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***Sonia Fornasier : LISTE DES
PUBLICATIONS/PUBLICATIONS LIST***

SONIA FORNASIER : LISTE DES PUBLICATIONS

Résumé	Depuis début de carrière	Dont ces 10 dernières années
Nombre de publications dans des revues à comité de lecture	295 (31 en 1 ^{er} auteur)	159
Nombre de publications dans des revues prestigieuses (Nature, Science, Nat. Astron. ...)	26	23
Nombre de publications dans d'autres revues scientifiques	35	34
Chapitres de livres	8	6
Nombre de conférences invitées	56	34

1.1. Chapitres de livres/Books chapters

- Küppers, M., Keller, H. U., **Fornasier, S.**, Gutierrez, P. J., Hviid, S. F., Jorda, L., Knollenberg, J., Lowry, S. C., Rengel, M., Observations of Comet 9P/Tempel 1 and Deep Impact by the OSIRIS Cameras onboard Rosetta, 2009. Deep Impact as a World Observatory Event : Synergies in Space, Time, and Wavelength, Eso Astrophysics Symposia. ISBN 978-3-540-76958-3. Springer Berlin Heidelberg, 2009, p. 29-39

- Barbieri C, **Fornasier S.**, Cremonese G., Bertini I., Fulle M., Magazzù A., 2004. Observations of the new Rosetta targets. In : "The New Rosetta Targets. Observations, Simulations and Instrument Performances. Edited by Luigi Colangeli , Elena Mazzotta Epifani , Pasquale Palumbo. Astrophysics and Space Science Library Volume 311. ISBN 1-4020-2572-6 (HB) , ISBN 1-4020-2573-4 (e-book). Published by Kluwer Academic Publishers, Dordrecht, 2004, p.53-61

- **Fornasier S.**, 2017. Seasonal and diurnal color and compositional variations of the 67P/Churyumov Gerasimenko nucleus. In *From Giotto to Rosetta, 30 years of cometary science.*

Edited by C. Barbieri and C.G. Smeda. EAN : 9788898216055. Published by The Galilean Academy of Science, Humanities and Arts, Univ. of Padova

- Mueller, T., Lellouch, E., **Fornasier S.**, 2019. Transneptunians objects and Centaurs at thermal wavelength. In *The Trans-Neptunian Solar System*, Edited by Dina Prialnik, Maria Antoinetta Barucci, Leslie Young. ISBN : 9780128164907. Elsevier, 2020., p.153-181

- Barucci M.A., Dalle Ore C., **Fornasier S.**, 2021. Kuiper Belt as the Context for Pluto. In the book : *Pluto after New Horizon*, Space Science Series book, University of Arizona Press, Tucson, Stern, S. A., Young, L. A., Moore, J. M., Grundy, W. M., Binzel, R. P., (Eds.), pp 21-52, doi :10.2458/azu_uapress_9780816540945-ch003

- Barucci M.A., **Fornasier, S.**, 2021. Kuiper Belt. Contribution pour *Encyclopedia of Astrobiology*, Gargaud, Amils, Cernicharo, Cleaves, Irvine, Pinti and Viso Eds. Springer-Verlag Berlin Heidelberg, part of Springer Nature 2022, DOI : 10.1007/978-3-642-27833-4_854-4

- Barucci M.A., **Fornasier, S.**, 2021. Trojans (Asteroids). Contribution pour *Encyclopedia of Astrobiology*, Gargaud, Amils, Cernicharo, Cleaves, Irvine, Pinti and Viso Eds., Springer-Verlag Berlin Heidelberg, part of Springer Nature 2022, DOI : 10.1007/978-3-642-27833-4_1615-2

- Filacchione, G., Ciarniello, M, **Fornasier, S.**, Raponi, A., 2023. COMET NUCLEI COMPOSITION AND EVOLUTION, for COMETS III book, Edited by Karen J. Meech et al. Space Science Series, University of Arizona Press, 2024, pp. 315-360

1.2. Publications dans des revues à comité de lecture/Publications in peer reviewed journals

1.2.1. En premier auteur/As first author

1. **Fornasier S.**, Lazzarin M., Barbieri C., Barucci M. A., 1999. Spectroscopic comparison of aqueous altered asteroids with CM2 carbonaceous chondrite meteorites. *Astronomy and Astrophysics S. S.*, 135, 65-73.
2. **Fornasier S.**, Lazzarin M., 2001. E-Type Asteroids : Spectroscopic Investigation on the 0.5 micron Absorption Band. *Icarus*, 152, 127-133.
3. **Fornasier S.**, Barucci M.A., Binzel R.P., Birlan M., Fulchignoni M., Barbieri C., Bus S.J., Harris A.W., Rivkin A.S., Lazzarin M., Dotto E., Michalowski T., Doressoundiram A., Bertini I., Peixinho N., 2003. A portrait of 4979 Otawara, target of the Rosetta Space Mission. *Astronomy and Astrophysics* , 398, 327-333
4. **Fornasier S.**, Doressoundiram A., Tozzi G.P., Barucci M.A., Boehnhardt H., de Bergh C., Delsanti A., Davies J., Dotto E., 2004. ESO Large Program on Physical Studies of Trans-Neptunian Objects and Centaurs : final results of the visible spectroscopic observations. *Astronomy and Astrophysics* , 421, 353-363.
5. **Fornasier S.**, Dotto E., Barucci M.A., Barbieri, C., 2004. Water ice on the surface of the large TNO 2004 DW, *Astronomy and Astrophysics* , 422, L43-L46.
6. **Fornasier S.**, Dotto E., Marzari F., Barucci M.A., Boehnhardt H., Hainaut O., de Bergh, C., 2004. Visible spectroscopic and photometric survey of L5 Trojans : investigation of dynamical families. *Icarus*, 172, 221-232
7. **Fornasier S.**, Belskaya I., Fulchignoni M., Barucci M. A., Barbieri C., 2006. First albedo determination of 2867 Steins, target of the Rosetta mission. *Astron. Astrophys*, 449, L9-L12

8. **Fornasier S.**, Belskaya I., Shkuratov Yu.G, Pernechele C., Barbieri C., Giro E., Navasardyan H., 2006. Polarimetric survey of asteroids with the Asiago telescope. *Astron. Astrophys*, 455, 371-377
9. **Fornasier S.**, Dotto E., Hainaut O., Marzari F., Boehnhardt H., De Luise F., Barucci M.A., 2007. Visible spectroscopic and photometric survey of Jupiter Trojans : final results on dynamical families. *Icarus*, 190, 622-642
10. **Fornasier, S.**, Marzari, F, Dotto, E., Barucci M.A., Migliorini, A., 2007. Are the E-type asteroids (2867) Steins, a target of the Rosetta mission, and NEA(3103) Eger remnants of an old asteroid family? *Astronomy and Astrophysics* 474, 29-32
11. **Fornasier, S.**, Migliorini, A., Dotto, E., Barucci M.A., 2008. Visible and near infrared spectroscopic survey of E-type asteroids, including 2867 Steins, a target of the Rosetta mission. *Icarus* 196, 119-134
12. **Fornasier S.**, Barucci A., De Bergh C. et al., 2009. Visible spectroscopy of the new ESO large programme on trans-Neptunian objects and Centaurs : final results. *Astronomy and Astrophysics* 508, 457-465
13. **Fornasier S.**, Clark B. E., Dotto E., Migliorini A., Ockert-Bell Maureen E., Barucci A., 2010. Spectroscopic survey of M-type asteroids. *Icarus* 210, pp. 655-673
14. **Fornasier S.**, Clark B. E., Dotto E., 2011a. Spectroscopic survey of X-type asteroids. *Icarus* 214, 131-146.
15. **Fornasier S.**, Mottola S., Barucci M. A., Sierks H., Hviik S., 2011b. Photometric observations of asteroid 4 Vesta by the OSIRIS cameras onboard the Rosetta spacecraft. *Astronomy and Astrophysics* 533, L9., 5 pp.
16. **Fornasier, S.**, Lellouch, E., Mueller, T., Santos-Sanz, P., Panuzzo, P., et al., 2013. TNOs are Cool : A survey of the trans-Neptunian region, VIII. Combined Herschel PACS and SPIRE observations of nine bright targets at 70-500 microns. *Astronomy and Astrophysics*, 555, A15, 22 pp.
17. **Fornasier, S.**, Lazzaro, D., Alvarez-Candal, A., Snodgrass, C., Tozzi, G. P., Carvano, J. M., Jiménez-Teja, Y., Silva, J. S., Bramich, D. M., 2014b. The Centaur 10199 Chariklo : investigation into rotational period, absolute magnitude, and cometary activity. *Astronomy and Astrophysics* 568, id.L11, 5 pp
18. **Fornasier, S.**, Lantz C., Barucci M.A., Lazzarin, M., 2014. Aqueous alteration on main belt asteroids : results from visible spectroscopy. *Icarus*, 233, 163-178.
19. **Fornasier, S.**, Belskaya, I. N., Perna, D., 2015. The potentially hazardous Asteroid (214869) 2007 PA8 : An unweathered L chondrite analog surface. *Icarus* 250, p. 280-286
20. **Fornasier S.**, Hasselmann P. H., Barucci M.A., Feller C., Besse S., Leyrat C., Lara L. M., Gutiérrez P. J., Oklay N., Tübianá C., Scholten F., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn M. F., Bertaux J.-L., Bertini I., Cremonese G., de Deppo V., Davidsson B., Debei S., de Cecco M., Fulle Marco, Groussin O., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kovács G., Kramm R., Kürt E., Küppers M., La Forgia F., Lazzarin M., López-Moreno J. J., Marzari F., Matz K.-D., Michalik H., Moreno F., Mottola S., Naletto G., Pajola M., Pommerol A., Preusker F., Shi X., Snodgrass C., Thomas N., Vincent J. B. Spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from the OSIRIS instrument onboard the ROSETTA spacecraft. *Astronomy and Astrophysics*, 2015, vol. 583, A30

21. **Fornasier S.**, Lantz, C., Perna, D., Campins, H., Barucci, M. A., Nesvorny, D., 2016, Spectral variability on primitive asteroids of the Themis and Beagle families : space weathering effects or parent body heterogeneity ? *Icarus* 269, 1-14
22. **Fornasier S.**, S. Mottola , H.U. Keller, M.A. Barucci, B. Davidsson , C.Feller, J.D.P. Deshapriya , H. Sierks, et al., 2016. Rosetta's comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. **Science** 354, pp. 1566-1570.
23. **Fornasier S.**, Feller, C., Lee, J.-C., Ferrari, S., Massironi, M., Hasselmann, P. H., Deshapriya, J. D. P., Barucci, M. A., El-Maarry, M. R., Giacomini, L., and 44 coauthors, 2017. The highly active Anhur-Bes regions in the 67P/Churyumov-Gerasimenko comet : results from OSIRIS/ROSETTA observations. *Monthly Notices of the Royal Astronomical Society*, Volume 469, S93-S107
24. **Fornasier, S.**, Hoang, V. H., Hasselmann, P. H., Feller, C., Barucci, M. A., Deshapriya, J. D. P., Sierks, H., Naletto, G., Lamy, P. L., Rodrigo, R., Koschny, D., Davidsson, B., Agarwal, J., Barbieri, C., Bertaux, J.-L., Bertini, I., Bodewits, D., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., Deller, J., Ferrari, S., Fulle, M., Gutierrez, P. J., Guttler, C., Ip, W.-H., Keller, H. U., Küppers, M., La Forgia, F., Lara, M. L., Lazzarin, M., Lin, Z-Y, Lopez Moreno, J. J., Marzari, F., Mottola, S., Pajola, M., Shi, X., Toth, I., Tubiana, C., 2019. Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 630, id.A7, 26 pp.
25. **Fornasier, S.**, Feller, C., Hasselmann, P.H., Barucci, M.A., Sunshine, J., et al. 2019. Surface evolution of the Anhur region on comet 67P/CG from high resolution OSIRIS images. *Astronomy and Astrophysics*, Volume 630, id.A13, 18 pp.
26. **Fornasier, S.**, Hasselmann, P. H., Deshapriya, J. D. P., Barucci, M. A., Clark, B. E., Praet, A., Hamilton, V. E., Simon, A., Li, J. -Y., Cloutis, E. A., Merlin, F., Zou, X.-D., Lauretta, D. S., 2020. Phase reddening on asteroid Bennu from visible and near-infrared spectroscopy. *Astronomy and Astrophysics*, Volume 644, id.A142, 15 pp.
27. **Fornasier, S.**, Bourdelle de Micas, J., Hasselmann, P. H., Hoang, H. V., Barucci, M.A., Sierks, H., 2021. The small lobe of comet 67P : characterization of the Wosret region with ROSETTA-OSIRIS. *Astronomy and Astrophysics* 653, id.A132, 14 pp
28. **Fornasier, S.**, Hoang, V. H., M. Fulle, E. Quirico, M. Ciarniello, 2023. Volatile exposures on the 67P/Churyumov-Gerasimenko nucleus. *Astronomy and Astrophysics*, *Astronomy and Astrophysics*, 672, id.A136, 18 pp.
29. **Fornasier, S.**, Wagnier, A. ; Hasselmann, P. H. ; Tirsch, D. ; Matz, K. -D. ; Doressoundiram, A. ; Gautier, T. ; Barucci, M. A., 2024. Phobos photometric properties from Mars Express HRSC observations. *Astronomy & Astrophysics*, Volume 686, id.A203, 19 pp.
30. **Fornasier, S.**, Dotto, E. ; Panuzzo, P. ; Delbo, M. ; Belskaya, I. ; Krugly, Y. ; Inasaridze, R. ; Barucci, M. A. ; Perna, D. ; Brucato, J. ; Birlan, M., 2024. Size, albedo, and rotational period of the Hayabusa2 target (98943) 2001 CC21. *Astronomy & Astrophysics*, Volume 688, id.L7, 7 pp.
31. **Fornasier, S.**, El-Bez-Sebastien, N., 2025. Jupiter Trojans spectrophotometry using Gaia DR3 catalog. *Astronomy & Astrophysics*, in press (<https://arxiv.org/pdf/2508.19872>)

1.2.2. Articles dans des revues prestigieuses/Articles published in prestigious journals

- **Fornasier S.**, S. Mottola , H.U. Keller, M.A. Barucci, B. Davidsson , C.Feller, J.D.P. Deshapriya , H. Sierks, et al., 2016. Rosetta's comet 67P/Churyumov-Gerasimenko sheds

its dusty mantle to reveal its icy nature. **Science** 354, pp. 1566-1570. (énuméré à l'item #22)

32. Koppers M., Bertini I., **Fornasier S.**, Gutierrez P., Hviid S., Jorda L., Keller H. U., Knollenberg J., Koschny D., Kramm R., Lara L. M., Sierks H., Thomas T., Barbieri C., Lamy P., Rickman H., Rodrigo R., 2005. Evidence for a Large Dust/Ice Ratio in the Nucleus of Comet 9P/Tempel 1. **Nature** 437, 987-990.
33. Keller, H. U., Barbieri, C., Koschny, D., Lamy, P., Rickman, H., Rodrigo, R., Sierks, H., A'Hearn, M. F., Angrilli, F., Barucci, M. A., Bertaux, J.-L., Cremonese, G., Da Deppo, V., Davidsson, B., De Cecco, M., Debei, S., **Fornasier, S.**, Fulle, M., Groussin, O., Gutierrez, P. J., Hviid, S. F., Ip, W.-H., Jorda, L., Knollenberg, J., Kramm, J. R., Kühr, E., Küppers, M., Lara, L.-M., Lazzarin, M., Moreno, J. Lopez, Marzari, F., Michalik, H., Naletto, G., Sabau, L., Thomas, N., Wenzel, K.-P., Bertini, I., Besse, S., Ferri, F., Kaasalainen, M., Lowry, S., Marchi, S., Mottola, S., Sabolo, W., Schröder, S. E., Spjuth, S., Vernazza, P., 2010. E-Type Asteroid (2867) Steins as Imaged by OSIRIS on Board Rosetta. **Science**, 2010, vol. 327, 190-193
34. Sierks H., Lamy P., Barbieri C.,...**Fornasier S.**, et al., 2011. Images of Asteroid 21 Lutetia : A Remnant Planetesimal from the Early Solar System. **Science** 334, 487
35. F. Capaccioni, A. Coradini, G. Filacchione, S. Erard, G. Arnold, ... **S. Fornasier**,... et 30 co-auteurs, 2015. The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. **Science** 347, no. 6220
36. Rotundi, A., Sierks, H., Della Corte, V., Fulle, M., P.J., Gutierrez,**S. Fornasier**,... et 55 co-auteurs, 2015. Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. **Science**, 347, no. 6220
37. Thomas, N., Sierks, H., Barbieri, C., Lamy, P., Rodrigo, R., Rickman, H., Koschny, D., Keller, H.U., Agarwal, J., A'Hearn, M., Angrilli, F., Auger, A.T., Barucci, M.A., Bertaux, J.L., Bertini, I., Besse, S., Bodewits, D., Cremonese, G., Da Deppo, V., Davidsson, B., De Cecco, M., Debei, S., El-Maarry, M., Ferri, F., **Fornasier, S.**,...et autre 34 auteurs, 2015. The morphological diversity of comet 67P/Churyumov-Gerasimenko. **Science**, 347, no. 6220
38. Sierks H., Barbieri C., Lamy L., Rodrigo R., Koschny D., Rickman H., Keller H.U., Agarwal J., A'Hearn M., Angrilli F., Auger A.T., Barucci M.A., Bertaux J.L., Bertini I., Besse S., Bodewits D., Capanna C., Cremonese G., Da Deppo V., Davidsson B., Debei S., De Cecco M., Ferri F., **Fornasier S.**, et autres 42 auteurs, 2015. On the nucleus structure and activity of comet 67P/Churyumov-Gerasimenko. **Science**, 347, no. 6220
39. de Sanctis M. C., Capaccioni F., Ciarniello M., Filacchione G., Formisano M., Mottola S., Raponi A., Tosi F., Bockelée-Morvan D., Erard S., Leyrat C., Schmitt B., Ammannito E., Arnold G., Barucci A., Combi M., Capria M. T., Cerroni P., Ip W.-H., Kuehrt E., McCord T. B., Palomba E., Beck P., Quirico E., Piccioni G., Bellucci G., Fulchignoni M., Jaumann R., Stephan K., Longobardo A., Mennella V., Migliorini A., Benkhoff J., Bibring J. P., Blanco A., Blecka M., Carlson R., Carsenty U., Colangeli L., Combes M., Crovisier J., Drossart P., Encrenaz T., Federico C., Fink U., Fonti S., Irwin P., Langevin Y., Magni G., Moroz L., Orofino V., Schade Ulrich, Taylor F., Tiphene D., Tozzi G. P., Biver N., Bonal L., Combe J.-P., Despan D., Flamini E., **Fornasier S.**, Frigeri A., Grassi D., Gudipati M. S., Mancarella F., Markus K., Merlin F., Orosei R., Rinaldi G., Cartacci M., Cicchetti A., Giuppi S., Hello Yann, Henry F., Jacquino D., Reess J.-M., Noschese R., Poli R.,

- Peter G. The diurnal cycle of water ice on comet 67P/Churyumov-Gerasimenko. **Nature**, 2015, vol. 525, pp. 500-503.
40. Vincent J. B., Bodewits D., Besse S., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn M. F., Auger Anne-Therese, Barucci M.A., Bertaux J. L., Bertini I., Capanna C., Cremonese G., da Deppo V., Davidsson B., J. R., Debei S., de Cecco M., El-Maarry M. R., Ferri F., **Fornasier S.**, Fulle M., Gaskell R. W., Giacomini L., Groussin O., Guilbert-Lepoutre Aurélie, Gutiérrez-Marques P., Gutiérrez P. J., Güttler C., Hoekzema Nick, Höfner S., Hviid S. F., Ip W. H., Jorda L., Knollenberg Jörg, Kovács G., Kramm J. R., Kürt Ekkehard, Küppers M., La Forgia F., Lara L. M., Lazzarin M., Lee Vicky, Leyrat Cédric, Lin Z.-Y., López-Moreno J. J., Lowry S., Magrin S., Maquet Lucie, Marchi S., Marzari F., Massironi M., Michalik H., Moissl R., Mottola S., Naletto G., Oklay N., Pajola M., Preusker F., Scholten F., Thomas N., Toth I., Tubiana C. Large heterogeneities in comet 67P as revealed by active pits from sinkhole collapse. **Nature**, 2015, vol. 523, pp. 63-66.
 41. Massironi M., Simioni E., Marzari F., Cremonese G., Giacomini L., Pajola M., Jorda L., Naletto G., Lowry S. C., El-Maarry R., Preusker F., Scholten F., Sierks H., Barbieri C., Lamy Ph., Rodrigo R., Koschny D., Rickman H., Keller H.U., A'Hearn M. F., Agarwal J., Auger Anne-T., Barucci A., Bertaux J.-L., Bertini I., Besse S., Bodewits D., Capanna C., Da Deppo V., Davidsson B. J. R., Debei S., De Cecco M., Ferri F., **Fornasier S.**, et al., Two independent and primitive envelopes of the bilobate nucleus of comet 67P. **Nature**, 2015, vol. 526, pp. 402-405.
 42. G. Filacchione, A. Raponi, F. Capaccioni, M. Ciarniello, F. Tosi, M. T. Capria, M. C. De Sanctis, A. Migliorini, G. Piccioni, P. Cerroni, M. A. Barucci, **S. Fornasier**, B. Schmitt, et al., 2016. Seasonal exposure of carbon dioxide ice on the nucleus of comet 67P/Churyumov-Gerasimenko. **Science**, 2016, vol. 354, pp. 1563-1566.
 43. Filacchione G., de Sanctis M.C., Capaccioni F., Raponi A., Tosi F., Ciarniello M., Cerroni P., Piccioni G., Capria M. T., Palomba E., Bellucci G., Erard S., Bockelée-Morvan D., Leyrat C., Arnold G., Barucci A., Fulchignoni M., Schmitt B., Quirico E., Jaumann R., Stephan K., Longobardo A., Mennella V., Migliorini A., Ammannito E., Benkhoff J., Bibring J.-P., Blanco A., Blecka M. I., Carlson R., Carsenty U., Colangeli L., Combes M., Combi M., Crovisier J., Drossart P., Encrenaz T., Federico C., Fink U., Fonti S., Ip Wing-H., Irwin P., Kuehrt E., Langevin Y., Magni G., McCord T. B., Moroz L., Mottola S., Orofino V., Schade U., Taylor F W., Tiphene D., Tozzi G. P., Beck P., Biver N., Bonal L., Combe J.-Ph., Despan D., Flamini E., Formisano M., **Fornasier S.**, Frigeri A., Grassi D., Gudipati M. S., Kappel D., Mancarella F., Markus K., Merlin F., Orosei R., Rinaldi G., Cartacci M., Cicchetti A., Giuppi S., Hello Y, Henry F., Jacquino D., Reess J.-M., Noschese R., Politi R., Peter G., 2016. Exposed water ice on the nucleus of comet 67P/Churyumov-Gerasimenko. **Nature**, 2016, vol. 529, pp. 368-372.
 44. Pajola, M., Höfner, S., Vincent, J. B., Oklay, N., Scholten, F., Preusker, F., Mottola, S., Naletto, G., **Fornasier S.**, Lowry, and 54 colleagues 2017. The pristine interior of comet 67P revealed by the combined Aswan outburst and cliff collapse. **Nature Astronomy** 1, 0092.
 45. El-Maarry, M.R., M. Ramy, Groussin, O., Thomas, N., Pajola, M., Auger, A.-T., Davidsson, B., Hu, X., Hviid, S. F., Knollenberg, J., Güttler, C , Tubiana, C, **Fornasier, S.**, and 46 colleagues 2017. Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. **Science** 355, 1392-1395.

46. Shi, X., Hu, X., Mottola, S., Sierks, H., Keller, H. U., Rose, M., Güttler, C., Fulle, M., **Fornasier, S.**, Agarwal, J., Pajola, M., Tubiana, C., Bodewits, D., Barbieri, C., Lamy, P. L., Rodrigo, R., Koschny, D., Barucci, M. A., Bertaux, J.-L., Bertini, I., Boudreault, S., Cremonese, G., Da Deppo, V., Davidsson, B., Debei, S., De Cecco, M., Deller, J., Groussin, O., Gutiérrez, P. J., Hviid, S. F., Ip, W.-H., Jorda, L., Knollenberg, J., Kovacs, G., Kramm, J.-R., Kührt, E., Küppers, M., Lara, L. M., Lazzarin, M., Lopez-Moreno, J. J., Marzari, F., Naletto, G., Olay, N., Toth, I., Vincent, J.-B., 2018. Coma morphology of comet 67P controlled by insolation over irregular nucleus. **Nature Astronomy**, Volume 2, p. 562-567
47. Matonti, C., Attree, N., Groussin, O.,.....**Fornasier, S.**, et al., 2019. Bilobate comet morphology and internal structure controlled by shear deformation. **Nature Geoscience**, Volume 12, Issue 3, p.157-162
48. Hamilton, V., Simon, A., Christensen, C., Reuter, D., Clark, B., Barucci, M.A., Bowles, N., Boynton, W., Brucato, J., Cloutis, E., Connolly, H., Donaldson H, Emery, J., Enos, H., **Fornasier, S.**, Hanna, H., Howell, E., Kaplan, H., Keller, L., Lantz, C., Li, J.-Y., Lim, L., McCoy, T., Merlin, F., Nolan, M., Praet, A., Rozitis, B., Sandford, S., Schrader, S., Thomas, C., Zou, X.-D., Lauretta, D., and the OSIRIS-REx Team, 2019. Evidence for widespread hydrated minerals on asteroid (101955) Bennu. **Nature Astronomy** 3, p. 332-340
49. Barnouin, O. S., Daly, M. G., Palmer, E. E., Gaskell, R. W., Weirich, J. R.,**Fornasier, S.** and other 488 authors, 2019. Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. **Nature Geoscience** 12, Issue 4, p.247-252
50. Hergenrother, C. W., Maleszewski, C. K., Nolan, M. C., Li, J. -Y., Drouet D'Aubigny, C. Y., Shelly, F. C., Howell, E. S., Kareta, T. R., Izawa, M. R. M., Barucci, M. A., Bierhaus, E. B., Campins, H., Chesley, S. R., Clark, B. E., Christensen, E. J., Dellagiustina, D. N., **Fornasier, S.**, Golish, D. R., Hartzell, C. M., Rizk, B., Scheeres, D. J., Smith, P. H., Zou, X. -D., Lauretta, D. S., OSIRIS-REx Team, 2019. The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. **Nature Communications**, Volume 10, id. 1291
51. Della Giustina, D. N., Emery, J. P., Golish, D. R., Rozitis, B., Bennett, C. A., Burke, K. N., Ballouz, R. -L., Becker, K. J., Christensen, P. R., Drouet D'Aubigny, C. Y., Hamilton, V. E., Reuter, D. C., Rizk, B., Simon, A. A., Asphaug, E., Bandfield, J. L., Barnouin, O. S., Barucci, M. A., Bierhaus, E. B., Binzel, R. P., Bottke, W. F., Bowles, N. E., Campins, H., Clark, B. C., Clark, B. E., Connolly, H. C., Daly, M. G., Leon, J. De, Delbó, M., Deshapriya, J. D. P., Elder, C. M., **Fornasier, S.**, Hergenrother, C. W., Howell, E. S., Jawin, E. R., Kaplan, H. H., Kareta, T. R., Le Corre, L., Li, J. -Y., Licandro, J., Lim, L. F., Michel, P., Molaro, J., Nolan, M. C., Pajola, M., Popescu, M., Garcia, J. L. Rios, Ryan, A., Schwartz, S. R., Shultz, N., Siegler, M. A., Smith, P. H., Tatsumi, E., Thomas, C. A., Walsh, K. J., Wolner, C. W. V., Zou, X. -D., Lauretta, D. S., Osiris-Rex Team, 2019. Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. **Nature Astronomy** 3, p. 341-351
52. Walsh, K. J. search by orcid; Jawin, E. R.; Ballouz, R. -L.,, **Fornasier, S.** et al., 2019. Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. **Nature Geoscience** 12, pp. 242-246
53. Raponi, A., Ciarniello, M., Capaccioni, F., Mennella, V., Vinogradoff, V., Poch, O., Beck, P., Quirico, E., De Sanctis, M. C., Moroz, L. V., Kappel, D., Erard, S., Bockelée-Morvan,

- D., Longobardo, A., Tosi, F., Palomba, E., Combe, J.-P., Rousseau, B., Arnold, G., Carlson, R. W., Pommerol, A., Pilorget, C., **Fornasier, S.**, Bellucci, G., Barucci, A., Mancarella, F., Formisano, M., Rinaldi, G., Istiqomah, I., Leyrat, C., 2020. Infrared detection of aliphatic organics on a cometary nucleus. **Nature Astronomy** 4, p. 500-505
54. DellaGiustina, D. N., Burke, K. N., Walsh, K. J., Smith, P. H., Golish, D. R., Bierhaus, E. B., Ballouz, R. -L., Becker, T. L., Campins, H., Tatsumi, E., Yumoto, K., Sugita, S., Deshapriya, J. D. Prasanna, Cloutis, E. A., Clark, B. E., Hendrix, A. R., Sen, A., Al Asad, M. M., Daly, M. G., Applin, D. M. Avdellidou, C., Barucci, M. A., Becker, K. J., Bennett, C. A., Bottke, W. F., Brodbeck, J. I., Connolly, H. C., Delbo, M., de Leon, J., Drouet d'Aubigny, C. Y., Edmundson, K. L., **Fornasier, S.**, Hamilton, V. E., Hasselmann, P. H., Hergenrother, C. W., Howell, E. S., Jawin, E. R., Kaplan, H. H., Le Corre, L., Lim, L. F., Li, J. Y., Michel, P., Molaro, J. L., Nolan, M. C., Nolau, J., Pajola, M., Parkinson, A., Popescu, M., Porter, N. A., Rizk, B., Rizos, J. L., Ryan, A. J., Rozitis, B., Shultz, N. K., Simon, A. A., Trang, D., Van Auken, R. B., Wolner, C. W. V., Lauretta, D. S., 2020. Variations in color and reflectance on the surface of asteroid (101955) Bennu. **Science** 370, Issue 6517, id. eabc3660.
55. O'Rourke, L., Heinisch, P., Blum, J., **Fornasier, S.**, Filacchione, G. Van Hoang, H., Ciarniello, M., Raponi, A., Gundlach, B., Blasco, R.A., Grieger, B., Glassmeier, K-H., Küppers, M., Rotundi, A. Groussin, O., Bockelée-Morvan, D., Auster, H-U., Oklay, N., Paar, G., Perucha, M. del Pilar Caballo, 2020. **Nature** 586, Issue 7831, p. 697-701
56. DellaGiustina, D. N., Kaplan, H. H., Simon, A. A., Bottke, W. F., Avdellidou, C., Delbo, M., Ballouz, R. -L., Golish, D. R., Walsh, K. J., Popescu, M., Campins, H., Barucci, M. A., Poggiali, G., Daly, R. T., Le Corre, L., Hamilton, V. E., Porter, N., Jawin, E. R., McCoy, T. J., Connolly, H. C. Garcia, J. L. Rizos, Tatsumi, E., de Leon, J., Licandro, J., **Fornasier, S.**, Daly, M. G., Al Asad, M. M., Philpott, L., Seabrook, J., Barnouin, O. S., Clark, B. E., Nolan, M. C., Howell, E. S., Binzel, R. P., Rizk, B., Reuter, D. C., Lauretta, D. S., 2021. Exogenic basalt on asteroid (101955) Bennu. **Nature Astronomy** 5, p. 31-38
57. Ciarniello, M., Fulle, M., Raponi, A., Filacchione, G., Capaccioni, F., Totundi, A., Rinaldi, G., Formisano, M., Magni, G., Tosi, F., De Sanctis, M.A., Capria, M.T., Longobardo, A., Beck, P., **Fornasier, S.**, Kappel, D., Mennella, V., Mottola, S., Rousseau, B., Arnold, G., 2022. Macro and micro structures of pebble-made cometary nuclei reconciled by seasonal evolution. *Nature Astronomy*, 6, p. 546-553

1.2.3. Articles des étudiants encadrés/co-encadrés en thèse/ Articles in peer-review journals from supervised PhD students

Les noms des étudiants encadrés/co-encadrés sont surlignées. Je liste ici que les articles relatifs au travail de thèse en premier auteur des doctorant.e.s.

58. Demeo F., **Fornasier S.**, Barucci A., Perna D., et al. 2009. Visible and near-infrared colors of Transneptunian objects and Centaurs from the second ESO large program. *Astronomy and Astrophysics* 493, 283-290
59. Perna D., Dotto E., Barucci A., Rossi A., **Fornasier S.**, De Bergh C., 2009. Rotations and densities of trans-Neptunian objects. *Astronomy and Astrophysics* 508, 451-455
60. Dotto E., Perna D., **Fornasier S.**, Belskaya I., Barucci A., Shevchenko V. G., Krugly Yu. N., Gaftonyuk N. M., Tereschenko I. A., Scipioni F., De Luise F., 2009. Photometric and

- spectroscopic investigation of 2867 Steins, target of the Rosetta mission. Ground-based results prior to the Rosetta fly-by. *Astronomy and Astrophysics* 494, L29-L32
61. De Luise F., Perna D., Dotto E., **Fornasier S.**, Belskaya I., Boattini A., Valsecchi G. B., Milani A., Rossi A., Lazzarin M., Paolicchi P., Fulchignoni M., 2007. Physical investigation of the potentially hazardous Asteroid (144898) 2004 VD17. *Icarus* 191, 628-635.
 62. Demeo F., Barucci A., Merlin F., Guilbert-Lepoutre A., Alvarez-Candal A., Delsanti A., **Fornasier S.**, De Bergh Catherine., 2010. A spectroscopic analysis of Jupiter-coupled object (52872) Okyrhoe, and TNOs (90482) Orcus and (73480) 2002 PN34 . *Astronomy and Astrophysics* 521, 35
 63. Perna D., Barucci A., **Fornasier S.**, et al., 2010. Colors and taxonomy of Centaurs and trans-Neptunian objects. *Astronomy and Astrophysics* 510, A53.
 64. Deshapriya J. D. P., Barucci M. A., **Fornasier S.**, Feller C., Hasselmann P. H., Sierks H., et al., 2016. Spectrophotometry of the Khonsu region on the comet 67P/Churyumov-Gerasimenko using OSIRIS instrument images. *Monthly Notices of the Royal Astronomical Society*, 462, S274
 65. Feller C., **Fornasier S.**, Hasselmann P.H., et al., 2016. Decimetre-scaled spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. *Monthly Notices of the Royal Astronomical Society*, 2016, vol. 462, pp. S287-S303.
 66. Lantz, C., Brunetto R., Barucci M.A., **Fornasier S.**, Baklouti, D., Borcois, J., Godard, M., 2017. Ion irradiation of carbonaceous chondrites : new view of space weathering on primitive asteroids. *Icarus*, Icarus 2017, Volume 285, p. 43-57
 67. P.H. Hasselmann, M.A. Barucci, **S. Fornasier**, C. Leyrat, J.M. Carvano, D. Lazzaro, H. Sierks, 2016. Asteroid (21) Lutetia : Disk-resolved photometric analysis of Baetica region. *Icarus* 267, 135-153
 68. Deshapriya, J. D. P., Barucci, M. A., **Fornasier S.**, Hasselmann, P. H., Feller C., Sierks, H., Lucchetti, A., Pajola, M., Oklay, N., Mottola, S., Masoumzadeh, N., Tubiana, C., Güttler, C., Barbieri, C., Lamy, P. L., Rodrigo, R., Koschny, D., Rickman, H., Bertaux, J.-L., Bertini, I., Bodewits, D., Boudreault, S., Cremonese, G., Da Deppo, V., Davidsson, B. J. R., Debei, S., Cecco, M. De, Deller, J., Fulle, M., Groussin, O., Gutierrez, P. J., Hoang, H. V., Hviid, S. F., Ip, W., Jorda, L., Keller, H. U., Knollenberg, J., Kramm, R., Kühr, E., Küppers, M., Lara, L., Lazzarin, M., Lopez Moreno, J. J., Marzari, F., Naletto, G., Preusker, F., Shi, X., Thomas, N., Vincent, J.-B., 2018. Exposed bright features on the comet 67P/Churyumov-Gerasimenko : distribution and evolution. *Astron. Astroph.* 613, id.A36, 14 pp.
 69. Hoang, Hong V., **Fornasier S.**, Quirico, E., Hasselmann, P. H., Barucci, M. A., Sierks, H., Tubiana, C., Güttler, C., 2020. Spectrophotometric characterization of the Philae landing site and surroundings with the Rosetta/OSIRIS cameras. *Monthly Notices of the Royal Astronomical Society* 498, Issue 1, pp.1221-1238
 70. Bourdelle de Micas, J., **Fornasier S.** Avdellidou, C., Delbo, M., van Belle, G., Ochner, P., Grundy, W., Moskovitz, N., 2022. Composition of inner main-belt planetesimals. *Astron. Astroph.* 665, id.A83, 23 pp.
 71. Wargnier A., Poggiali, G., Doressoundiram, A., Gautier, T., Beck, P., Buch, A., Ruscassier, N., **Fornasier S.**, Barucci, M. A, 2023. Development of a new Phobos spectral simulant : spectral properties from visible to the mid-infrared range. *MNRAS* 3, pp.3809-3820

1.2.4. Articles à comité de lecture (en ordre chronologique)/Articles in peer-review journals (chronological order)

72. Doressoundiram A., Weissman P. R., Fulchignoni M., Barucci M. A., Le Bras A., Colas F., Lecacheux J., Birlan M., Lazzarin M., **Fornasier S.**, Dotto E., Barbieri C., Sykes M. V., Larson S., Hergenrother C., 1999. 4979 Otawara : Flyby target of the Rosetta mission. *Astronomy and Astrophysics* , 352, 697-702.
73. Barbieri C., **Fornasier S.**, Lazzarin M., Marchi S., Rampazzi F., Verani S., Cremonese G., Ragazzoni R., Dolci M., Benn C. R., Mendillo M., Baumgardner J., Chakrabarti S., Wilson J., 2001. Lunam 2000 (Lunar Atmosphere Mission). *Earth, Moon, and Planets*, 85, 487-495
74. Lazzarin M., **Fornasier S.**, Barucci M. A., Birlan M., 2001. Groundbased investigation of asteroid 9969 Braille, target of the spacecraft mission Deep Space 1. *Astronomy and Astrophysics L.*, 375, 281-285.
75. Barucci M. A., Boehnhardt H., Dotto E., Doressoundiram A., Romon J., Lazzarin M., **Fornasier S.**, de Bergh C., Tozzi G. P., Delsanti A., Hainaut O., Barrera L., Birkle K., Meech K., Ortiz J. L., Sekiguchi T., Thomas N., Watanabe J., West R. M., Davies J. K., 2002. Visible and near-infrared spectroscopy of the Centaur 32532 (2001 PT13). ESO Large Program on TNOs and Centaurs : First spectroscopy results. *Astronomy and Astrophysics* , 392, 335-339.
76. Doressoundiram A., Peixinho N., de Bergh C., **Fornasier S.**, Thebault P., Barucci M. A., Veillet C., 2002. The Color Distribution in the Edgeworth-Kuiper Belt. *Astron. Journal*, 124, 2279-2296.
77. Doressoundiram A., Tozzi G.P., Barucci M.A., Boehnhardt H., **Fornasier S.**, Romon J., 2003. ESO Large Program on TNOs and Centaurs : Spectroscopic investigation of Centaur 2001 B141 and transneptunian objects (26181) 1996 GQ21 and (26375) 1999 DE9. *Astronomical Journal*, 125, 2721-2727.
78. Boehnhardt H., Barucci M. A., Delsanti A., de Bergh C., Doressoundiram A., Romon J., Dotto E., Tozzi G. P., Lazzarin M., **Fornasier S.**, Peixinho N., Hainaut O., Davies J. K., Rousselot P., Barrera L., Birkle K., Meech K., Ortiz J. L., Sekiguchi T., Watanabe J., Thomas N., West R. M., 2003. Results from the Eso Large Program on Transneptunian Objects and Centaurs, *Earth Moon and Planets*, 92, 145-156.
79. Birlan M., Barucci M. A., Vernazza P., Fulchignoni M., Binzel R. P., Bus S. J., Belskaya I., **Fornasier S.**, 2004. Near-IR spectroscopy of asteroids 21 Lutetia, 89 Julia, 140 Siwa, 2181 Fogelin, and 5480 (1989 YK8), potential targets for the Rosetta mission, remote observing campaign on IRTF. *New Astronomy*, 9, 343-351.
80. De Bergh C., Boehnhardt H., Barucci M. A., Lazzarin M., **Fornasier S.**, Romon-Martin J., Tozzi G.P., Doressoundiram A., Dotto E., 2004. Aqueous altered silicates at the surface of two Plutinos ?, *Astronomy and Astrophysics* , 416, 791-798.
81. Binzel R. P., Bus S. J., Harris A. W., Rivkin A. S., **Fornasier S.**, 2004. Spectral Observation for Near-Earth Objects including potential target 4660 Nereus : Results from Meudon Remote observations at the NASA Infrared Telescope Facility (IRTF). *Planetary and Space Science*, 52, 291-296.
82. Cremonese G., Capria M. T., Achilli V., Angrilli F., Baggio P., Barbieri C., Baumgardner J., Bistacchi N., Capaccioni F., Caporali A., Casanova I., Debei S., Forlani G., **Fornasier S.**, Hunten D., Ip W. H., Lazzarin M., Longhi I., Marinangeli L., Marzari F., Massironi M.,

- Masson P., Mendillo M., Pain B., Preti G., Ragazzoni R., Raitala J., Salemi G., Sgavetti M., Sprague A., Suetta E., Tordi M., Verani S., Wilson J. K., Wilson L., 2004. MEMORIS : a wide angle camera for the BepiColombo mission, *Advances in Space Research*, 33, 2182-2188.
83. Barucci M. A., Fulchignoni M., **Fornasier S.**, Dotto E., Vernazza P., Birlan M., Binzel R. P., Carvano J., Merlin F., Barbieri C., Belskaya I., 2005. Asteroid target selection for the new Rosetta mission baseline : 21 Lutetia and 2867 Steins. *Astronomy and Astrophysics* , 430, 313-317.
84. Barucci M. A., Cruikshank D. P., Dotto E., Merlin F., Poulet F., Dalle Ore C., **Fornasier S.**, de Bergh, C., 2005. Is Sedna another Triton ? *Astronomy and Astrophysics* , 439, L1-L4.
85. Belskaya I.N., Shkuratov Yu. G, Efimov Yu. S, Shakhovskoy N. M., Gil-Hutton R., Cellino A., Zubko E. S., Ovcharenko A. A., Bondarenko S. Yu., Shevchenko V. G., **Fornasier S.**, Barbieri C., 2005. The F-type asteroids with small inversion angles of polarization. *Icarus*, 178, 213-221
86. Dotto E., **Fornasier S.**, Barucci M.A., et al., 2006. The surface composition of Jupiter Trojans : Visible and near-infrared survey of dynamical families. *Icarus*, 183, 420-434.
87. Vernazza Pierre, Birlan Mirel, Rossi A., Dotto E., Nesvorny D., Brunetto R., **Fornasier S.**, Fulchignoni M., Renner S., 2006. Physical characterization of the Karin family. *Astronomy and Astrophysics*, 2006, vol. 460, pp. 945-951
88. Doressoundiram A., Peixinho, N., Moullet Arielle, **Fornasier S.**, Barucci A., Beuzit J.-L., Veillet C. ,2007. The Meudon Multicolor Survey (2MS) of Centaurs and Trans-Neptunian Objects : From Visible to Infrared Colors. *Astronomical Journal*, 134. 2186-2199.
89. Barbieri C., Dravins D., Occhipinti T., Tamburini F., Naletto G., Deppo V. Da, **Fornasier S.**, D’Onofrio M., Fosbury R. A. E., Nilsson R., Uthas H., 2007. Astronomical applications of quantum optics for extremely large telescopes. *Journal of Modern Optics*. 54, 191-197.
90. Forbrich J., Preibisch Th., Menten K. M., Neuhauser R., Walter F. M., Tamura M., Matsunaga N., Kusakabe N., Nakajima Y., Brandeker A., **Fornasier S.**, Posselt B., Tachihara K., Broeg C., 2007. Simultaneous X-ray, radio, near-infrared, and optical monitoring of young stellar objects in the Coronet cluster. *Astronomy and Astrophysics*. 464, 1003-1013.
91. Keller H. U., Barbieri C., Lamy P., ..., **Fornasier S.**, et al., 2007. OSIRIS The Scientific Camera System Onboard Rosetta. *Space Science Reviews*. 128, 433-506.
92. Keller H.U., Küppers M., **Fornasier S.**, Gutiérrez P. J., et al., 2007. Observations of Comet 9P/Tempel 1 around the Deep Impact event by the OSIRIS cameras onboard Rosetta. *Icarus*. 191, 241-257.
93. Keller H.U., Küppers M., **Fornasier S.**, Gutiérrez P. J., et al., 2007. Observations of Comet 9P/Tempel 1 around the Deep Impact event by the OSIRIS cameras onboard Rosetta. *Icarus*. 2007. vol. 187, 87-103.
94. Küppers M., Mottola S., Lowry S. C., A’Hearn Michael F., Barbieri C., Barucci A., **Fornasier S.**, Groussin O., Gutiérrez P., Hviid S. F., Keller H. U., Lamy P., 2007. Determination of the light curve of the Rosetta target asteroid (2867) Steins by the OSIRIS cameras onboard Rosetta. *Astronomy and Astrophysics* 462, L13-L16.
95. Barucci A., **Fornasier S.**, Dotto E., et al., 2008. Asteroids 2867 Steins and 21 Lutetia : surface composition from far infrared observations with the Spitzer space telescope. *Astronomy and Astrophysics* 477, 665-670

96. Belskaya I., Bagnulo S., Muinonen K., Barucci A., Tozzi G. P., **Fornasier S.**, Kolokolova L., 2008. Polarimetry of the dwarf planet (136199) Eris. *Astronomy and Astrophysics* 479, 265-269
97. Alvarez-Candal A., **Fornasier S.**, Barucci A., De Bergh C., Merlin F., 2008. Visible spectroscopy of the new ESO large program on trans-Neptunian objects and Centaurs. Part 1. *Astronomy and Astrophysics* 487, 741-748
98. Bagnulo S., Belskaya I., Muinonen K., Tozzi G. P., Barucci A., Kolokolova L., **Fornasier S.**, 2008. Discovery of two distinct polarimetric behaviours of trans-Neptunian objects. *Astron. and Astrop.*, 2008, vol. 491, L33-L36
99. Carvano J. M., Barucci A., Delbó M., **Fornasier S.**, et al. 2008. Surface properties of Rosetta's targets (21) Lutétia and (2867) Steins from ESO observations. *Astronomy and Astrophysics* 479, 241-248
100. Dotto E., Perna D., Barucci A., Rossi A., De Bergh C., Doressoundiram A., **Fornasier S.**, 2008. Rotational properties of Centaurs and Trans-Neptunian Objects. Lightcurves and densities. *Astronomy and Astrophysics* 490, 829-833
101. Jorda L., Lamy P. L., Faury G., Weissman P., Barucci A., **Fornasier S.**, Lowry S., Toth I., Küppers M., 2008. Asteroid 2867 Steins. I. Photometric properties from OSIRIS/Rosetta and ground-based visible observations. *Astronomy and Astrophysics* 487, 1171-1178.
102. Lamy P. L., Jorda L., **Fornasier S.**, et al., 2008. Asteroid 2867 Steins. III. Spitzer Space Telescope observations, size determination, and thermal properties. *Astronomy and Astrophysics* 487, 1187-1193
103. Lamy P. L., Kaasalainen M., Lowry S., Weissman, .., **Fornasier S.**, et al., 2008. Asteroid 2867 Steins. II. Multi-telescope visible observations, shape reconstruction, and rotational state. *Astronomy and Astrophysics* 487, 1179-1185
104. Belskaya I., **Fornasier S.**, Krugly Yu. N., 2009. Polarimetry and BVRI photometry of the potentially hazardous near-Earth Asteroid (23187) 2000 PN9 . *Icarus* 201, 167-171
105. De Bergh C., Barucci A., Merlin F., **Fornasier S.**, Doressoundiram A., Brunetto R., 2009. Carbonaceous Compounds at the Surface of Transneptunian Objects and Centaurs. *Met. and Planetary Sci. Supp.* 72, 5102
106. Guilbert A., Barucci A., Brunetto R., Delsanti A., Merlin F., Alvarez-Candal A., **Fornasier S.**, De Bergh C., Sarid G., 2009. A portrait of Centaur 10199 Chariklo. *Astronomy and Astrophysics* 501, 777-784
107. Merlin F., Alvarez-Candal A., Delsanti A., **Fornasier S.**, Barucci A., Demeo F., De Bergh C., Doressoundiram A., Quirico E., Schmitt B., 2009. Stratification of Methane Ice on Eris' Surface. *Astronomical J.* 137, 315-328
108. Müller, T. G., Lellouch E., Bönhardt, H., .., **Fornasier S.**, et al., 2009. TNOs are Cool : A Survey of the Transneptunian Region. *Earth Moon and Planets* 105, 209-219
109. Naletto G., Barbieri C., Occhipinti T., .., **Fornasier S.**, et al., 2009. Iqueye, a single photon-counting photometer applied to the ESO new technology telescope. *Astronomy and Astrophysics* 508, 531-539
110. Protopapa S., Alvarez-Candal A., Barucci A., Tozzi G. P., **Fornasier S.**, Delsanti A., Merlin F., 2009. ESO large program about transneptunian objects : surface variations on (47171) 1999 TC36. *Astronomy and Astrophysics* 501, 375-380

111. Belskaya I., Bagnulo S., Barucci A., Muinonen K., Tozzi G. P., **Fornasier S.**, Kolokolova L., 2010. Polarimetry of Centaurs (2060) Chiron, (5145) Pholus and (10199) Chariklo. *Icarus* 210, 472-479,
112. Belskaya I., **Fornasier S.**, Krugly Yu. N., Shevchenko V. G., Gaftonyuk N. M., Barucci A., Fulchignoni M., Gil-Hutton R., 2010. Puzzling asteroid 21 Lutetia : our knowledge prior to the Rosetta fly-by. *Astronomy and Astrophysics* 515, 29-37
113. Carry B., KaasA.en M., Leyrat C, .., **Fornasier S.**, et al., 2010. Physical properties of the ESA Rosetta target asteroid (21) Lutétia. II. Shape and flyby geometry. *Astronomy and Astrophysics* 523, 9
114. Merlin F., Barucci A., De Bergh Catherine, **Fornasier S.**, Doressoundiram A., Perna D., Protopapa S., 2010. Surface composition and physical properties of several trans-neptunian objects from the Hapke scattering theory and Shkuratov model. *Icarus* 208, 945-954
115. Perna D., Dotto E., Lazzarin M., Magrin S., Fulchignoni M., Barucci A., **Fornasier S.**, Marchi S., Barbieri C., 2010. Inhomogeneities on the surface of 21 Lutétia, the asteroid target of the Rosetta mission. Ground-based results before the Rosetta fly-by. *Astronomy and Astrophysics*, 513, L4
116. Alvarez-Candal A., Barucci A., Merlin F., De Bergh Catherine, **Fornasier S.**, Guilbert A., Protopapa S., 2010. The trans-Neptunian object (42355) Typhon : composition and dynamical evolution. *Astronomy and Astrophysics* 511, 35
117. Clark B. E., Ziffer J., Campins H., Rivkin, .., **Fornasier S.**, et al, 2010. Spectroscopy of B-type asteroids : Subgroups and meteorite analogs. *Journal of Geophysical Research (Planets)* 115, 06005
118. De Luise F., Dotto E., **Fornasier S.**, Barucci A., Pinilla-Alonso N., Perna D., Marzari F., 2010. A peculiar family of Jupiter Trojans : The Eurybates. *Icarus* 209, 586-590
119. Lamy P. L., Groussin O., **Fornasier S.**, Jorda L., Kaasalainen M., Barucci A., 2010. Thermal properties of asteroid 21 Lutétia from Spitzer Space Telescope observations. *Astronomy and Astrophysics* 516, A74, 10 pp.
120. Leyrat C., **Fornasier S.**, Barucci A., et al., 2010. Search for Steins' surface inhomogeneities from OSIRIS Rosetta images. *Planetary and Space Science* 58, 1097-1106
121. Lellouch E., Kiss C., Santos-Sanz P., Müller T. G., **Fornasier S.**, et al., 2010. "TNOs are cool" : A survey of the trans-Neptunian region. II. The thermal lightcurve of (136108) Haumea. *Astronomy and Astrophysics* 518, L147, 5 pp.
122. Lim T. L., Stansberry J., Müller T. G., .., **Fornasier S.**, et al., 2010. "TNOs are Cool" : A survey of the trans-Neptunian region . III. Thermophysical properties of 90482 Orcus and 136472 Makemake. *Astronomy and Astrophysics* 518, L148, 5 pp.
123. Müller T. G., Lellouch E., Stansberry J., .., **Fornasier S.**, et al., 2010. "TNOs are Cool" : A survey of the trans-Neptunian region. I. Results from the Herschel science demonstration phase (SDP). *Astronomy and Astrophysics* 518, L146, 5 pp.
124. Ockert-Bell M. E., Clark B. E., Shepard M. K., Isaacs R. A., Cloutis E. A., **Fornasier S.**, Bus S. J., 2010. The composition of M-type asteroids : Synthesis of spectroscopic and radar observations. *Icarus* 210, 674-692.
125. Shestopalov D. I., Golubeva L. F., McFadden L. A., **Fornasier S.**, Taran M. N., 2010. Titanium-bearing pyroxenes of some E asteroids : Coexisting of igneous and hydrated rocks. *Plan. and Space Sci.* 58, 1400-1403

126. Groussin O., Lamy P., **Fornasier S.**, Jorda L., 2011. The properties of asteroid (2867) Steins from Spitzer Space Telescope observations and OSIRIS shape reconstruction. *Astronomy and Astrophysics* 529, A73, 8 pp.
127. Barucci M. A., Alvarez-Candal A., Merlin F., Belskaya I. N., de Bergh C., Perna D., DeMeo F., **Fornasier S.**, 2011. New insights on ices in Centaur and Transneptunian populations. *Icarus* 214, 297–307.
128. Barucci, M. A., Merlin, F., Perna, D., Alvarez-Candal, A., Müller, T., Mommert, M., Kiss, C., **Fornasier, S.**, Santos-Sanz, P., Dotto, E., 2012. The extra red plutino (55638) 2002 VE95. *Astronomy & Astrophysics*, Volume 539, A152, 5 pp.
129. Leyrat C., Barucci M.A., Mueller T., O'Rourke L., Valtchatov I., **Fornasier S.**, 2012. Thermal properties of (4) Vesta derived from Herschel measurements. *Astronomy and Astrophysics*, 539, id.A154, 5 pp.
130. Santos-Sanz, P., Lellouch, E., **Fornasier S.**, Kiss, C., Pal, A., et al., 2012. "TNOs are Cool" : A survey of the trans-Neptunian region. IV. Size/albedo characterization of 15 scattered disk and detached objects observed with Herschel-PACS. *Astronomy and Astrophysics* 541, id.A92, 18 pp.
131. Mommert, M., Harris, A. W., Kiss, C., Pal, A., Santos-Sanz, P., Stansberry, J., Delsanti, A., Vilenius, E., Müller, T. G., Peixinho, N., Lellouch, E., Szalai, N., Henry, F., Duffard, R., **Fornasier S.**, Hartogh, P., Mueller, M., Ortiz, J. L., Protopapa, S., Rengel, M., Thirouin, A., 2012, 'TNOs are cool' : A survey of the trans-Neptunian region. V. Physical characterization of 18 Plutinos using Herschel PACS observations. *Astronomy and Astrophysics* 541, id.A93, 17 pp
132. Vilenius, E., Kiss, C., Mommert, M., Müller, T., Santos-Sanz, P., Pal, A., Stansberry, J., Mueller, M., Peixinho, N., **Fornasier S.**, Lellouch, E., et other 12 authors, 2012, 'TNOs are cool' : A survey of the trans-Neptunian region. VI. Herschel/PACS observations and thermal modelling of 19 classical Kuiper Belt objects. *Astronomy and Astrophysics* 541, id.A94, 17 pp.
133. Thomas, N., Barbieri, C., Keller, H. U., Lamy, P., Rickman, H., Rodrigo, R., Sierks, H., Wenzel, K. P., Cremonese, G., Jorda, L., Küppers, M., Marchi, S., Marzari, F., Massironi, M., Preusker, F., Scholten, F., Stephan, K., Barucci, M. A., Besse, S., El-Maarry, M. R., **Fornasier S.**, Groussin, O., Hviid, S. F., Koschny, D., Kührt, E., Martellato, E., Moissl, R., Snodgrass, C., Tubiana, C., Vincent, J.-B., 2012, The geomorphology of (21) Lutetia : Results from the OSIRIS imaging system onboard ESA's Rosetta spacecraft. *Planetary and Space Science*, Volume 66, Issue 1, p. 96-124
134. Barucci, M. A., Belskaya, I. N., **Fornasier S.**, Fulchignoni, M., Clark, B. E., Coradini, A., Capaccioni, F., Dotto, E., Birlan, M., Leyrat, C., Sierks, H., Thomas, N., Vincent, J. B., 2012. Overview of Lutetia's surface composition. *Planetary and Space Science* 66, 23-30
135. Belskaya, I. N., Bagnulo, S., Stinson, A., Tozzi, G. P., Muinonen, K., Shkuratov, Yu. G., Barucci, M. A., **Fornasier S.**, 2012. Polarimetry of trans-Neptunian objects (136472) Makemake and (90482) Orcus. *Astronomy and Astrophysics* 547, id.A101, 5 pp.
136. Perna, D., Dotto, E., Barucci, M. A., Mazzotta Epifani, E., Vilenius, E., Dall'Ora, M., **Fornasier S.**, Müller, T. G., 2013. Photometry and taxonomy of trans-Neptunian objects and Centaurs in support of a Herschel key program. *Astronomy and Astrophysics*, 554, A49, 9 pp
137. Perna, D., Dotto, E., Barucci, M. A., **Fornasier, S.**, Alvarez-Candal, A., Gourgéot, F., Brucato, J. R., Rossi, A. 2013. Ultraviolet to near-infrared spectroscopy of the potentially

hazardous, low delta-V asteroid (175706) 1996 FG3. Backup target of the sample return mission MarcoPolo-R. *Astronomy & Astrophysics*, Volume 555, id.A62, 5 pp.

138. Lellouch E., Santos-Sanz, P., Lacerda, P., Mommert, M., Duffard, R., Ortiz, J. L., Müller, T. G., **Fornasier S.**, Stansberry, J., et al., 2013. "TNOs are Cool" : A survey of the trans-Neptunian region. IX. Thermal properties of Kuiper belt objects and Centaurs from combined Herschel and Spitzer observations, *Astronomy and Astrophysics*, 557 A60

2014

139. Trigo-Rodríguez, J. M., Moyano-Camero, C. E., Llorca, J., **Fornasier S.** Barucci, M. A., Belskaya, I., Martins, Z. Rivkin, A. S., Dotto, E. Madieto, J. M., Jacinto, A., 2014. UV to far-IR reflectance spectra of carbonaceous chondrites - I. Implications for remote characterization of dark primitive asteroids targeted by sample-return missions. *Monthly Notices of the Royal Astronomical Society*, 437, 227-240.
140. Duffard, R., Pinilla-Alonso, N., Santos-Sanz, P., Vilenius, E., Ortiz, J. L., Mueller, Th., **Fornasier S.**, Lellouch, E., Mommert, M., Pal, A., Kiss, C., Mueller, M., Stansberry, J., Delsanti, A., Peixinho, N., Trilling, D., 2013. TNOs are Cool : A Survey of the Transneptunian Region : A Herschel-PACSview of 16 Centaurs. *Astronomy and Astrophysics*, 564, id.A92, 17 pp.
141. Vilenius, E., Kiss, C., Mueller, T., Mommert, M., Santos-Sanz, P., Pal, A., Stansberry, J., Mueller, M., Peixinho, N., Lellouch, E., **Fornasier S.**, Delsanti, A., Thirouin, A., Ortiz, J. L., Duffard, R., Perna, D., Henry, F., 2014. "TNOs are Cool" : A survey of the trans-Neptunian region. X. Analysis of classical Kuiper belt objects from Herschel and Spitzer observations. *Astronomy and Astrophysics* 564, id.A35, 18 pp
142. Perna, D., Alvarez-Candal, A., **Fornasier S.**, Kanuchová, Z., Giuliatti Winter, S. M., Vieira Neto, E., Winter, O. C., 2014. The triple near-Earth asteroid (153591) 2001 SN263 : an ultra-blue, primitive target for the Aster space mission. *Astronomy and Astrophysics* 568, id.L6, 4 pp.
143. Neeley, J. R., Clark, B. E., Ockert-Bell, M. E., Shepard, M. K., Conklin, J., Cloutis, E. A., **Fornasier S.**, Bus, S. J., 2014. The composition of M-type asteroids II : Synthesis of spectroscopic and radar observations. *Icarus*, 238, p. 37-50
144. Ieva, S., Dotto, E., Perna, D., Barucci, M. A., Bernardi, F., **Fornasier S.**, De Luise, F., Perozzi, E., Rossi, A., Brucato, J. R. 2014. Low delta-V near-Earth asteroids : A survey of suitable targets for space missions. *Astronomy and Astrophysics* 569, id.A59, 9 pp
145. Lacerda, P., **Fornasier S.**, Lellouch, E. et al., 2014. "TNOs Are Cool" : A survey of the transneptunian region. XII. The albedo-color diversity of transneptunian objects. *ApJ letter*, 793, L2, 6 pp.
146. Mottola, S., Lowry, Snodgrass, **Fornasier S.**, et al., 2014. The rotation state of 67P/Churyumov-Gerasimenko from approach observations with the OSIRIS cameras on Rosetta. *Astronomy and Astrophysics* 569, id.L2, 5 pp.

2015

147. C. Tubiana, C. Snodgrass, I. Bertini, S. Mottola, J.-B. Vincent, L. Lara, **S. Fornasier**, J. Knollenberg, et al. 2015. 67P/Churyumov-Gerasimenko : Activity between March and

- June 2014 as observed from Rosetta/OSIRIS. *Astronomy and Astrophysics* 573, id.A62, 11 pp
148. Auger A.T., Groussin O., Jorda L., Bouley S., Gaskell R., Lamy P. L., Capanna C., Thomas N., Pommerol A., Sierks H., Barbieri C., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn Michael F., Barucci M.A., Bertaux J.-L., Bertini I., Cremonese G., da Deppo V., Davidsson B. J. R., Debei S., de Cecco M., El-Maarry M. R., **Fornasier S.**, Fulle M., Gutiérrez P. J., Güttler C., Hviid S., Ip W.-H., Knollenberg J., Kramm J. R., Kührt E., Küppers M., La Forgia F., Lara L., Lazzarin M., Lopez Moreno J. J., Marchi S., Marzari F., Massironi M., Michalik H., Naletto G., Oklay N., Pajola M., Sabau L., Tubiana C., Vincent J. B., Wenzel Klaus-P. 2015. Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. *Astronomy and Astrophysics*, 2015, vol. 583, A35.
 149. Bertini I., Gutiérrez P. J., Lara L. M., Marzari F., Moreno F., Pajola M., La Forgia F., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn Michael F., Barucci M.A., Bertaux J. L., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., Ferri F., **Fornasier S.**, Fulle M., Giacomini L., Groussin O., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kramm J. R., Kührt E., Küppers M., Lazzarin M., Lopez-Moreno J.J., Magrin S., Massironi M., Michalik H., Mottola S., Naletto G., Oklay N., Thomas N., Tubiana C., Vincent J. B. Search for satellites near comet 67P/Churyumov-Gerasimenko using Rosetta/OSIRIS images. *Astronomy and Astrophysics*, 2015, vol. 583, A19
 150. Ciarniello M., Capaccioni F., Filacchione G., Raponi A., Tosi F., Desanctis M. C., Capria M. T., Erard Stéphane, Bockelée-Morvan Dominique, Leyrat C., Arnold G., Barucci M.A., Beck P., Bellucci G., **Fornasier S.**, Longobardo A., Mottola S., Palomba E., Quirico E., Schmitt B. Photometric properties of comet 67P/Churyumov-Gerasimenko from VIRTIS-M onboard Rosetta. *Astronomy and Astrophysics*, 2015, vol. 583, A31
 151. Davidsson B. J. R., Gutiérrez P. J., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H.U., Agarwal J., A'Hearn M. F., Barucci M.A., Bertaux J. L., Bertini I., Bodewits D., Cremonese G., da Deppo V., Debei S., de Cecco M., **Fornasier S.**, Fulle M., Groussin O., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kovács G., Kramm J. R., Kührt E., Küppers M., La Forgia F., Lara L. M., Lazzarin M., López-Moreno J. J., Lowry S., Magrin S., Marzari F., Michalik H., Moissl-Fraund R., Naletto G., Oklay N., Pajola M., Snodgrass C., Thomas N., Tubiana C., Vincent J. B. Orbital elements of the material surrounding comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A16
 152. El-Maarry M. R., Thomas N., Giacomini L., Massironi M., Pajola M., Marschall R., Gracia-Berná A., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Rickman H., Koschny D., Keller H. U., Agarwal J., A'Hearn M. F., Auger Anne-Therese, Barucci M.A., Bertaux J.-L., Bertini Ivano, Besse S., Bodewits D., Cremonese G., da Deppo V., Davidsson B., de Cecco M., Debei S., Güttler C., **Fornasier S.**, Fulle Marco, Groussin O., Gutiérrez P. J., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kovács G., Kramm J. R., Kührt E., Küppers M., La Forgia F., Lara L. M., Lazzarin M., Lopez Moreno J. J., Marchi S., Marzari F., Michalik H., Naletto G., Oklay N., Pommerol A., Preusker F., Scholten F., Tubiana C., Vincent J. B. Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images. *Astronomy and Astrophysics*, 2015, vol. 583, A26
 153. El-Maarry M. R., Thomas N., Gracia-Berná A., Marschall R., Auger A.-T., Groussin

- O., Mottola S., Pajola M., Massironi M., Marchi S., Höfner S., Preusker F., Scholten F., Jorda L., Kührt E., Keller H.U., Sierks H., A'Hearn M. F., Barbieri C., Barucci M.A., Bertaux J.-L., Bertini I., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., Deller J., Güttler C., **Fornasier S.**, Fulle M., Gutiérrez P. J., Hofmann M., Hviid S. F., Ip W. H., Knollenberg J., Koschny D., Kovács G., Kramm J. R., Küppers M., Lamy P. L., Lara L. M., Lazzarin M., Lopez Moreno J. J., Marzari F., Michalik H., Naletto G., Oklay N., Pommerol A., Rickman H., Rodrigo R., Tubiana C., Vincent J. B. Fractures on comet 67P/Churyumov-Gerasimenko observed by Rosetta/OSIRIS. *Geophysical Research Letters*, 2015, vol. 42, pp. 5170-5178.
154. Fulle M., Ivanovski S. L., Bertini I., Gutierrez P., Lara L., Sierks H., Zakharov V., Della Corte V., Rotundi A., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn M. F., Barucci M.A., Bertaux J.-L., Bodewits D., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., **Fornasier S.**, Groussin O., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kramm R., Kührt E., Küppers M., Lazzarin M., López-Moreno J. J., Marzari F., Michalik H., Naletto G., Oklay N., Sabau L., Thomas N., Tubiana C., Vincent J. B., Wenzel K.-P. Rotating dust particles in the coma of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A14.
155. Groussin O., Jorda L., Auger A.-T., Kührt E., Gaskell R. W., Capanna C., Scholten F., Preusker F., Lamy P. L., Hviid S. F., Knollenberg J., Keller H. U., Huettig C., Sierks H., Barbieri C., Rodrigo R., Koschny D., Rickman H., A'Hearn M. F., Agarwal J., Barucci M.A., Bertaux J. L., Bertini I., Boudreault S., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., El-Maarry M. R., **Fornasier S.**, Fulle M., Gutiérrez P. J., Güttler C., Ip W.-H., Kramm J. R., Küppers M., Lazzarin M., Lara L. M., Lopez Moreno J. J., Marchi S., Marzari F., Massironi M., Michalik H., Naletto G., Oklay N., Pommerol A., Pajola M., Thomas N., Toth I., Tubiana C., Vincent J. B. Gravitational slopes, geomorphology, and material strengths of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations. *Astronomy and Astrophysics*, 2015, vol. 583, A32.
156. Groussin O., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., A'Hearn Michael F., Auger Anne-Therese, Barucci M.A., Bertaux J. L., Bertini I., Besse S., Cremonese G., da Deppo V., Davidsson B., Debei Stefano, de Cecco M., El-Maarry M. R., **Fornasier S.**, Fulle M., Gutiérrez P. J., Güttler C., Hviid S., Ip W.-H., Jorda L., Knollenberg J., Kovács G., Kramm J. R., Kührt E., Küppers M., Lara L. M., Lazzarin M., López-Moreno J. J., Lowry S., Marchi S., Marzari F., Massironi M., Mottola S., Naletto G., Oklay N., Pajola M., Pommerol A., Thomas N., Toth I., Tubiana C., Vincent J. B. Temporal morphological changes in the Imhotep region of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A36
157. Keller H. U., Mottola S., Davidsson B., Schröder S. E., Skorov Y., Kührt E., Groussin O., Pajola M., Hviid S. F., Preusker F., Scholten F., A'Hearn M. F., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Barucci M.A., Bertaux J.-L., Bertini I., Cremonese G., da Deppo V., Debei S., de Cecco M., **Fornasier S.**, Fulle M., Gutiérrez P. J., Ip W.-H., Jorda L., Knollenberg J., Kramm J. R., Küppers M., Lara L. M., Lazzarin M., López-Moreno J. J., Marzari F., Michalik H., Naletto G., Sabau L., Thomas N., Vincent J.-B., Wenzel K.-P., Agarwal J., Güttler C., Oklay N., Tubiana C. Insolation, erosion, and morphology of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A34
158. La Forgia F., Giacomini L., Lazzarin M., Massironi M., Oklay N., Scholten F., Pajola

- M., Bertini I., Cremonese G., Barbieri C., Naletto G., Simioni E., Preusker F., Thomas N., Sierks H., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., Auger A.-T., A'Hearn M. F., Barucci M.A., Bertaux J. L., Besse S., Bodewits D., da Deppo V., Davidsson B., Debei S., de Cecco M., El-Maarry M. R., Ferri F., **Fornasier S.**, Fulle M., Groussin O., Gutiérrez P. J., Güttler C., Hall I., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kramm J. R., Kührt E., Küppers M., Lara L. M., López-Moreno J. J., Magrin S., Marzari F., Michalik H., Mottola S., Pommerol A., Tubiana C., Vincent J. B. Geomorphology and spectrophotometry of Philae's landing site on comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A41
159. Lara L. M., Lowry S., Vincent J. B., Gutiérrez P. J., Rozek A., La Forgia F., Oklay N., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., Auger A.-T., A'Hearn M. F., Barucci M.A., Bertaux J. L., Bertini I., Besse S., Bodewits D., Cremonese G., Davidsson B., da Deppo V., Debei S., de Cecco M., El-Maarry M. R., Ferri F., **Fornasier S.**, Fulle M., Groussin O., Gutiérrez-Marques P., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kovács G., Kramm J. R., Kührt E., Küppers M., Lazzarin M., Lin Z.-Y., López-Moreno J. J., Magrin S., Marzari F., Michalik H., Moissl-Fraund R., Moreno F., Mottola S., Naletto G., Pajola M., Pommerol A., Thomas N., Sabau M. D., Tubiana C. Large-scale dust jets in the coma of 67P/Churyumov-Gerasimenko as seen by the OSIRIS instrument onboard Rosetta. *Astronomy and Astrophysics*, 2015, vol. 583, A9.
160. Lin Z.-Y., Ip Wing-H., Lai I.-L., Lee J.-C., Vincent J. B., Lara L. M., Bodewits D., Sierks H., Barbieri C., Lamy P. L., Rodrigo Rafael, Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn M. F., Barucci M.A., Bertaux J.-L., Bertini I., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., **Fornasier S.**, Fulle M., Groussin O., Gutiérrez P. J., Güttler C., Hviid S. F., Jorda L., Knollenberg J., Kovács G., Kramm J. R., Kührt E., Küppers M., La Forgia F., Lazzarin M., López-Moreno J. J., Lowry S., Marzari F., Michalik H., Mottola S., Naletto G., Oklay N., Pajola M., Rozek A., Thomas N., Liao Y., Tubiana C. Morphology and dynamics of the jets of comet 67P/Churyumov-Gerasimenko : Early-phase development. *Astronomy and Astrophysics*, 2015, vol. 583, A11
161. Oklay N., Vincent J. B., Sierks H., Besse S., Pajola M., Bertini I., Rickman H., La Forgia F., Barucci A. M., **Fornasier S.**, Barbieri C., Koschny D., Lamy P. L., Rodrigo R., Agarwal J., A'Hearn M. F., Bertaux J. L., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., Fulle M., Groussin O., Gutiérrez P. J., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Keller H. U., Knollenberg J., Kramm J. R., Kührt E., Küppers M., Lara L. M., Lazzarin M., Lopez Moreno J. J., Marzari F., Michalik H., Naletto G., Thomas N., Tubiana C. Characterization of OSIRIS NAC filters for the interpretation of multispectral data of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A45
162. Pajola M., Vincent J.-B., Güttler C., Lee J.-C., Bertini I., Massironi M., Simioni E., Marzari F., Giacomini L., Lucchetti Alice, Barbieri C., Cremonese G., Naletto G., Pommerol A., El-Maarry M. R., Besse S., Küppers M., La Forgia F., Lazzarin M., Thomas N., Auger Anne-Therese, Sierks H., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn M. F., Barucci M.A., Bertaux J. L., da Deppo V., Davidsson Björn J. R., de Cecco Mariolino, Debei S., Ferri F., **Fornasier S.**, Fulle M., Groussin O., Gutiérrez P. J., Hviid S. F., Ip W.-H., Jorda L., Knollenberg Jörg, Kramm J. R., Kürt Ekkehard, Lara L. M., Lin Z.-Y., López-Moreno J. J., Magrin S., Marchi S., Michalik H., Moissl R.,

- Mottola S., Oklay N., Preusker F., Scholten F., Tubiana C. Size-frequency distribution of boulders ≥ 7 m on comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A37.
163. Pommerol A., Thomas N., El-Maarry M. R., Pajola M., Groussin O., Auger A.-T., Oklay N., **Fornasier S.**, Feller C., Davidsson B., Gracia-Berná A., Jost B., Marschall R., Poch O., Barucci M.A., Bertaux J.-L., La Forgia F., Keller H.U., Kührt E., Lowry S. C., Mottola S., Naletto G., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Agarwal J., A'Hearn M. F., Bertini I., Boudreault S., Cremonese G., da Deppo V., de Cecco M., Debei S., Güttler C., Fulle M., Gutiérrez P. J., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kovács G., Kramm J. R., Küppers M., Lara L. M., Lazzarin M., Lopez Moreno J. L., Marzari F., Michalik H., Preusker F., Scholten F., Tubiana C., Vincent J.-B. OSIRIS observations of meter-sized exposures of H₂O ice at the surface of 67P/Churyumov-Gerasimenko and interpretation using laboratory experiments. *Astronomy and Astrophysics*, 2015, vol. 583, A25
 164. Preusker F., Scholten F., Matz K.-D., Roatsch T., Willner K., Hviid S. F., Knollenberg J., Jorda L., Gutiérrez P. J., Kührt E., Mottola S., A'Hearn M. F., Thomas N., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., Barucci M.A., Bertaux J.-L., Bertini I., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., **Fornasier S.**, Fulle Marco, Groussin O., Güttler C., Ip W.-H., Kramm J. R., Küppers M., Lara L. M., Lazzarin M., López-Moreno J. J., Marzari F., Michalik H., Naletto G., Oklay N., Tubiana C., Vincent J. B. Shape model, reference system definition, and cartographic mapping standards for comet 67P/Churyumov-Gerasimenko - Stereophotogrammetric analysis of Rosetta/OSIRIS image data. *Astronomy and Astrophysics*, 2015, vol. 583, A33.
 165. Rickman Hans, Marchi S., A'Hearn M. F., Barbieri C., El-Maarry M. R., Güttler C., Ip W.-H., Keller H. U., Lamy P. L., Marzari F., Massironi M., Naletto G., Pajola M., Sierks H., Koschny D., Rodrigo R., Barucci M.A., Bertaux J. L., Bertini I., Cremonese G., da Deppo V., Debei S., de Cecco M., **Fornasier S.**, Fulle M., Groussin O., Gutiérrez P. J., Hviid S. F., Jorda L., Knollenberg J., Kramm J. R., Kührt E., Küppers M., Lara L. M., Lazzarin M., López-Moreno J. J., Michalik H., Sabau L., Thomas N., Vincent J.-B., Wenzel K.-P. Comet 67P/Churyumov-Gerasimenko : Constraints on its origin from OSIRIS observations. *Astronomy and Astrophysics*, 2015, vol. 583, A44.
 166. Thomas N., Davidsson B., El-Maarry M. R., **Fornasier S.**, Giacomini L., Gracia-Berná A. G., Hviid S. F., Ip W.-H., Jorda L., Keller H. U., Knollenberg J., Kührt E., La Forgia F., Lai I.-L., Liao Y., Marschall R., Massironi M., Mottola S., Pajola M., Poch O., Pommerol A., Preusker F., Scholten F., Su C. C., Wu J. S., Vincent J. B., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., A'Hearn M. F., Barucci M.A., Bertaux J.-L., Bertini I., Cremonese G., da Deppo V., Debei S., de Cecco M., Fulle M., Groussin O., Gutiérrez P. J., Kramm J. R., Küppers M., Lara L. M., Lazzarin M., Lopez Moreno J. J., Marzari F., Michalik H., Naletto G., Agarwal J., Güttler C., Oklay N., Tubiana C. Redistribution of particles across the nucleus of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, 2015, vol. 583, A17
 167. Tubiana C., Güttler C., Kovács G., Bertini I., Bodewits D., **Fornasier S.**, Lara L. M., La Forgia F., Magrin S., Pajola M., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A'Hearn M. F., Barucci M.A., Bertaux J.-L., Besse S., Boudreault S., Cremonese G., da Deppo V., Davidsson B., Debei S., de Cecco M., El-Maarry M. R., Fulle M., Groussin O., Gutiérrez-Marques P., Gutiérrez P. J., Hoekzema

N., Hofmann M., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kramm J. R., Kührt E., Küppers M., Lazzarin M., López-Moreno J. J., Marzari F., Massironi M., Michalik H., Moissl R., Naletto G., Oklay N., Scholten F., Shi X., Thomas N., Vincent J. B. Scientific assessment of the quality of OSIRIS images. *Astronomy and Astrophysics*, 2015, vol. 583, A46

168. Magrin S., La Forgia F., Da Deppo V., Lazzarin M., Bertini I., Ferri F., Pajola M., Barbieri Mauro, Naletto G., Barbieri C., Tubiana C., Küppers M., **Fornasier S.**, Jorda L., Sierks H. Pre-hibernation performances of the OSIRIS cameras onboard the Rosetta spacecraft. *Astronomy and Astrophysics*, 2015, vol. 574, pp. 123.

2016

169. Agarwal J., A'Hearn M. F., Vincent J. B., Güttler C., Höfner S., Sierks H., Tubiana C., Barbieri C., Lamy P., Rodrigo R., Koschny D., Rickman H., Barucci M. A., Bertaux J.-L., Bertini I., Boudreault S., Cremonese G., Da Deppo V., Davidsson B., Debei S., De Cecco M., Deller J., **Fornasier S.**, Fulle M., et al., 2016. Acceleration of Individual, Decimetre-sized Aggregates in the Lower Coma of Comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society*, 462, issue Suppl 1, pp. S78-S88
170. Barucci M. Antonella, Filacchione G., **Fornasier S.**, Raponi A., Deshapriya J. D. P., Tosi F., Feller C., Ciarniello M., Sierks H., Capaccioni F., et al., 2016 Detection of exposed H₂O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. as observed by Rosetta OSIRIS and VIRTIS instruments. *Astronomy and Astrophysics*, 2016, vol. 595, id.A102, 13 pp
171. Bodewits D., Lara Luisa M., A'Hearn M. F., La Forgia F., Gicquel A., ..., **Fornasier S.**, et al., 2016. Changes in the Physical Environment of the Inner Coma of 67P/Churyumov-Gerasimenko with Decreasing Heliocentric Distance. *The Astronomical Journal*, 2016, vol. 152, id. 130, 15 pp
172. Cremonese G., Simioni E., Ragazzoni R., Bertini I., La Forgia F., Pajola M., Oklay N., **Fornasier S.**, Lazzarin M., Lucchetti A., Sierks H., et al., 2016. Photometry of dust grains of comet 67P and connection with nucleus regions. *Astronomy and Astrophysics*, vol. 588, id.A59, 8 pp
173. Davidsson B. J. R., Sierks H., Güttler C., Marzari F., Pajola M., Rickman H., A'Hearn M. F., Auger A.-T., El-Maarry M. R., **Fornasier S.**, Feller C., et al., 2016. The primordial nucleus of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, vol. 592, A63, 30 pp
174. El-Maarry R. , Thomas N., Gracia-Berná A., Pajola M., Lee J.-C., ...**Fornasier S.**, et al., 2016. Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images : The southern hemisphere. *Astronomy and Astrophysics*, vol. 593, A110
175. Filacchione G., Capaccioni F., Ciarniello M., Raponi A., Tosi F., De Sanctis M. C., Erard S., Bockelée-Morvan D., Leyrat C., Arnold G., Schmitt B., Quirico Éric, Piccioni G., Migliorini A., Capria M. T., Palomba E., Cerroni P., Longobardo A., Barucci M. Antonella, **Fornasier S.**, Carlson Robert W., Jaumann R., Stephan K., Moroz L. V., Kappel D., Rousseau B., Fonti S., Mancarella F., Despan D., Faure M., 2016. The global surface composition of 67P/CG nucleus by Rosetta/VIRTIS. (I) Prelanding mission phase. *Icarus*, 2016, vol. 274, pp. 334-349.

176. Fulle M., Marzari Francesco, Della Corte V., **Fornasier S.**, Sierks H., Rotundi A., et al., 2016. Evolution of the Dust Size Distribution of Comet 67P/Churyumov-Gerasimenko from 2.2 au to Perihelion. *The Astrophysical Journal*, vol. 821, article id. 19, 14 pp.
177. Giacomini, L., Massironi, M., El-Maarry, M. R., ..., **Fornasier S.**, and 50 colleagues, 2016. Geologic mapping of the Comet 67P/Churyumov-Gerasimenko's Northern hemisphere. *Monthly Notices of the Royal Astronomical Society*, 2016. vol. 462, issue Suppl 1, pp. S352-367
178. Gicquel A., Vincent J.-B., Agarwal J., A'Hearn M. F., Bertini, ..., **S. Fornasier**, et al., 2016. Sublimation of icy aggregates in the coma of comet 67P/Churyumov-Gerasimenko detected with the OSIRIS cameras onboard Rosetta.. *Monthly Notices of the Royal Astronomical Society*, 2016. vol. 462, issue Suppl 1, pp. S78-S88
179. Grün E., Agarwal J., Altobelli N., Altwegg Kathrin, Bentley M. S., ..., **Fornasier S.**, et al., 2016. The 19 Feb. 2016 Outburst of Comet 67P/CG : An ESA Rosetta Multi-Instrument Study. *Monthly Notices of the Royal Astronomical Society*, 462, 220
180. Gutierrez Pedro J., Jorda Laurent, Gaskell R., Davidsson B. J. R., Capanna C., ..., **Fornasier S.**, et al., 2016. Possible interpretation of the precession of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* vol. 590, id.A46, 15 pp
181. Ip W., Lai I.-L., Lee J.-C., Cheng Y.-C., Li Y., Lin Zhong-Yi, ..., **Fornasier S.**, et al., 2016. . Physical properties and dynamical relation of the circular depressions on comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, vol. 591, id.A132, 10 pp.
182. Jorda Laurent, Gaskell R., Capanna C., Hviid S., Lamy Philippe, Durech J., ..., **Fornasier S.**, et al., 2016. The global shape, density and rotation of Comet 67P/Churyumov-Gerasimenko from preperihelion Rosetta/OSIRIS observations. *Icarus*, vol. 277, pp. 257-278.
183. Lellouch E., Santos-Sanz P., **Fornasier S.**, Lim T., Stansberry J., Vilenius E., Kiss C., Müller T., Marton G., Protopapa Silvia, Panuzzo P., Moreno Raphaël., 2016. The long-wavelength thermal emission of the Pluto-Charon system from Herschel observations. Evidence for emissivity effects. *Astronomy and Astrophysics*, vol. 588, id.A2, 15 pp
184. Lin Zhong-Yi, Lai I.-L., Su C. C., Ip W., Lee J.-C., Wu J. S., Vincent Jean-B., ..., **Fornasier S.**, et al., 2016. Observations and analysis of a curved jet in the coma of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, vol. 588, id.L3, 5 pp
185. Lucchetti A., Cremonese G., Jorda L., Poulet F., Bibring J.-P., Pajola M., ..., **Fornasier S.**, et al., 2016. Characterization of the Abydos region through OSIRIS high-resolution images in support of CIVA measurements. *Astronomy and Astrophysics*, vol. 585, id.L1, 5 pp
186. Moreno, F., Snodgrass, C., Hainaut, O., Tubiana, C., Sierks, H., ..., **Fornasier S.**, et al., 2016. The dust environment of comet 67P/Churyumov-Gerasimenko from Rosetta OSIRIS and VLT observations in the 4.5 to 2.9 AU heliocentric distance range inbound. *Astronomy & Astrophysics*, Volume 587, id.A155, 12 pp.
187. Moyano-Cambero, C. E., Trigo-Rodriguez, J. M., Llorca, J., **Fornasier S.**, Barucci, M. A., Rimola, A., 2016. A plausible link between the asteroid 21 Lutetia and CH carbonaceous chondrites. *Meteoritics & Planetary Science* 51, Issue 10, pp. 1795-1812
188. Oklay, N., Vincent, J.-B., **Fornasier S.**, Pajola, M., Besse, S., Davidsson, B. J. R., Lara, L. M., Mottola, S., Naletto, G., Sierks, H., et 42 auteurs, 2016. Variegation of comet 67P/Churyumov-Gerasimenko in regions showing activity, *Astronomy & Astrophysics*, Volume 586, id.A80, 18 pp.

189. Oklay, N., Sunshine, J. M., Pajola, M., Pommerol, A., Vincent, J.-B., Mottola, S., Sierks, H., **Fornasier S.**, Barucci, M. A., Preusker, F., and 41 coauthors, 2016. Comparative study of water ice exposures on cometary nuclei using multispectral imaging data. *Monthly Notices of the Royal Astronomical Society*, Volume 462, Issue Suppl.1, p.S394-S414
190. Pajola M., Lucchetti Alice, Vincent Jean-Baptiste, Oklay N., El-Maarry, .., **Fornasier S.**, 2016. The southern hemisphere of 67P/Churyumov-Gerasimenko : Analysis of the preperihelion size-frequency distribution of boulders ≥ 7 m. *Astronomy and Astrophysics* vol. 592, id.L2, 5 pp
191. Pajola M., Oklay N., La Forgia Fiorangela, Giacomini Lorenza, Massironi M., ..., **Fornasier S.**, 2016. Aswan site on comet 67P/Churyumov-Gerasimenko : Morphology, boulder evolution, and spectrophotometry. *Astronomy and Astrophysics*, vol. 592, id.A69, 17 pp
192. Pajola, M., Mottola, S., Hamm, M., ..., **Fornasier S.**, and 56 colleagues, 2016. The Agilkia boulders/pebbles size-frequency distributions : OSIRIS and ROLIS joint observations of 67P surface. *Monthly Notices of the Royal Astronomical Society*, Volume 462, Issue Suppl.1, p.S242-S252
193. Perna, D., Dotto, E., Ieva, S., Barucci, M. A., Bernardi, F., **Fornasier S.**, De Luise, F., Perozzi, E., Rossi, A., Mazzotta Epifani, E., Micheli, M., Deshapriya, D., 2016. Grasping the Nature of Potentially Hazardous Asteroids. *Astron. Journal* 151, article id. 11, 14 pp.
194. Quirico E., Moroz L. V., Schmitt B., Arnold G., Faure M., Beck, ..., **Fornasier S.**, 2016. Refractory and semi-volatile organics at the surface of comet 67P/Churyumov-Gerasimenko : Insights from the VIRTIS/Rosetta imaging spectrometer. *Icarus* vol. 272, pp. 32-47.
195. Vincent J.B., Oklay N., Pajola M., Höfner S., Sierks H., Hu X., .., **Fornasier S.**, et al. 2016. Are fractured cliffs the source of cometary dust jets ? Insights from OSIRIS/Rosetta at 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* vol. 587, id.A14, 15 pp
196. Vincent Jean-Baptiste, A'Hearn M. F., Lin Zhong-Yi, El-Maarry Mohamed Ramy, Pajola M., ..., **Fornasier S.**, 2016. . Summer fireworks on comet 67P. *Monthly Notices of the Royal Astronomical Society* vol. 462, pp. S184-S194.
197. Shi, X., Hu, X., Sierks, H., Güttler, C., A'Hearn, M., Blum, J., El-Maarry, M. R., Kührt, E., Mottola, S., Pajola, M., Oklay, N., **Fornasier, S.**, et 37 auteurs, 2016. Sunset jets observed on comet 67P/Churyumov-Gerasimenko sustained by subsurface thermal lag. *Astronomy & Astrophysics*, Volume 586, id.A7, 13 pp.

2017

198. Masoumzadeh, N., Oklay, N., Kolokolova, L., Sierks, H., **Fornasier S.**, Barucci, M. A., Vincent, J.-B., Tubiana, C., Güttler, C., Preusker, F., and 39 colleagues 2017. Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. *Astronomy and Astrophysics* 599, A11.
199. Perna, D., Barucci, M. A., Ishiguro, M., Alvarez-Candal, A., Kuroda, D., Yoshikawa, M., Kim, M.-J., **Fornasier S.**, and 4 colleagues, 2017. Spectral and rotational properties of near-Earth asteroid (162173) Ryugu, target of the Hayabusa2 sample return mission. *Astronomy and Astrophysics* 599, L1.
200. Belskaya, I.N., **Fornasier, S.**, Tozzi, G. P., Gil-Hutton, R., Cellino, A., Antonyuk, K., Krugly, Y. N., Dovgopoul, A. N., Faggi, S. 2017. Refining the asteroid taxonomy by polarimetric observations. *Icarus* 284, 30-42.

201. Perna, D., Fulchignoni, M., Barucci, M. A., **Fornasier S.**, Feller, and 40 colleagues 2017. Multivariate statistical analysis of OSIRIS/Rosetta spectrophotometric data of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 600, A115.
202. Perna, D., Hromakina, T., Merlin, F., Ieva, S., **Fornasier, S.**, Belskaya, I., Mazzotta Epifani, E. 2017. The very homogeneous surface of the dwarf planet Makemake. *Monthly Notices of the Royal Astronomical Society* 466, 3594-3599.
203. Gicquel, A., ..., **S. Fornasier**, ..and 61 colleagues 2017. Modelling of the outburst on 2015 July 29 observed with OSIRIS cameras in the Southern hemisphere of comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society* 469, S178-S185.
204. Frattin, E., ..., **Fornasier, S.**, and 53 colleagues 2017. Post-perihelion photometry of dust grains in the coma of 67P Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society* 469, S195-S203.
205. El-Maarry, M.R., ..,**Fornasier S**, and 50 colleagues 2017. Regional surface morphology of comet 67P/Churyumov-Gerasimenko from Rosetta/OSIRIS images : The southern hemisphere (Corrigendum). *Astronomy and Astrophysics* 598, C2
206. Lucchetti, A., Pajola, M., **Fornasier S.**, Mottola, S., Penasa, L and 49 colleagues 2017. Geomorphological and spectrophotometric analysis of Seth's circular niches on comet 67P/Churyumov-Gerasimenko using OSIRIS images. *Monthly Notices of the Royal Astronomical Society* 469, S238-S251.
207. Ott, T., ..,**Fornasier S.**, ..and 51 colleagues 2017. Dust mass distribution around comet 67P/Churyumov-Gerasimenko determined via parallax measurements using Rosetta's OSIRIS cameras. *Monthly Notices of the Royal Astronomical Society* 469, S276-S284.
208. Hu, X., ..,**Fornasier S.**, .. and 52 colleagues 2017. Thermal modelling of water activity on comet 67P/Churyumov-Gerasimenko with global dust mantle and plural dust-to-ice ratio. *Monthly Notices of the Royal Astronomical Society* 469, S295-S311.
209. Guettler, C., Hasselmann, P. H., Li, Y., Fulle, M., Tubiana, C., Kovacs, G., Agarwal, J., Sierks, H., **Fornasier S.**, Hofmann, M, and 42 colleagues 2017. Characterization of dust aggregates in the vicinity of the Rosetta spacecraft. *Monthly Notices of the Royal Astronomical Society* 469, S312-S320.
210. Vincent, J.-B., ...,**Fornasier S.**, ..and 52 colleagues 2017. Constraints on cometary surface evolution derived from a statistical analysis of 67P's topography. *Monthly Notices of the Royal Astronomical Society* 469, S329-S338.
211. Keller, H.U., ...,**Fornasier S.**, ..and 48 colleagues 2017. Seasonal mass transfer on the nucleus of comet 67P/Chuyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society* 469, S357-S371.
212. Schmitt, M. I., Tubiana, C., Güttler, C., Sierks, H., Vincent, J.-B., El-Maarry, M. R., Bodewits, D., Mottola, S., **Fornasier S.** and 41 colleagues 2017. Long-term monitoring of comet 67P/Churyumov-Gerasimenko's jets with OSIRIS onboard Rosetta. *Monthly Notices of the Royal Astronomical Society* 469, S380-S385.
213. Bertini, I., ...,**Fornasier S.**, ..and 53 colleagues 2017. The scattering phase function of comet 67P/Churyumov-Gerasimenko coma as seen from the Rosetta/OSIRIS instrument. *Monthly Notices of the Royal Astronomical Society* 469, S404-S415.
214. Hasselmann, P.H., Barucci, M. A., **Fornasier S.**, Feller, C., Deshapriya, J. D. P., and 43 colleagues 2017. The opposition effect of 67P/Churyumov-Gerasimenko on post-perihelion Rosetta images. *Monthly Notices of the Royal Astronomical Society* 469, S550-S567.

215. Okay, N., Mottola, S., Vincent, J.-B., Pajola, M., **Fornasier S.**, Hviid, S. F., and 50 colleagues 2017. Long-term survival of surface water ice on comet 67P. *Monthly Notices of the Royal Astronomical Society* 469, S582-S597.
216. Agarwal, J., Della Corte, V., Feldman, P. D., Geiger, B., Merouane, S., Bertini, I., Bodewits, D., **Fornasier S.**, Grün, E., Hasselmann, P., and 60 colleagues 2017. Evidence of sub-surface energy storage in comet 67P from the outburst of 2016 July 03. *Monthly Notices of the Royal Astronomical Society* 469, s606-s625.
217. Pajola, M., ..., **Fornasier, S.**,...and 54 colleagues 2017. The pebbles/boulders size distributions on Sais : Rosetta's final landing site on comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society* 469, S636-S645.
218. Lin, Z.-Y., ..., **Fornasier, S.**,...and 47 colleagues 2017. Investigating the physical properties of outbursts on comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society* 469, S731-S740.
219. Penasa, L., ..., **Fornasier, S.**,... and 54 colleagues 2017. A three-dimensional modelling of the layered structure of comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society* 469, S741-S754.
220. Santos-Sanz, P., Lellouch, E., Groussin, O., Lacerda, P., Müller, T. G., Ortiz, J. L., Kiss, C., Vilenius, E., Stansberry, J., Duffard, R., **Fornasier S.**, Jorda, L., Thirouan, A., 2017. "TNOs are Cool" : A survey of the trans-Neptunian region. XII. Thermal light curves of Haumea, 2003 VS₂ and 2003 AZ₈₄ with Herschel/PACS. *Astronomy and Astrophysics* 604, A95.
221. Hu, X., ..., **Fornasier, S.**,... and 52 colleagues 2017. Seasonal erosion and restoration of the dust cover on comet 67P/Churyumov-Gerasimenko as observed by OSIRIS onboard Rosetta. *Astronomy and Astrophysics* 604, A114.
222. Drolshagen, E., ..., **Fornasier, S.**,... and 43 colleagues 2017. Distance determination method of dust particles using Rosetta OSIRIS NAC and WAC data. *Planetary and Space Science* 143, 256-264.
223. Pajola, M., ..., **Fornasier, S.**,... and 54 colleagues 2017. The pebbles/boulders size distributions on Sais : Rosetta's final landing site on comet 67P/Churyumov-Gerasimenko.. *Monthly Notices of the Royal Astronomical Society* 471, 680-689.
224. Jost, B., Pommerol, A., Poch, O., Yoldi, Z., **Fornasier, S.**, Hasselmann, P. H., Feller, C., Carrasco, N., Szopa, C., Thomas, N. 2017. Bidirectional reflectance and VIS-NIR spectroscopy of cometary analogues under simulated space conditions. *Planetary and Space Science* 145, 14-27.
225. Preusker, F., ..., **Fornasier, S.**,... and 43 colleagues 2017. The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 607, L1.
226. Jost, B., Pommerol, A., Poch, O., Brouet, Y., **Fornasier, S.**, Carrasco, N., Szopa, C., Thomas, N. 2017. Bidirectional reflectance of laboratory cometary analogues to interpret the spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko. *Planetary and Space Science* 148, 1-11.
227. Auger, A.-T., ..., **Fornasier, S.**,... and 49 colleagues 2018. Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. *Icarus* 301, 173-188.
228. Lellouch, E., Moreno, R., Müller, T., **Fornasier S.**, Santos-Sanz, P., Moullet, A. and 6 colleagues 2017. The thermal emission of Centaurs and trans-Neptunian objects at millimeter wavelengths from ALMA observations. *Astronomy and Astrophysics* 608, A45.

229. Birlan, Mirel, Colas, Francois, Cochard, Francois, Carry, Benoît, Vernazza, Pierre, **Fornasier, S.**, Perna, Davide, 2017. New concept of spectrograph for Near-Earth Asteroids observations. *Romanian Astronomical Journal*, Vol. 27, No. 2, p. 83-90
230. Hofner, S., Vincent, J.-B., Blum, J., Davidsson, B. J. R., Sierks, H., El-Maarry, M. R., Deller, J., Hofmann, M., Hu, X., Pajola, M., Barbieri, C., Lamy, P. L., Rodrigo, R., Koschny, D., Rickman, H., Keller, H. U., A'Hearn, M. F., Auger, A.-T., Barucci, M. A., Bertaux, J.-L., Bertini, I., Bodewits, D., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., **Fornasier, S.**, Fulle, M., Gicquel, A., Groussin, O., Gutiérrez, P. J., Gutiérrez-Marqués, P., Güttler, C., Hviid, S. F., Ip, W.-H., Jorda, L., Knollenberg, J., Kovacs, G., Kramm, J.-R., Kührt, E., Küppers, M., La Forgia, F., Lazzarin, M., Lopez-Moreno, J. J., Marzari, F., Michalik, H., Moissl-Fraund, R., Moreno, F., Mottola, S., Naletto, G., Oklay, N., Preusker, F., Scholten, F., Shi, X., Thomas, N., Toth, I., Tubiana, C., Zitzmann, S.. 2017. Thermophysics of fractures on comet 67P/Churyumov-Gerasimenko. *Astron. & Astrophysics*, Volume 608, id.A121, 18 pp.

2018

231. Auger, A.-T., Groussin, O., Jorda, L., El-Maarry, M. R., Bouley, S., Séjourné, A., Gaskell, R., Capanna, C., Davidsson, B., Marchi, S., Höfner, S., Lamy, P. L., Sierks, H., Barbieri, C., Rodrigo, R., Koschny, D., Rickman, H., Keller, H. U., Agarwal, J., A'Hearn, M. F., Barucci, M. A., Bertaux, J.-L., Bertini, I., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., **Fornasier, S.**, Fulle, M., Gutiérrez, P. J., Güttler, C., Hviid, S., Ip, W.-H., Knollenberg, J., Kramm, J.-R., Kührt, E., Küppers, M., Lara, L. M., Lazzarin, M., Lopez Moreno, J. J., Marzari, F., Massironi, M., Michalik, H., Naletto, G., Oklay, N., Pommerol, A., Sabau, L., Thomas, N., Tubiana, C., Vincent, J.-B., Wenzel, K.-P., 2018. Meter-scale thermal contraction crack polygons on the nucleus of comet 67P/Churyumov-Gerasimenko. *Icarus*, Volume 301, p. 173-188.
232. Attree, N., Groussin, O., Jorda, L., Nébouy, D., Thomas, N., Brouet, Y., Kührt, E., Preusker, F., Scholten, F., Knollenberg, J., Hartogh, P., Sierks, H., Barbieri, C., Lamy, P., Rodrigo, R., Koschny, D., Rickman, H., Keller, H. U., A'Hearn, M. F., Auger, A.-T., Barucci, M. A., Bertaux, J.-L., Bertini, I., Bodewits, D., Boudreault, S., Cremonese, G., Da Deppo, V., Davidsson, B., Debei, S., De Cecco, M., Deller, J., El-Maarry, M. R., **Fornasier, S.**, Fulle, M., Gutiérrez, P. J., Güttler, C., Hviid, S., Ip, W.-H., Kovacs, G., Kramm, J. R., Küppers, M., Lara, L. M., Lazzarin, M., Lopez Moreno, J. J., Lowry, S., Marchi, S., Marzari, F., Mottola, S., Naletto, G., Oklay, N., Pajola, M., Toth, I., Tubiana, C., Vincent, J.-B., Shi, X., 2018. Tensile strength of 67P/Churyumov-Gerasimenko nucleus material from overhangs. *Astronomy & Astrophysics*, Volume 611, id.A33, 12 pp.
233. Fulle, Marco, Bertini, I., Della Corte, V., Güttler, C., Ivanovski, S., La Forgia, F., Lasue, J., Lvasseur-Regourd, A. C., Marzari, F., Moreno, F., Mottola, S., Naletto, G., Palumbo, P., Rinaldi, G., Rotundi, A., Sierks, H., Barbieri, C., Lamy, P. L., Rodrigo, R., Koschny, D., Rickman, H., Barucci, M. A., Bertaux, J.-L., Bodewits, D., Cremonese, G., Da Deppo, V., Davidsson, B., Debei, S., De Cecco, M., Deller, J., **Fornasier, S.**, Groussin, O., Gutiérrez, P. J., Hviid, H. S., Ip, W. H., Jorda, L., Keller, H. U., Knollenberg, J., Kramm, J. R., Kührt, E., Küppers, M., Lara, M. L., Lazzarin, M., López-Moreno, J. J., Shi, X., Thomas, N., Tubiana, C., 2018. The phase function and density of the dust observed at comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society*, Volume 476, Issue 2, p.2835-2839

234. Perna, D., Barucci, M. A., Fulchignoni, M., Popescu, M., Belskaya, I., **Fornasier, S.**, Doressoundiram, A., Lantz, C., Merlin, F., 2018. A spectroscopic survey of the small near-Earth asteroid population : Peculiar taxonomic distribution and phase reddening. *Planetary and Space Science*, Volume 157, p. 82-95.
235. Barucci, M. A., Perna, D., Popescu, M., **Fornasier, S.**, Doressoundiram, A., Lantz, C., Merlin, F., Fulchignoni, M., Dotto, E., Kanuchova, S., 2018. Small D-type asteroids in the NEO population : new targets for space missions. *MNRAS*, 476, Issue 4, p.4481-4487
236. Popescu, Marcel, Perna, D., Barucci, M. A., **Fornasier, S.**, Doressoundiram, A., Lantz, C., Merlin, F., Belskaya, I. N., Fulchignoni, M., 2018. Olivine-rich asteroids in the near-Earth space. *MNRAS* 477, Issue 2, p.2786-2795
237. Gerig, S.-B., Marschall, R., Thomas, N., Bertini, I., Bodewits, D., Davidsson, B., Fulle, M., Ip, W.-H., Keller, H. U., Küppers, M., Preusker, F., Scholten, F., Su, C. C., Toth, I., Tubiana, C., Wu, J.-S., Sierks, H., Barbieri, C., Lamy, P. L., Rodrigo, R., Koschny, D., Rickman, H., Agarwal, J., Barucci, M. A., Bertaux, J.-L., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., Deller, J., **Fornasier, S.**, Groussin, O., Gutierrez, P. J., Güttler, C., Hviid, S. F., Jorda, L., Knollenberg, J., Kramm, J.-R., Kührt, E., Lara, L. M., Lazzarin, M., Lopez Moreno, J. J., Marzari, F., Mottola, S., Naletto, G., Oklay, N., Vincent, J.-B., 2018. On deviations from free-radial outflow in the inner coma of comet 67P/Churyumov-Gerasimenko. *Icarus*, Volume 311, p. 1-22
238. Ferrari, Sabrina, Penasa, L., La Forgia, F., Massironi, M., Naletto, G., Lazzarin, M., **Fornasier, S.**, Hasselmann, P. H., Lucchetti, A., Pajola, M., Ferri, F., Cambianica, P., Oklay, N., Tubiana, C., Sierks, H., Lamy, P. L., Rodrigo, R., Koschny, D., Davidsson, B., Barucci, M. A., Bertaux, J.-L., Bertini, I., Bodewits, D., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., Deller, J., Franceschi, M., Frattin, E., Fulle, M., Groussin, O., Gutiérrez, P. J., Güttler, C., Hviid, S. F., Ip, W.-H., Jorda, L., Keller, H. U., Knollenberg, J., Kührt, E., Küppers, M., Lara, L. M., López-Moreno, J. J., Marzari, F., Shi, X., Simioni, E., Thomas, N., Vincent, J.-B., 2018. The big lobe of 67P/Churyumov-Gerasimenko comet : morphological and spectrophotometric evidences of layering as from OSIRIS data. *Monthly Notices of the Royal Astronomical Society*, Volume 479, Issue 2, p.1555-1568
239. Bowles, N. E., Snodgrass, C., Gibbings, A., Sanchez, J. P., Arnold, J. A., Eccleston, P., Andert, T., Probst, A., Naletto, G., Vandaale, A. C., de Leon, J., Nathues, A., Thomas, I. R., Thomas, N., Jorda, L., Da Deppo, V., Haack, H., Green, S. F., Carry, B., Donaldson Hanna, K. L., Leif Jorgensen, J., Kereszturi, A., DeMeo, F. E., Patel, M. R., Davies, J. K., Clarke, F., Kinch, K., Guilbert-Lepoutre, A., Agarwal, J., Rivkin, A. S., Pravec, P., **Fornasier, S.**, Granvik, M., Jones, R. H., Murdoch, N., Joy, K. H., Pascale, E., Tecza, M., Barnes, J. M., Licandro, J., Greenhagen, B. T., Calcutt, S. B., Marriner, C. M., Warren, T., Tosh, I., 2018. CASTAway : An asteroid main belt tour and survey. *Advances in Space Research*, Volume 62, Issue 8, p. 1998-2025
240. Vilenius, E., Stansberry, J., Müller, T., Mueller, M., Kiss, C., Santos-Sanz, P., Mommert, M., Pál, A., Lellouch, E., Ortiz, J. L., Peixinho, N., Thirouin, A., Lykawka, P. S., Horner, J., Duffard, R., **Fornasier, S.**, Delsanti, A., 2018. "TNOs are Cool" : A survey of the trans-Neptunian region. XIV. Size/albedo characterization of the Haumea family observed with Herschel and Spitzer. *Astronomy & Astrophysics*, Volume 618, id.A136, 15 pp.
241. Moreno, F., Guirado, D., Muñoz, O., Bertini, I., Tubiana, C., Güttler, C., Fulle, M., Rotundi, A., Della Corte, V., Ivanovski, S. L., Rinaldi, G., Bockelée-Morvan, D., Zakharov, V. V., Agarwal, J., Mottola, S., Toth, I., Frattin, E., Lara, L. M., Gutiérrez, P. J., Lin,

- Z. Y., Kolokolova, L., Sierks, H., Naletto, G., Lamy, P. L., Rodrigo, R., Koschny, D., Davidsson, B., Barucci, M. A., Bertaux, J.-L., Bodewits, D., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., Deller, J., **Fornasier, S.**, Ip, W.-H., Keller, H. U., Lazzarin, M., López-Moreno, J. J., Marzari, F., Shi, X., 2018. Models of Rosetta/OSIRIS 67P Dust Coma Phase Function. *Astronomical Journal*, Volume 156, Issue 5, article id. 237, 7 pp
242. Thomas, N., El Maarry, M. R., Theologou, P., Preusker, F., Scholten, F., Jorda, L., Hviid, S. F., Marschall, R., Kührt, E., Naletto, G., Sierks, H., Lamy, P. L., Rodrigo, R., Koschny, D., Davidsson, B., Barucci, M. A., Bertaux, J. L., Bertini, I., Bodewits, D., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., **Fornasier, S.**, Fulle, M., Groussin, O., Gutiérrez, P. J., Güttler, C., Ip, W. H., Keller, H. U., Knollenberg, J., Lara, L. M., Lazzarin, M., López-Moreno, J. J., Marzari, F., Tubiana, C., Vincent, J. B., 2018. Regional unit definition for the nucleus of comet 67P/Churyumov-Gerasimenko on the SHAP7 model. *Planetary and Space Science*, Volume 164, p. 19-36.
- 2019**
243. Bertini, I., La Forgia, F., Fulle, M., Tubiana, C., Güttler, C., Moreno, F., Agarwal, J., Munoz, O., Mottola, S., Ivanovsky, S., Pajola, M., Lucchetti, A., Petropoulou, V., Lazzarin, M., Rotundi, A., Bodewits, D., Frattin, E., Toth, I., Masoumzadeh, N., Kovacs, G., Rinaldi, G., Guirado, D., Sierks, H., Naletto, G., Lamy, P., Rodrigo, R., Koschny, D., Davidsson, B., Barbieri, C., Barucci, M. A., Bertaux, J.-L., Cambianica, P., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., Deller, J., Ferrari, S., Ferri, F., **Fornasier, S.**, Gutierrez, P. J., Hasselmann, P. H., Ip, W.-H., Keller, H. U., Lara, L. M., Lopez Moreno, J. J., Marzari, F., Massironi, M., Penasa, L., Shi, X., 2019. The backscattering ratio of comet 67P/Churyumov-Gerasimenko dust coma as seen by OSIRIS onboard Rosetta. *Monthly Notices of the Royal Astronomical Society*, Volume 482, Issue 3, p.2924-2933
244. Tubiana, C., Rinaldi, G., Güttler, ..., **Fornasier, S.**, et al., 2019. Diurnal variation of dust and gas production in comet 67P/Churyumov-Gerasimenko at the inbound equinox as seen by OSIRIS and VIRTIS-M on board Rosetta. *Astronomy and Astrophysics* 630, id. A23, 14 pp.
245. Lai, I, Ip, W-H., Lee, J.C.,..., **Fornasier, S.**, et al., 2019. Seasonal variations in source regions of the dust jets on comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 630, id. A16, 12 pp.
246. Cambianica, P., Cremonese, G., Naletto, G., ..., **Fornasier, S.**, et al., 2019. Quantitative analysis of isolated boulder fields on comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 630, id. A16, 12 pp.
247. Tognon, G., Ferrari, S., Penasa, L., ..., **Fornasier, S.**, et al., 2019. Spectrophotometric variegation of the layering in comet 67P/Churyumov-Gerasimenko as seen by OSIRIS. *Astronomy and Astrophysics* 630, id. A15, 15 pp.
248. Masoumzadeh, N., Kolokolova, L., Tubiana, C., ..., **Fornasier, S.**, et al., 2019. Phase-curve analysis of comet 67P/Churyumov-Gerasimenko at small phase angles. *Astronomy and Astrophysics* 630, id. A11, 10 pp.
249. Pajola, M., Lee, J. C., Ockay, N., Hviid, S. F., Penasa, L., Mottola, S., Shi, X., **Fornasier, S.**, et al., 2019. Multidisciplinary analysis of the Hapi region located on Comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society*, 485, Issue 2, p.2139-2154

- 250. Lucchetti, A. Penasa, L., Pajola, M., Massironi, M., Brunetti, M.T., Cremonese, G., Oklay, N., Vincent, J.B., Mottola, S., **Fornasier, S.**, Sierks, H. et al., 2019. The Rocky-Like Behavior of Cometary Landslides on 67P/Churyumov-Gerasimenko. *Geophysical Research Letters* 46, pp. 14,336-14,346
- 251. Muller, T., Kiss, Cs., Ali-Lagoa, V., Ortiz, J. L., Lellouch, E., Santos-Sanz, P., **Fornasier, S.**, Marton, G., Mommert, M., Farkas-Takacs, A., Thirouin, A., Vilenius, E., 2019. Haumea's thermal emission revisited in the light of the occultation results. *Icarus* 334, 39-51.
- 252. C. Feller, **S. Fornasier**, S. Ferrari, P.H. Hasselmann, M. A. Barucci, et al., 2019. ROSETTA/OSIRIS observations of 67P's nucleus during the April 2016 flyby : high-resolution spectrophotometry. *Astronomy and Astrophysics* 630, id.A9, 20 pp.
- 253. P. H. Hasselmann, M. A. Barucci, **S. Fornasier**, D. Bockelée-Morvan, J. D. P. Deshapriya, C. Feller et al., 2019. Pronounced morphological changes in a southern active zone on comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 630, id. A8, 19 pp

2020

- 254. O'Rourke, L., Müller, T. G., Biver, N., Bockelée-Morvan, D., Hasegawa, S., Valtchanov, I., Küppers, M., **Fornasier, S.**, Campins, H., Fujiwara, H., Teyssier, D., Lim, T., 2020. Low Water Outgassing from (24) Themis and (65) Cybele : 3.1 micron Near-IR Spectral Implications. *The Astrophysical Journal Letters* 898, id.L45
- 255. Cremonese, G., Capaccioni, F., Capria, M. T., Doressoundiram, A., Palumbo, P., Vincendon, M., Massironi, M., Debei, S., Zusi, M., Altieri, F., Amoroso, M., Aroldi, G., Baroni, M., Barucci, A., Bellucci, G., Benkhoff, J., Besse, S., Bettanini, C., Blecka, M., Borrelli, D., Brucato, J. R., Carli, C., Carlier, V., Cerroni, P., Cicchetti, A., Colangeli, L., Dami, M., Da Deppo, V., Della Corte, V., De Sanctis, M. C., Erard, S., Esposito, F., Fantinel, D., Ferranti, L., Ferri, F., Fici, A., Veltroni, I., Filacchione, G., Flamini, E., Forlani, G., **Fornasier, S.**, Forni, O., Fulchignoni, M., Galluzzi, V., Gwinner, K., Ip, W., Jorda, L., Langevin, Y., Lara, L., Leblanc, F., Leyrat, C., Li, Y., Marchi, S., Marinangeli, L., Marzari, F., Mazzotta Epifani, E., Mendillo, M., Mennella, V., Mugnuolo, R., Muinonen, K., Naletto, G., Noschese, R., Palomba, E., Paolinetti, R., Perna, D., Piccioni, G., Politi, R., Poulet, F., Ragazzoni, R., Re, C., Rossi, M., Rotundi, A., Salemi, G., Sgavetti, M., Simioni, E., Thomas, N., Tommasi, L., Turella, A., Van Hoolst, T., Wilson, L., Zambon, F., Aboudan, A., Barraud, O., Bott, N., Borin, P., Colombatti, G., El Yazidi, M., Ferrari, S., Flahaut, J., Giacomini, L., Guzzetta, L., Lucchetti, A., Martellato, E., Pajola, M., Slemmer, A., Tognon, G., Turrini, D., 2020. SIMBIO-SYS : Scientific Cameras and Spectrometer for the BepiColombo Mission. *Space Science Reviews* 216, Issue 5, article id.75
- 256. Barucci, M. A., Hasselmann, P. H., Praet, A., Fulchignoni, M., Deshapriya, J. D. P., **Fornasier, S.**, Merlin, F., Clark, B. E., Simon, A. A., Hamilton, V. E., Emery, J. P., Howell, E. S., Brucato, J. R., Cloutis, E. A., Zou, X. D., Li, J. -Y., Michel, P., Ferrone, S., Poggiali, G., Reuter, D. C. DellaGiustina, D. N., Lauretta, D. S., 2020. OSIRIS-REx spectral analysis of (101955) Bennu by multivariate statistics. *Astronomy and Astrophysics* 637, id.L4, 5 pp.
- 257. Kaplan, Hannah H., Hamilton, Victoria E., Howell, Ellen S., Scott Anderson, F., Barucci, M. Antonella, Brucato, John, Burbine, Thomas H., Clark, Beth E., Cloutis, Ed A., Connolly, Harold C., Dotto, Elisabetta, Emery, Joshua P., **Fornasier, Sonia**, Lantz,

Cateline, Lim, Lucy F., Merlin, Frederic, Praet, Alice, Reuter, Dennis C., Sandford, Scott A., Simon, Amy A. Takir, Driss, Lauretta, Dante S., 2020. Visible-near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx. *Meteoritics & Planetary Science* 55, Issue 4, pp. 744-765

258. Cambianica, P., Fulle, M., Cremonese, G., Simioni, E., Naletto, G., Massironi, M., Penasa, L., Lucchetti, A., Pajola, M., Bertini, I., Bodewits, D., Ceccarelli, C., Ferri, F., **Fornasier, S.**, Frattin, E., Güttler, C., Gutiérrez, P. J., Keller, H. U., Kührt, E., Küppers, M. La Forgia, F., Lazzarin, M., Marzari, F., Mottola, S., Sierks, H., Toth, I., Tubiana, C., Vincent, J. -B., 2020. Time evolution of dust deposits in the Hapi region of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 636, id.A91, 13 pp.
259. Simon, A. A., Kaplan, H. H., Cloutis, E., Hamilton, V. E., Lantz, C., Reuter, D. C., Trang, D., **Fornasier, S.**, Clark, B. E., Lauretta, D. S., 2020. Weak spectral features on (101995) Bennu from the OSIRIS-REx Visible and InfraRed Spectrometer. *Astronomy and Astrophysics* 644, id.A148, 7 pp.

2021

260. Deshapriya, J. D. P., Barucci, M. A., Bierhaus, E. B., **Fornasier, S.**, Hasselmann, P. H., Merlin, F., Clark, B. E., Praet, A., Fulchignoni, M., Simon, A. A., Hamilton, Victoria E., Cloutis, E. A., Lantz, C., Zou, X. D., Li, J. -Y., Reuter, D. C., Brucato, J. R., Poggiali, G., Daly, R. T., Trang, D. Ferrone, S., DellaGiustina, D. N., Lauretta, D. S., 2021. Spectral analysis of craters on (101955) Bennu. *Icarus* 357, article id. 114252.
261. Zou, X.-D. Li, J.-Y., Clark, B.E., Golish, D. R., Ferrone, S., Simon, A. A., Reuter, D. C., Domingue, D. L. ; Kaplan, H., Barucci, M. A., **Fornasier, Sonia**, et al., 2021. Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. *Icarus* 358, article id. 114183.
262. Golish, D.R., DellaGiustina, D.N., Li, Y-J, Clark, B. E., Zou, X.-D., Smith, P.H., Rizos, J.L., Hasselmann, P.H., Bennett, C.A., **Fornasier S.**, et al., 2021. Disk-resolved photometric modeling and properties of asteroid (101955) Bennu. *Icarus*, 357, article id. 113724
263. Birlan, M., Colas, F., Cochard, F., Darson, D., Carry, B., Vernazza, P., Nedelcu, A., Dubois, J., **Fornasier S.**, Perna, D., Morfin, P., 2021. First light of SOVAG, a spectrograph for visible and near-infrared observation of asteroids. *Experimental Astronomy* 51, 181-192
264. Hasselmann, P.H., **Fornasier, S.**, Barucci, M.A., Praet, A., Clark., B.E., et al., 2021. Modeling optical roughness and first-order scattering processes from OSIRIS-REx color images of the rough surface of asteroid (101955) Bennu. *Icarus* 357, article id. 114106
265. Praet, A., Barucci, M. A., Clark, B. E., Kaplan, H. H., Simon, A. A., Hamilton, V. E., Emery, J. P., Howell, E. S., Lim, L. F., Zou, X. -D., Li, J. -Y., Reuter, D. C., Merlin, F., Deshapriya, J. D. P., **Fornasier, S.**, and 9 co-authors, 2021. Hydrogen abundance estimation and distribution on (101955) Bennu. *Icarus*, Volume 363, article id. 114427
266. Merlin, F., Deshapriya, J. D. P., **Fornasier, S.**, Barucci, M. A., Praet, A., Hasselmann, P. H., Clark, B. E., Hamilton, V. E., Simon, A. A., Reuter, D. C., Zou, X. -D., Li, J. -Y., Schrader, D. L., Lauretta, D. S., 2021. In search of Bennu analogs : Hapke modeling of meteorite mixtures. *Astronomy & Astrophysics*, Volume 648, id.A88, 9 pp.
267. Li, J-Y, Zou, X-D, Golish, D. R., Clark, B. E., Ferrone, S., **Fornasier, S.**, Hasselmann,

- P. H., and 10 co-authors, 2021. Spectrophotometric Modeling and Mapping of (101955) Bennu. *The Planetary Science J.* 2, id.117, 23 pp.
268. Golish, D.R., Li, Y-J, Clark, B. E., DellaGiustina, D.N., Zou, X.-D., Rizos, J.L., Hasselmann P.H, Bennett, C.A., **Fornasier, S.**, and 13 co-authors, 2021. Regional Photometric Modeling of Asteroid (101955) Bennu. *The Planetary Science J.* 2, id.124, 30 pp.
269. Kaplan, H. H., Simon, A. A., Hamilton, V. E., Thompson, M. S., Sandford, S. A., Barucci, M. A., Cloutis, E. A., Brucato, J., Reuter, D. C., Glavin, D. P., Clark, B. E., Dworkin, J. P., Campins, H., Emery, J. P., **Fornasier, S.**, Zou, X. D., Lauretta, D. S., 2021. Composition of organics on asteroid (101955) Bennu. *Astronomy and Astrophysics* 653, id.L1, 11 pp
270. Hromakina, T., Birlan, M., Barucci, M. A., Fulchignoni, M., Colas, F., **Fornasier, S.**, Merlin, F., Sonka, A., Petrescu, E., Perna, D., Dotto, E., and Neorocks Team, 2021. Photometric survey of 55 near-earth asteroids. *Astronomy and Astrophysics* 656, id.A89, 8 pp.
271. Avdellidou, C., Pajola, M., Lucchetti, A., Agostini, L., Delbo, M., Mazzotta Epifani, E., Bourdelle de Micas, J., Devogèle, M., **Fornasier, S.**, van Belle, G., Bruot, N., Dotto, E., Ieva, S., Cremonese, G., Palumbo, P., 2021. Characterisation of the main belt asteroid (223) Rosa. A proposed flyby target of ESA's JUICE mission. *Astronomy and Astrophysics* 656, id.L18, 7 pp.
272. Barucci, M.A., Reess, J.-M., Bernardi, P. , Doressoundiram, A., **Fornasier, S.**, Le Du, M., Iwata, T., Nakagawa, H., & 55 co-autors , 2021. MIRS : an imaging spectrometer for the MMX mission. *Earth, Planets and Space* 73, id.211
273. Nakamura, T., Ikeda, H., Kouyama, T., ..., **Fornasier S.**, ...& 45 co-autors, 2021. Science operation plan of Phobos and Deimos from the MMX spacecraft. *Earth, Planets and Space* 73, id.227

2022

274. Hromakina, T., Barucci, M. A., Belskaya, I., **Fornasier S.**, Merlin, F. , Praet, A. , Poggiali, G. , Matsuoka, M., 2022. Search for carbon-bearing compounds on low-albedo asteroids. *Monthly Notices of the Royal Astronomical Society*, Volume 514, Issue 1, pp.21-33
275. Avdellidou, C. , Delbo, M. , Morbidelli, A. , Walsh, K. J. , Munaibari, E. , Bourdelle de Micas, J., Devogèle, M. , **Fornasier, S.**, Gounelle, M. , van Belle, G., 2022. A thor asteroid family as the source of the EL enstatite meteorites. *Astron. Astroph.* 665, id.L9, 13 pp
276. Kwon Y., Hasegawa, S., **Fornasier S.**, Ishiguru, M., Agarwall, J., 2022. Probing the surface environment of large T-type asteroids. *Astron. Astroph.* 666, id.A173, 16 pp.
277. Poggiali, G., Matsuoka, M. , Barucci, M. A. Brucato, J., Beck, P., **Fornasier S.**, Doressoundiram, A., Merlin, F. , Alberini, A. 2022. Phobos and Deimos surface composition : search for spectroscopic analogues. *Monthly Notices of the Royal Astronomical Society*, Volume 516, Issue 1, pp.465-476
278. Davidsson, B., Schloerb, F. P., **Fornasier S.**, Oklay, N., Gutiérrez, P., et al. 2022. CO₂-driven surface changes in the Hapi region on Comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the Royal Astronomical Society*, Volume 516, Issue 4, pp.6009-6040

279. Birlan, M., Hromakina, T., Barucci, A., Fulchignoni, M., Sonka, A., Omat, C., Colas, F., Belskaya, I., **Fornasier, S.**, Dotto, E., Anghel, S., Neorocks Team, 2022. Lightcurves and Astrometry Results of Neorocks Asteroid Color Survey. Romanian Astronomical Journal, Vol. 32, No. 2, pp. 127-139

2023

280. Quirico, E., Bacmann, A., Wolters, C. , ..., **Fornasier, S.**,...et al., 2023. On a radiolytic origin of red organics at the surface of the Arrokoth Trans-Neptunian Object. Icarus, Volume 394, article id. 115396
281. Hromakina, T., Birlan, M. , Barucci, M. A., Fulchignoni, M., Colas, F., **Fornasier, S.**, et al., 2023. NEOROCKS project : surface properties of small near-Earth asteroids. Monthly Notices of the Royal Astronomical Society, Volume 520, Issue 2, pp.3143-3150
282. Clark, B. E., Sen, A., Zou, X. -D., DellaGiustina, D. N...., **Fornasier, S.**,...et al., 2023. Overview of the search for signs of space weathering on the low-albedo asteroid (101955) Bennu. Icarus 400, id. 115563.
283. Sawyer, E., Barucci, M.A., Rocard, F., **Fornasier, S.**, Doressoundiram, A., et al., 2023. Development of observation strategies from mission design to operations : illustration with Mars moons Explorer infrared spectrometer (MIRS). Acta Astronautica, Volume 210, p. 453-464

2024

284. Kral, Quentin ; Huet, Paul ; Bergez-Casalou, Camille ; Thébault, Philippe ; Charnoz, Sébastien ; **Fornasier, S.**, 2024. An impact-free mechanism to deliver water to terrestrial planets and exoplanets. Astronomy & Astrophysics, Volume 692, id.A70, 24 pp.
285. David, Gaël ; Delbo, Marco ; Barucci, Maria Antonietta ; Merlin, Frédéric ; Fraeman, Abigail A. ; **Fornasier, Sonia** ; Poggiali, Giovanni ; Beck, Pierre ; Leyrat, Cédric, 2024. Analysis of a thermal correction method for infrared spectroscopy : preparation for the future observations of the Martian moons Phobos and Deimos with the MIRS instrument. Monthly Notices of the Royal Astronomical Society, Volume 534, Issue 4, pp.3265-3276
286. Bourdelle de Micas, J. ; **Fornasier, S.** ; Delbo, M. ; Ferrone, S. ; van Belle, G. ; Ochner, P. ; Avdellidou, C. 2024. Compositional characterization of a primordial S-type asteroid family of the inner main belt. Astronomy & Astrophysics, Volume 682, id.A64, 24 pp.
287. Birlan, M. ; Barucci, M. A. ; Belskaya, I. ; Fulchignoni, M. ; Hromakina, T. ; Sonka, A. ; Nedelcu, A. ; Colas, F. ; **Fornasier, S.** ; Merlin, F. ; Anghel, S. ; Poggiali, G. ; Perna, D. ; Dotto, E. ; The Neorocks Team, 2024. NEOROCKS color survey : Final results. Astronomy & Astrophysics, Volume 689, id.A334, 12 pp.
288. Poggiali, G. ; Fossi, L. ; Wagnier, A. ; Beccarelli, J. ; Brucato, J. R. ; Barucci, M. A. ; Beck, P. ; Matsuoka, M. ; Nakamura, T. ; Merlin, F. ; **Fornasier, S.** ; Pajola, M. ; Doressoundiram, A. ; Gautier, T. ; David, G., 2024. Grain size effects on the infrared spectrum of mineral mixtures with dark components : New laboratory experiments to interpret low-albedo rocky planetary surfaces. Astronomy & Astrophysics, Volume 685, id.A14, 17 pp.

2025

289. Wargnier, A. ..., **Fornasier, S.**, Barucci, M. A., 2025. Spectro-photometry of Phobos simulants II. Effects of porosity and texture. *Icarus*, Volume 438, id.116611
290. Barucci, Maria Antonietta search by orcid ; Bernardi, Pernelle ; Reess, Jean-Michel ; **Fornasier, Sonia** ; Merlin, Frederic, et al., 2025. The MMX InfraRed Spectrometer (MIRS) for the spectral characterization of the Martian system. *Progress in Earth and Planetary Science*, Volume 12, Issue 1, id.69
291. Pajola, M., ..., **Fornasier, S.**, et al., 2025. Phobos 0.4–2.5 micron spectral analysis of the red and blue units : Exploiting the Mars Express/OMEGA dataset. *Astronomy & Astrophysics*, Volume 697, id.A56, 12 pp.
292. Palumbo, P., ..., **Fornasier, S.**, et al., 2025. The JANUS (Jovis Amorum ac Natorum Undique Scrutator) VIS-NIR Multi-Band Imager for the JUICE Mission. *Space Science Reviews*, Volume 221, Issue 3, id.32
293. Wargnier, A. ; Poggiali, G. ; Yumoto, K. ; **Fornasier, S.** ; Mahlke, M. ; Gautier, T. ; Dorez-soundiram, A., 2025. Insights into the origins of Phobos and Deimos based on a spectral comparison with small bodies and Martian materials. *Astronomy & Astrophysics*, Volume 694, id.A304, 22 pp.
294. Bourdelle de Micas, J. ; Perna, D. ; **Fornasier, S.** ; et al., 2025. Spectral and photometric characterization of (98943) Torifune in preparation for the Hayabusa2 spacecraft flyby. *Astronomy & Astrophysics*, Volume 693, id.L19, 8 pp.
295. Wargnier, A. ; Simon, P., **Fornasier, S.**, et al., 2025. Deimos photometric properties : analysis of 20 years of observations (2004-2024) by the Mars Express HRSC camera. *Astronomy & Astrophysics*, in press.

1.3. Présentations invitées en conférences et congrès/Invited talks at conferences

1. **Fornasier S.**, Asteroids science with ELT telescope. Workshop ELT and the Solar System, 16-17 June, Marseille
2. **Fornasier S.**, Size, albedo and rotational period of the Hayabusa2 target (98943) Torifune. HAYABUSA 2 extended mission meeting, 5 April 2025
3. **Fornasier S.**, Mars Satellites photometric properties. International Phobos Workshop, IGP, Paris 3-4 February, 2025
4. **Fornasier S.**, Deimos photometric properties from Mars Express HRSC observations. Mars Express HRSC-OMEGA Team Meeting 2024, Venice, 19-21 June 2024.
5. **Fornasier S.**, Physical properties of comet 67P : results from Rosetta/OSIRIS. Workshop Rosetta & the comet, Naples, 17-18 June 2024
6. **Fornasier S.**, Albedo and size of 2001 CC21 from Spitzer observations and groundbased campaigns, HAYABUSA 2 extended mission meeting, 17-18 Nov. 2023
7. **Fornasier S.**, The Asteroids-Comets-TNOs continuum. Conference : "Active small bodies in the solar system", Stara Lesna, Slovakia, 5-8 September 2023
8. **Fornasier S.**, MIRS imaging spectrometer for the Martian Moon Explorer (MMX) mission. Hyperspectral colloquium, Paris, 5-7 July 2023

9. **Fornasier S.**, Space missions on Solar System minor bodies. Conference : "The 50 years of the Copernico Telescope, June 2023, Asiago
10. **Fornasier S.**, Volatile exposures on the 67P nucleus. Rosetta Dust Workshop, Paris, 7-10 March 2023
11. **Fornasier S.**, In flight calibration strategy for MIRS onboard MMX, MMX science team meeting, Tokyo, 27-30 March 2023
12. **Fornasier S.**, Phobos photometric properties derived from the HRSC camera observations, Team meeting of High Resolution Stereo Camera on Mars Express, 7-9 november 2022
13. **Fornasier, S. & MIRS team**, 2022. Clues on Phobos and deimos origin from MIRS. MMX mission team meeting, Sagamira, Japan, 21-23 novembre 2022.
14. **Fornasier S.**, Volatile exposures on the 67P nucleus. Rosetta dust workshop, 27 april 2022, Padova, Italie.
15. **Fornasier S.**, "How a comet behave : main results omn 67P nucleus from Rosetta mission, CLASSY workshop, IPAG-Grenoble, 24-25 March 2022
16. **Fornasier S.**, Surface heterogeneities on comet 67P, exposure of volatiles and their strong connection with activity events. 7-11 mars 2022, ISSI workshop on "The life cycle of comets", Berne, Suisse
17. **Fornasier S.**, Phobos and Deimos MIRS science, MMX science meeting, 18-19 Nov. 2021, Paris Obs. and online
18. **Fornasier S.**, Solar System small bodies : composition and materials of high exo-biological interest with NIR spectroscopy, workshop on "Massively Parallel Large Area Spectroscopy from Space", ATLAS, online workshop, 21-23 June 2021
19. **Fornasier S.**, Phase reddening on Bennu from OSIRIS-REX observations, OSIRIS-REX team meeting, 14-15 July 2020
20. **Fornasier S.**, Linking surface morphology, composition and activity on the 67P/Churyumov-Gerasimenko's nucleus, 24-28 février 2020, ISSI workshop on "Closing The Gap Between Ground Based And In-Situ Observations Of Cometary Dust Activity : Investigating Comet 67P To Gain A Deeper Understanding Of Other Comets", Berne, Suisse.
21. **Fornasier S.**, Volatile exposure on comet 67P, Rosetta Science Working Team meeting, September 2019
22. **Fornasier S.**, M.A. Barucci, C. Dalle Ore, The Kuiper Belt as the Context for Pluto. Congrès : Pluto System After New Horizons, 14-18 juillet 2019, APL, Laurel, Maryland (USA).
23. **Fornasier S.**, The 67P/C-G nucleus composition and its evolution over time. Comet 67P Nucleus Workshop, Asiago (Italy), 24-26 Juin 2019.
24. **Fornasier S.**, Comet 67P/CG nucleus composition & photometric properties highlights. Rosetta team workshop on "Rosetta results : bigger picture", Catane Observatory, Italy, 19 Juin 2018
25. **Fornasier S.**, Volatile Exposure in Anhur region of 67P comet. OSIRIS full Team meeting, 21 juin 2018, Catania Diocesan Museum, Catane, Italie
26. **Fornasier S.**, Asteroids, Trojans and Transneptunians, JWST workshop, ESA-ESTEC, Leiden, 13-15 decembre, 2017

27. **Fornasier S.**, Surface composition and photometric properties of 67P/C-G comet from Rosetta/OSIRIS observations. Multi scale Planetary Science Workshop, Paris Observatory, 21-22 juin 2017
28. **Fornasier S.**, 'Short lifetime outburst on 67P comet at perihelion', OSIRIS full Team meeting, 22-24 May 2017, Torrejon, Madrid, Spain.
29. **Fornasier S.**, Highlights from the ESA Rosetta mission. Bejiin Institute of Technology (BIT) Workshop, Paris, 12 mai 2017
30. **Fornasier S.**, The 67P/Churyumov-Gerasimenko nucleus spectroscopic properties and their evolution over time. Conférence : "Comets : A new vision after Rosetta/Philae", 14-18 Novembre 2016, Toulouse, France
31. **Fornasier S.**, Seasonal and diurnal color and composition variations of the 67P nucleus. Conférence : From Giotto to Rosetta : 30 years of cometary science from Space and Ground, Padova, 27-29 Octobre 2016
32. **Fornasier S.**, & OSIRIS Team, Evolution of global 67P/CG comet nucleus observed by the OSIRIS instrument onboard Rosetta. Science Working meeting, Rosetta mission, June 2016, Milton Keynes, UK
33. **Fornasier S.**, Lantz, M.A. Barucci , D. Perna. Aqueous and space weathering alteration processes on primitive asteroids : results from telescopic observations. Workshop 'The nature of the dark primitive asteroids : preparation of Osiris-Rex and Hayabusa 2 missions', CIAS, 25-27 May 2016, Meudon, France
34. **Fornasier S.**, C. Feller, et al., 2015. 67P nucleus composition & photometric properties. OSIRIS Full Team Meeting, Padova, Nov. 2016
35. **Fornasier S.**, Barucci M.A. : exposed water ice on 67P comet. Rosetta OSIRIS and VIRTIS joint meeting, Berlin, 24-26 Nov. 2015
36. **Fornasier S.**, Hasselmann, P., Barucci, M.A., 2014. Color variations and photometric properties of the 67P nucleus. OSIRIS Full Team Meeting, MPS, Gottingen, oct. 2014
37. **Fornasier S.**, C. Feller, et al., Colors of the 67P nucleus southern hemisphere and morphological changes. OSIRIS Full Team Meeting, MPS, Gottingen, July 2014
38. **Fornasier S.**, F. Merlin, B. Carry, Caractérisation physico-chimique des objets du système solaire en photométrie et spectroscopie, ELT scientific workshop, Meudon, 22 May 2014
39. **Fornasier S.**, A. Alvarez, D. Lazzaro, Snodgrass C., Carvano J.M., Jimenez-Teja Y, Silva S., 2014. Constraints on Chariklo physical properties : results from HERSCHEL and SOAR observations. Workshop on Chariklo rings, 26-27 March 2014, Meudon
40. **Fornasier S.**, Lellouch E, T. Mueller and the TNO's are Cool Team, 2013. TNOs are Cool : A survey of the trans-Neptunian region. Results from the PACS and SPIRE observations with the HERSCHEL space observatory. CODAM workshop, Paris, Jan. 2013.
41. **Fornasier S.**, Report on the MARCOPOLO-R remote sensing payload working group. "International Symposium : "Astrobiological and cosmochemical implications of Marco Polo-R sampling of a primitive asteroid Barcellona, Spain, 17 January 2013
42. **Fornasier S.**, Lantz, C., Barucci, M.A., Aqueous alteration on minor bodies of the solar System, GAIA conference, Nice June 2013
43. **Fornasier, S.**, Lantz, C., & Barucci, M.A., 2013, Aqueous alteration on primitive asteroids, OSIRIS-REx Science Team Meeting IV

44. **Fornasier S.**, Belskaya, I., 2013. Polarimetric observations of 2867 Steins and 21 Lutetia, targets of the Rosetta mission : groundtruth from the Rosetta fly-bys. Polarimetry of Planetary Systems, Florence, Sept. 2013
45. **Fornasier, S.**, Barucci, M.A., Fulchignoni, M., 2012. Asteroids 2867 Steins and 21 Lutetia : results from groundbased observations and from the Rosetta fly-bys. 1970-2010 : The Golden Age of Solar System Exploration. Rome, Sept. 2012
46. **Fornasier, S.**, Mottola, S., Barucci, M.A., Sierks, H., Hviik, S., 2012. Asteroid 4 Vesta observed from OSIRIS-ROSETTA. OSIRIS full team meeting, Padova, March 2012.
47. **Fornasier, S.**, 2011. Photometric calibrations of the OSIRIS-imaging system. OSIRIS calibration workshop, Paris, March 2011
48. **Fornasier S.**, Barucci A., Belskaya I., Fulchignoni M.. A portrait of the Rosetta targets 2867 Steins and 21 Lutetia. In European Planetary Science Congress (EPSC) 2010, 19-25 Sept, 2010, Rome
49. **Fornasier S.** & the Rosetta-OSIRIS Team, 2010. Surface Physical properties of (21) Lutetia : results from OSIRIS observations during the Rosetta fly-by. In Regolith on Solar System bodies, 1-3 Decembre 2010, Paris
50. **Fornasier S.**, Lara, L., de Leon, J, Barucci, M.A., Leyrat, C., 2010. Lutetia surface physical properties, Osiris fly-by working team meeting, Padova, Septemer 2010.
51. **Fornasier S.**, 2008. Steins surface mineralogical investigation : comparison with E type asteroids, meteorites and laboratory data, in OSIRIS-Rosetta fly-by working team meeting, Marseille, 30 June-1 July 2008.
52. **Fornasier, S.**, Barucci M.A., Fulchignoni, M., Dotto, E., Lamy, P., Jorda, L., Groussin, O., Brucato, J., Carvano, J., Cruikshank, D., 2007. Surface composition of 2867 Steins and 21 Lutetia, Rosetta 22th Science Working Team, ESTEC, 26-28 March 2007.
53. **Fornasier, S.**, Marzari, F., Dotto, E., Barucci M.A., Migliorini A. Spectroscopic investigation of E-type asteroids : are 2867 Steins and NEA 3103 Eger remnants of an old asteroid family ? ESA-Asteroid Flyby science workshop, Athens, 22-24 Octobre 2007
54. **Fornasier S.**, 2007. WAC Straylight analysis, OSIRIS-Rosetta Full Team Meeting, Lindau, Alemagne, 22-26 February 2007.
55. **Fornasier, S.**, Barbieri, C., 2006. Lunar, Asteroidal and KBO occultations. In A quantum Astronomy Instrument for the OverWhelmingly Large (OWL) telescope of the European Southern Observatory (ESO)", 22-23 March 2005, Padova, Italie
56. **Fornasier S.**, 2006. The Rosetta target 2867 Steins and the E-type asteroids. Asteroids and Resonances Open Problems and Perspectives, Commemorative workshop for the 70th anniversary of Professor Sylvio Ferraz Mello, 25-28 Septembre 2006, CIAS, Meudon

1.4. Présentations orales aux congrès/Oral talks at conferences

Pour les présentation invitées voir la section 1.3.

1. Lazzarin M., **Fornasier, S.**, Barbieri C., Barucci A., 1999. Spectroscopic comparison of aqueous altered asteroids with CM2 carbonaceous chondrite meteorites. Meeting Asteroids, Comets and Meteors, Cornell University, Ithaca, NY, July 1999.
2. Cremonese G., Barbieri C., Baruffolo A., Bernardi F., **Fornasier, S.**, Ghedina A., Lazzarin M., Marchetti E., Ragazzoni R., 1999. Speckle interferometry of asteroids with the

- 3.5m TNG. Meeting Asteroids, Comets, Meteors, Cornell Univ., Ithaca, New York, July 1999.
3. Barbieri C., Cremonese, G., **Fornasier, S.**, Lazzarin M., Marchi S., Ragazzoni R., Rampazzi F., Verani S., Benn C., Mendillo M., Baumgartner J., Wilson J., Chakrabarti S., Dolci M., 2000. LUNAM (Lunar Atmosphere Mission). Conference Earth-Moon Relationships, 8/10 November 2000, Accademia Galileiana - Padova, Italy. Earth-Moon relationships, Kluwer editions pag. 487-495
 4. Cremonese G., Achilli V., Barbieri C., Caporali A., Capria M. T., Colangeli L., Forlani, **Fornasier, S.**, Lazzarin M., Marzari F., Marinangeli L., Naletto G., Palumbo P., Ragazzoni R., Salemi G., Verani S., 2001. A Wide Angle Camera for Bepi Colombo. Workshop on Mercury : Space Environment, Surface, and Interior, October 4-5, 2001, abstract n. 8023.
 5. Barbieri C., Lazzarin M., Verani S., Rampazzi F., **Fornasier, S.**, Ragazzoni R., Cremonese G., Mendillo M., Baumgardner J., Chakrabarti S., Cook T., Wilson J., 2001. Lunam 2000 (Lunar Atmosphere Mission), ASI workshop on the International Space Station, Torino, Italy, May 2001.
 6. Lazzarin M., **Fornasier, S.**, Barucci M.A., Barbieri C., 2001. Low resolution spectroscopic survey of main belt asteroids : looking for aqueous alteration products. Asteroids 2001 : from Piazzì to the 3rd millenium, Palermo, Italy, June 2001.
 7. Lazzarin M., Di Martino M., Marchi S., **Fornasier, S.**, Barucci M.A., Dotto E., Barbieri C., 2001. Visible and Near Infrared Investigation of Near Earth Asteroids. Asteroids 2001 : from Piazzì to the 3rd millenium, Palermo, Italy, June 2001.
 8. Doressoundiram A., Peixinho N., Barucci M. A., **Fornasier, S.**, Blanco S., 2001. Meudon Multicolor Survey of Outer Solar System Objects. 33 Annual Meeting of the Division for Planetary Science of the A.A.S., I Bull. A.A.S., 33, 1201.
 9. Lazzarin M., Barbieri C., Marchi S., **Fornasier, S.**, 2002. Cofin 1998-2000 : Near Infrared spectroscopy of Near Earth Objects, meeting SAIT, 10-12 April 2002, Padova.
 10. Peixinho N., Doressoundiram A., De Bergh C., **Fornasier, S.**, Thebault P., Barucci M. A., Veillet, C., 2002. Meudon Multicolor Survey of Outer Solar System Objects : Trends and Correlations. Meeting Asteroids, Comets, Meteors, Berlin, Germany, July 2002.
 11. Lazzarin M., Marchi S., Barucci M.A., **Fornasier, S.**, Barbieri C., 2002. Visible and Near Infrared Spectroscopy of Near Earth Objects. Meeting Asteroids, Comets, Meteors, Berlin, Germany, July 2002.
 12. Barucci M. A., Boehnhardt H., de Bergh C., Dotto E., Doressoundiram A., Lazzarin M., Romon J., Tozzi G. P., **Fornasier, S.**, Barrera L., Birkle K., Delsanti A., Hainaut O., Meech K., Ortiz J. L., Sekiguchi T., Thomas N., Watanabe J., West R. M., 2002. Visible and Infrared spectroscopy of Centaurs and TNOs. from ESOs Large Programme. Meeting Asteroids, Comets, Meteors, Berlin, Germany, July 2002.
 13. **Fornasier, S.**, Barucci M. A., Binzel R. P., Birlan M., Fulchignoni M., Barbieri C., Bus S. J., Harris A. W., Rivkin A. S., Lazzarin, M., Dotto, E., Erikson A., Michalowsky T., Doressoundiram A., Bertini I., Peixinho N., 2002. Spectrophotometric observations of 4979 Otawara, target of the Rosetta space mission. 34 Annual Meeting of the Division for Planetary Science of the A.A.S., I Bull. A.A.S., 34, 1411.
 14. Barucci M. A., Boehnhardt H., Dotto E., Lazzarin M., Romon J., de Bergh C., Doressoundiram A., Tozzi G. P., **Fornasier, S.**, Davies J., Peixinho N., Barrera L., Birkle K.,

- Delsanti A., Hainaut O., Meech K., Ortiz J. L., Sekiguchi T., Thomas N., Watanabe J., West R. M., 2002. ESO Large Program : Results from Visible and Infrared spectroscopy of Centaurs and TNOs. 34 Annual Meeting of the Division for Planetary Science of the A.A.S., 1 Bull. A.A.S., 34, 707.
15. Barucci M. A., Boehnhardt H., Doressoundiram A., Dotto E., de Bergh C., Tozzi G. P., Lazzarin M., **Fornasier, S.**, Davies J., Delsanti A., LP Team, 2003. Visible and near-infrared spectroscopy of Centaurs and TNOs : update of the ESO Large Program. 35 Annual Meeting of the Division for Planetary Science of the A.A.S., 1 Bull. A.A.S., 35, 39.02.
 16. Fulchignoni M., Barucci A., **Fornasier, S.**, Dotto E., Vernazza P., Birlan M., Carvano J. M., Merlin F., Belskaya I. 2867 Steins and 21 Lutetia : the Rosetta mission asteroid targets. In Bulletin of the American Astronomical Society. 2004, vol. 36, pp. 1130
 17. Dotto E., **Fornasier, S.**, Barucci A., Licandro J., Boehnhardt H., Hainaut O., Marzari F., De Bergh Catherine, De Luise F. Jupiter Trojans : a Survey of Members of Dynamical Families. In Bulletin of the American Astronomical Society. 2005, vol. 37, pp. 623
 18. Barucci A., Cruikshank D. P., Dotto E., Merlin F., Poulet F., Dalle Ore C., **Fornasier, S.**, De Bergh C.. Nitrogen and Methane Ices on the Surface of Sedna ?. In Bulletin of the American Astronomical Society. 2005, vol. 37, pp. 744
 19. Birlan M., Vernazza P., Barucci M. A., Fulchignoni M., Binzel R. P., Bus S. J., **Fornasier, S.**, 2003. Near-IR spectroscopy of new asteroid targets for the Rosetta mission. 35 Annual Meeting of the Division for Planetary Science of the A.A.S., 1 Bull. A.A.S., 35, 34.14.
 20. Vernazza P., Fulchignoni M., Birlan M., Dotto E., Rossi A., **Fornasier, S.**, Marzari F., Nesvorny D. Spectroscopic characterization of the Karin family. In Bulletin of the American Astronomical Society. 2005, vol. 37, pp. 644
 21. Keller H. U., Kuppers M., Hviid S., Sierks H., Barbieri C., **Fornasier, S.**, et al., 2005. Deep Impact observations by the scientific imaging system OSIRIS of the Rosetta mission. Bulletin of the American Astronomical Society, Vol. 37, p.709
 22. Dotto E., **Fornasier, S.**, Barucci A., Hainaut O., Boehnhardt H., Licandro J., Marzari F., De Bergh C., De Luise F. Jupiter Trojans : The Physical Properties Of Members Of Dynamical Families. In Bulletin of the American Astronomical Society. 2006, vol. 38, pp. 595
 23. Keller H. U., Kuppers M., Rengel M., **Fornasier, S.**, Cremonese G., Gutierrez P., Ip W. H., Knollenberg J., Jorda L. Observations of comet 9P/Tempel 1 around the Deep Impact event with the OSIRIS cameras on Rosetta. In 36th COSPAR Scientific Assembly. 2006, vol. 36, pp. 2
 24. **Fornasier, S.**, Barbieri, C., 2006. Lunar, Asteroidal and KBO occultations. In A quantum Astronomy Instrument for the Overwhelmingly Large (OWL) telescope of the European Southern Observatory (ESO)", 22-23 March 2005, Padova, Italie
 25. Kuppers M., Keller H. U., Hviid S. F., Mottola S., **Fornasier, S.**, Barbieri C., Barucci Antonella, Gutierrez P., Lamy P. L. Determination Of The Light Curve Of Rosetta Target Asteroid 2867 Steins With The Osiris Narrow Angle Camera Onboard Rosetta. In Bulletin of the American Astronomical Society. 2006, vol. 38, pp. 596
 26. **Fornasier S.**, 2006. The Rosetta target 2867 Steins and the E-type asteroids. Asteroids and Resonances Open Problems and Perspectives, Commemorative workshop for the 70th anniversary of Professor Sylvio Ferraz Mello, 25-28 Septembre 2006, CIAS, Meudon

27. Lamy P. L., Barucci A., Jorda L., Lowry S., Carvano Jorge M., **Fornasier, S.**, Groussin O., Kaasalainen M. Visible and infrared observations of Asteroid Steins, a target of the Rosetta mission. In 36th COSPAR Scientific Assembly. 2006, vol. 36, pp. 3351
28. **Fornasier S.**, 2007. WAC Straylight analysis, OSIRIS-Rosetta Full Team Meeting, Lindau, Allemagne, 22-26 February 2007..
29. Lamy P. L., Jorda L., **Fornasier, S.**, Kaasalainen M., Lowry S., et al. Visible and Infrared Observations of Asteroid 2867 Steins, a target of the Rosetta Mission. In Bulletin of the American Astronomical Society. 2006, vol. 38, pp. 59.09
30. Barucci A., Merlin F., Guilbert A., **Fornasier S.**, et al. Characterization of TNOs' Surface Properties : Preliminary Results of a Large VLT Programme. In AAS/Division for Planetary Sciences Meeting Abstracts. 2007, vol. 39, pp. 49.02
31. Vernazza P., Binzel R. P., Rossi A., Birlan M., **Fornasier, S.**, Fulchignoni M., Renner S., 2008. Physical Characterization of Very Young Asteroid Families. LPI Contribution 2008, vol. 1405, pp. 8044
32. **Fornasier, S.**, Migliorini A., Dotto E., Barucci M. A. 2008. Spectroscopic Survey of E-Type Asteroids, Including 2867 Steins, a Target of the Rosetta Mission. Asteroids, Comets, Meteors 2008 held July 14-18, 2008 in Baltimore, Maryland . LPI Contribution 2008, vol. 1405, pp. 8045
33. Lamy P. L., Barucci A., **Fornasier, S.**, et al.. A Portrait of Asteroid 2867 Steins from Visible and Infrared Observations with Ground- and Space-Based Telescopes. Asteroids, Comets, Meteors 2008 held July 14-18, 2008 in Baltimore, Maryland. LPI Contribution 2008, vol. 1405, pp.8163
34. Merlin F., Alvarez-Candal A., Delsanti A., Quirico E., Schmitt B., **Fornasier S.**, Barucci A., Demeo F., De Bergh C., Doressoundiram A. Icy Surface Properties of the Dwarf Planet Eris. Asteroids, Comets, Meteors 2008 held July 14-18, 2008 in Baltimore, Maryland. LPI Contributions, 2008, vol. 1405, pp. 8141
35. **Fornasier S.**, 2008. Steins surface mineralogical investigation : comparison with E type asteroids, meteorites and laboratory data, in OSIRIS-Rosetta fly-by working team meeting, Marseille, 30 june-1 July 2008.
36. McFadden L. A., A'Hearn M. F., Ammannito E., ..., **Fornasier, S.**, et al. Coordinated Laboratory Studies of Aubrite Meteorites for Rosetta flyby of Asteroid 2867 Steins. In Bulletin of the American Astronomical Society. 2008, vol. 40, pp. 509
37. Guilbert A., Barucci A., Brunetto R., ..., **Fornasier, S.**, et al. A Portrait of Centaur 10199 Chariklo. In AAS/Division for Planetary Sciences Meeting Abstracts. 2009, vol. 41
38. Perna D., **Fornasier S.**, Barucci A., et al. Colors and Taxonomy of Tnos and Centaurs. In AAS/Division for Planetary Sciences Meeting Abstracts. 2009, vol. 41
39. Barucci M.A., **Fornasier, S.**, Alvarez-Cantal A., De Bergh C., Merlin F., Demeo F., Dumas C. Surface Properties of TNOs : Preliminary Statistical Analysis. In AAS/Division for Planetary Sciences Meeting Abstracts. 2009, vol. 41
40. Clark B. E., Ziffer J., Nesvorny D., ..., **Fornasier, S.**, et al. Spectroscopy of B-Type Asteroids : Subgroups and Meteorite Analogs. In AAS/Division for Planetary Sciences Meeting Abstracts. 2009, vol. 41
41. De Bergh C., Barucci A., Merlin F., **Fornasier S.**, Doressoundiram A., Brunetto R., 2009. Carbonaceous Compounds at the Surface of Transneptunian Objects and Centaurs. 72nd

- Annual Meeting of the Meteoritical Society, July 13-18, 2009, Nancy, France. Published in *Meteoritics and Planetary Science Supplement.*, p.5102
42. Kuppers M., **Fornasier, S.**, Schroder S., et al., Photometric Properties of Asteroid (2867) Steins in the Near-UV to Near-IR Spectral Range from Images Obtained with the OSIRIS Cameras on Rosetta. In *AAS/Division for Planetary Sciences Meeting Abstracts*. 2009, vol. 41
 43. Dalle Ore C. M., Barucci A., Emery J. P., ..., **Fornasier, S.**, et al. Composition of KBO (50000) Quaoar. In *American Astronomical Society Meeting Abstracts*. 2009, vol. 214
 44. Barucci, M.A., Belskaya, I., deBergh, C., DeMeo, F., Dotto E., **Fornasier S.**, Merlin, F., Perna, D., 2010. Propriétés physiques des objets transneptunians. Colloque du Programme national de planétologie de l'INSU. 13-15 Septembre 2010 à Brest-Plouzané.
 45. **Fornasier S.**, Clark B. E., Dotto E., Migliorini A., Ockert-Bell M., Barucci A., 2010. Spectroscopic survey of M type asteroids. In *European Planetary Science Congress 2010*, 19-25 septembre 2010, Rome. EPSC abstracts, 2010
 46. **Fornasier, S.**, Barucci, M.A., Fulchignoni, M., Leyrat., C., 2011. The Rosetta mission : results from the 2867 Steins and 21 Lutetia fly-bys. *Planétologie et ExoPlanètes à Paris Diderot*, 9 novembre 2011, Paris
 47. DeMeo F., Barucci A., Alvarez-Candal A., De Bergh C., **Fornasier, S.**, Merlin F., Perna D., Belskaya I. Surface properties of icy transneptunian objects from the second ESO large program. In *IAU Symposium*. 2010, vol. 263, pp. 186-191
 48. Mueller, T., Lellouch, E., Kiss, C., Lim, T., **Fornasier S.**, Santos-Sanz, P., et al., 2011. Makemake : A truly exotic TNO ! EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p.1416
 49. Vilenius, E., Mueller, T., Santos-Sanz, P., ..**Fornasier S.**, et al., 2011. TNOs are Cool : Thermophysical modeling of a sample of 20 classical KBOs using Herschel/PACS. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p.1299
 50. Santos-Sanz, P., Kiss, C., Lellouch, E., ..**Fornasier S.** et al., 2011. Thermal lightcurve observations of TNOs with Herschel. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p.1099
 51. Mommert, M., Harris, A. W., Mueller, T., ..**Fornasier S.**, et al., 2011. TNOs are Cool : A Survey of the Transneptunian Region - Physical Characterization of 16 Plutinos using PACS observations. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p.906
 52. **Fornasier S.**, Lim, T., Mueller, T., Panuzzo, P., Santos-Sanz, P., et al. 2011. Sub-millimeter observations of Centaurs and TNOs from the Herschel space telescope. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p. 712
 53. Barucci, M. A., Alvarez-Candal, A., Merlin, F., Belskaya, I. N., de Bergh, C., Perna, D., DeMeo, F., **Fornasier S.**, 2011. Ices in Centaurs and Transneptunians. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p.473
 54. **Fornasier S.**, Clark, B. E., Dotto, E. 2011. The X-type asteroids : spectroscopic results. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p.472
 55. Lellouch, E., Santos-Sanz, P., Mommert, M., **Fornasier, S.**, et al., 2012. Thermal Properties Of Trans-neptunian Objects And Centaurs From Combined Herschel And Spitzer Observations. *AAS/Division for Planetary Sciences Meeting Abstracts*, 44, #402.04

56. Vilenius, E., Kiss, C., Mommert, M., .., **Fornasier, S.**, et al., 2012. TNOs are Cool : Analysis of Classical Kuiper Belt Objects from Herschel Space Observatory Data. AAS/Division for Planetary Sciences Meeting Abstracts, 44, 402.03
57. **Fornasier, S.**, Lellouch, E., Mueller, T., Panuzzo, P., Santos-Sanz, P., Lim, T., Kiss, C., Vilenius, E., Stansberry, J., Delsanti, A., Henry, F., Boehnhardt, H., Pal, A., Duffard, R., Barucci, A., 2012. TNOs are Cool : A survey of the trans-Neptunian region'. Results from the PACS and SPIRE observations with the Herschel Space Observatory. EGU General Assembly, Vienna 2012, p.2878
58. **Fornasier, S.**, Perna, D., Barucci, M.A., Merlin, F., Dotto, E., 2012. Spectroscopic investigation of asteroids belonging to the Themis and Beagle families. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-327
59. Trigo-Rodriguez, J., Moyano-Camero, C.E., Llorca, J., Barucci, M.A., **Fornasier, S.**, Belskaya, I., Binzel, R., Rivkin A.S., 2012. 21 Lutetia as the likely parent body of CH chondrites. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-181
60. Trigo-Rodriguez, J., Moyano-Camero, C.E., Llorca, J., Alonso-Azcárate, J., **Fornasier, S.**, Belskaya, I., Binzel, R., Rivkin A.S., 2012. IR reflectance spectra of pristine Antarctic CM chondrites to characterize Marco Polo-R mission target. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-192
61. Perna, D., Dotto, E., Barucci, M.A., **Fornasier, S.**, Alvarez-Candal, C., Gourgeot, F., Brucato, J.R., Rossi, A., 2012. UV-to-NIR spectroscopy of 1996 FG3. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-334
62. Barucci, M.A., Merlin, F., Perna, D., **Fornasier, S.**, deBergh, C., 2012. The reddest transneptunian objects. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-155
63. Perna, D., Merlin, F., Ieva, S., Barucci, M.A., Dotto, E., **Fornasier, S.**, Mazzotta-Epifani, E., 2012. Mapping the surface of the dwarf planet Makemake. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-340.
64. Duffard, R., Vilenius, E., Pinilla-Alonso, N., .. **Fornasier, S.**, et al., 2012. TNOs are Cool : A sample of 18 Centaurs observed with the Herschel Space Observatory. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-587
65. Santos-Sanz, P., Lellouch, E., Mommert, M. **Fornasier, S.**, et al., 2012. Thermal properties of Trans-Neptunian objects and Centaurs from combined Herschel and Spitzer observations. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madrid. EPSC abstracts, 2012-590.
66. Lantz, C., Brunetto, R., Clark, B.E., Barucci, M.A., & **Fornasier, S.**, 2013, Space weathering on carbonaceous chondrites, OSIRIS-REx Science Team Meeting IV
67. Lantz, C., **Fornasier, S.**, Barucci, M.A., 2013, Statistical study of aqueous alteration on primitive asteroids, 45th AAS DPS Meeting, 205.09
68. Lantz, C., Barucci, M.A., **Fornasier S.**, 2013, La mission MarcoPolo-R et les effets du « space weathering » sur les astéroïdes primitifs, Exobiologie Jeunes Chercheurs 2013
69. **Fornasier, S.**, Lantz, C., & Barucci, M.A., 2013, Aqueous alteration on primitive asteroids, OSIRIS-REx Science Team Meeting IV, Houston, June 2013.

70. **Fornasier, S.**, 2013. X-complex asteroids : results from groundbased spectroscopic survey. Asteroid spectroscopy in support to GAIA, Nice, June 2013
71. **Fornasier, S.**, Lantz, C., Barucci, M.A., 2013, Aqueous alteration on minor bodies of the Solar System. Asteroid spectroscopy in support to GAIA, Nice, June 2013
72. **Fornasier, S.**, Lellouch, E., Mueller, et al., 2013. Portrait of the Centaur 2060 Chiron : results from groundbased and Herschel observations. EPSC, London (EPSC2013-208), Sept. 2013
73. Lellouch, E., Santos-Sanz P., **Fornasier, S.**, et al., 2013. Pluto thermal light-curves as seen by Herschel. EPSC,London (EPSC2013-98), Sept. 2013
74. Duffard R. Pinilla-Alonso, N., Santos-Sanz, P., Vilenius, E., Ortiz, J., Mueller, T., **Fornasier S.**, Lellouch, E., Mommert, M., Pal, A, Kiss, C., Mueller, M., Stansberry, J., Delsanti, A., Peixinho, N., 2013. Centaurs as seen by Herschel/PACS. EPSC,London (EPSC2013-648), Sept. 2013
75. Lantz, C., **Fornasier, S.**, Barucci, M.A., 2013. Statistical study of aqueous alteration on primitive asteroids. American Astronomical Society, DPS meeting 45, 205.09, Denver, Colorado, Oct. 2013
76. Duffard, R. Pinilla-Alonso, N., Santos-Sanz, P., Vilenius, E., Ortiz, J., Mueller, T., **Fornasier S.**, Lellouch, E., Mommert, M., Pal, A, Kiss, C., Mueller, M., Stansberry, J., Delsanti, A., Peixinho, N., 2013. A Herschel-PACS view of 16 Centaurs. American Astronomical Society, DPS meeting 45, 508.04, Denver, Colorado, Oct. 2013
77. Stansberry, John A., Müller, T., Lellouch, E., Barucci, A., **Fornasier S.**, Kiss, C., Lacerda, P., Lim, T., Mommert, M., Ortiz, J., Pal, A., Santos-Sanz, P., Vilenius, E., Herschel "TNOs Are Cool!" Team, 2013. TNOs are Cool! Summary Results from the Herschel Key Programme. American Astronomical Society, DPS meeting 45, 508.05, Denver, Colorado, Oct. 2013
78. Ieva, S. Dotto, E., Perna, D., Barucci, M., Bernardi, F., **Fornasier S.**, De Luise, F., Perozzi, E., Rossi, A., Brucato, J., 2013. Surface composition of low delta-V near Earth asteroids, a survey of future targets for space mission. American Astronomical Society, DPS meeting 45, 205.12, Denver, Colorado, Oct. 2013
79. Vilenius, E., **Fornasier, S.**, Lellouch, E., Mueller, T., Santos-Sanz ,P, et al., 2013, TNOs are Cool" : A survey of the trans-Neptunian region. Results from the combined Herschel PACS and SPIRE observations of nine bright targets. AOGS 2013, 24-28 June, 2013, Brisbane, Australia
80. Vilenius, E., Mueller, T., **Fornasier, S.**, Mommert , M, Lellouch, E., et al., 2013. TNOs are Cool : Physical characterization of classical Kuiper belt objects from Herschel Space Observatory and Spitzer Space Telescope data. AOGS 2013, 24-28 June, 2013, Brisbane, Australia
81. **Fornasier, S.**, Lellouch, E., Mueller, T. et al., 2013. TNOs are Cool : A survey of the trans-Neptunian region. Results from the combined Herschel PACS and SPIRE observations of 9 bright targets at 70-500 micron. The Universe Explored by Herschel symposium, ESTEC, Noordwijk, Oct. 2013
82. Mueller T., Vilenius, E., Kiss, E., ..**Fornasier, S.**,and the TNOs are Cool team, 2013. Herschel's view on the cool TNOs. The Universe Explored by Herschel symposium, ESTEC, Noordwijk, Oct. 2013

83. Moyano-Cambero, C. E., Trigo-Rodríguez, J. M., Llorca, J., **Fornasier S.**, Barucci, M. A. 2014. Asteroid 21 Lutetia as a Possible Source of CH Carbonaceous Chondrites. 77th Annual Meeting of the Meteoritical Society, held September 7–12, 2014 in Casablanca, Morocco. LPI Contribution No. 1800, id.529
84. Thomas, N., Sierks, H., Barbieri, C., **Fornasier S.**, et al., 2014. Comet 67P/Churyumov-Gerasimenko : First science results by Rosetta/OSIRIS. American Astronomical Society, DPS meeting #46, #100.01
85. Leyrat, C, Barucci, M.A., **Fornasier S.**, et al., 2014. Albedo and color variegations on 67P/Churyumov-Gerasimenko as observed by OSIRIS/Rosetta. American Astronomical Society, DPS meeting #46, #100.02
86. **Fornasier, S.**, Leyrat, C., Hasselmann, P. 2014. The 67P/Churyumov-Gerasimenko comet : colors, albedo variations, and inhomogeneities of the nucleus from the Rosetta/OSIRIS instrument. European Planetary Science Congress 2014 07 - 12 September 2014, Cascais, Portugal, EPSC2014-412
87. **S. Fornasier**, I. Belskaya, and D. Perna , 2014. The Potentially Hazardous Asteroid 2007 PA8 : a fresh L chondrite analogue. European Planetary Science Congress 2014 07 - 12 September 2014, Cascais, Portugal, EPSC2014-142
88. C. Tubiana, C. Snodgrass, J. Agarwal, **S. Fornasier**, C. Guettler, F. La Forgia, M. Lazzarin, S. Magrin, S. Mottola, H. Sierks, and the OSIRIS team, 2014 67P/Churyumov-Gerasimenko : Activity between March and July 2014 as observed from Rosetta/OSIRIS. European Planetary Science Congress 2014 07 - 12 September 2014, Cascais, Portugal, EPSC 2014-385
89. **Fornasier, S.**, & the TNOs are Cool Team, 2014. 'Observations des objets transneptuniens avec Herschel : l'émissivité et les gros objets. SF2A, Paris, June 2014
90. M. Massironi, G. Cremonese, L. Giacomini, M. Pajola, S. Marchi, S. Besse, N. Thomas, J.-B. Vincent, M.A. Barucci, I. Bertini, F. Ferri, **S. Fornasier**, M. Lazzarin, S. Magrin, M.F. A'Hearn, F. Marzari, C. Snodgrass, G. Naletto, C. Barbieri, and H. Sierks, 2014. First geological mapping of 67P/Churyumov-Gerasimenko nucleus from Rosetta mission. European Planetary Science Congress 2014 07 - 12 September 2014, Cascais, Portugal, EPSC2014-595
91. Lantz, C., Barucci, M.A., **Fornasier, S.**, & Brunetto, R., 2014, Le « space weathering » sur les astéroïdes les plus primitifs : état de l'art et perspectives, colloque PNP 2014
92. P. Santos-Sanz, E. Lellouch, J.L. Ortiz, Cs. Kiss, Th. Müller, E. Vilenius, J. Stansberry, **S. Fornasier**, T. Lim, R. Duffard, P. Lacerda, and A. Thirouin, 2014. Thermal short-time variability of Kuiper Belt Objects observed with Herschel. European Planetary Science Congress 2014 07 - 12 September 2014, Cascais, Portugal, EPSC2014-187
93. **Fornasier, S.**, Perna, D., Lantz, C., Barucci, M.A., 2014. The Themis-Beagle families : Investigation of space-weathering processes on primitive surfaces. Asteroids, Comets, Meteors conference, Helsinki 2014
94. **Fornasier, S.**, D., Lantz, C., Barucci, M.A., Lazzarin, M., 2014. Etude du processus d'altération aqueuse sur les astéroïdes primitifs. Programme National de Planétologie, Paris, 1-3 octobre 2014
95. Thomas, N., Sierks, H., Barbieri, C., Lamy, P., Rodrigo, R., Rickman, H., Koschny, D., Keller, H.U., Agarwal, J., A'Hearn, M., Angrilli, F., Auger, A.T., Barucci, M.A., Bertaux, J.L., Bertini, I., Besse, S., Bodewits, D., Cremonese, G., Da Deppo, V., Davidsson, B.,

- De Cecco, M., Debei, S., El-Maarry, M., Ferri, F., **Fornasier, S.**,...et autres 34 auteurs, 2015. Comet 67P/Churyumov-Gerasimenko : First science results by Rosetta/OSIRIS. American Astronomical Society, DPS meeting #46, 100.01
96. Leyrat, C. Barucci, M.A., **Fornasier, S.**, Sierks, H. Hasselmann, P. Besse, S. et 23 co-auteurs, 2014. Albedo and color variegations on 67/P Churyumov-Gerasimenko as observed by OSIRIS/Rosetta. American Astronomical Society, DPS meeting #46, 100.0
 97. DeSanctis, M.C, Capaccioni, F., Filacchione, G., Erard, E., Tosi, F., Ciarniello, M., Raponi, A., Piccioni, A., Bockelee-Morvan, D., Leyrat, C., **Fornasier, S.**, 2014. Rosetta/VIRTIS-M spectral data : Comet 67P/CG compared to other primitive small bodies. AGU meeting, decembre 2014, P41C-3949
 98. Sierks H., Barbieri C., Lamy L., Rodrigo R., Koschny D., Rickman H., Keller H.U., Agarwal J., A'Hearn M., Angrilli F., Auger A.T., Barucci M.A., Bertaux J.L, Bertini I., Besse S., Bodewits D., Capanna C., Cremonese G., Da Deppo V., Davidsson B., Debei S., De Cecco M., Ferri F., **Fornasier S.**, et autres 42 auteurs, 2015. Comet 67P/Churyumov-Gerasimenko - First Science Results by Rosetta/OSIRIS, AGU meeting, decembre 2014, P32B-02
 99. Hviid, S., Knollenberg, J., Preusker, F., Mottola, S., Kuhrt E., Schroeder S., Jorda, L., **Fornasier, S.**, et 9 co-auteurs, 2014. Color Variegation on 67P/Churyumov-Gerasimenko, AGU meeting, decembre 2014,P41C-3942
 100. Besse, S., **Fornasier, S.**, Sierks, H., et autre 14 auteurs, 2014, 67P/Churyumov-Gerasimenko Spectrophotometric Properties, AGU meeting, decembre 2014, P41C-3938
 101. **Fornasier, S.**, Hasselmann, P., Barucci, M.A., et al., 2015, Spectro-photometric properties of the 67P nucleus, OSIRIS full Team meeting, Granada, 17-20 Feb. 2015
 102. **Fornasier, S.**, Hasselmann, P., Barucci, M.A., Feller, C., et al., 2015, Photometric properties, spectrophotometry, and colors of the 67P nucleus from the OSIRIS instrument, ROSETTA Science Working Team meeting, ESTEC, 2-6 March 2015.
 103. Barucci, M.A., Lantz, C., **Fornasier, S.**, et al., 2016, Effects of space weathering on asteroids' surfaces, EWASS 2016
 104. **Fornasier, S.**, Perna, D., Lantz, C., Barucci, M. A. 2015. The Themis-Beagle families : clues into space weathering processes on primitive asteroids. EPSC meeting 2015, Nantes, 27 septembre - 2 octobre 2015
 105. Lantz, C., Brunetto, R., Barucci, M.A., **Fornasier S.**, et al., 2016, Space weathering of primitive bodies : from laboratory measurements to space missions, DPS, Pasadena, 2016
 106. Lantz, R. Brunetto, M.A. Barucci, & **S. Fornasier**, Space weathering of primitive bodies : How to prepare next missions. The nature of the dark primitive asteroids : preparation of OSIRIS-REx and Hayabusa-2 missions, Meudon, 24-26 May2016
 107. M.A. Barucci, D. Lazzaro, **S. Fornasier**, C. Lantz, & D. Perna, Hints on water in primitive asteroids COMmittee on SPace Research symposium, Foz do Iguaçu, 9-13 novembre 2015
 108. Barucci, M. A., **S. Fornasier**, and 16 colleagues 2016. Bright ice spots on the nucleus of comet 67P/Churyumov-Gerasimenko as observed by Rosetta OSIRIS and VIRTIS instruments. 41st COSPAR Scientific Assembly 41,
 109. M.A. Barucci, C. Lantz, **S. Fornasier**, F. Merlin, D. Perna, M. Fulchignoni, & A. Cous-tenis. Effects of space weathering processes on asteroids surface. European Week of Asto-nomy and Space Science, Athènes, 4-8 July 2016

110. Prasanna Deshapriya, J.D., Barucci, M.A., **Fornasier, S.**, Feller, C., Hasselmann, P. H., Sierks, H., Ramy El-Maarry, M., OSIRIS Team 2016. Spectrophotometry of the Khonsu region on the comet 67P/Churyumov-Gerasimenko in the context of OSIRIS images. AAS/Division for Planetary Sciences Meeting Abstracts 48, 116.11.
111. Jost, B., Pommerol, A., Poch, O., **Fornasier, S.**, Hasselmann, P. H., Feller, C., Carasco, N., Szopa, C., Thomas, N. 2016. Interpretation of surface properties of comet 67P/Churyumov-Gerasimenko using bidirectional reflectance studies of laboratory cometary analogs. AAS/Division for Planetary Sciences Meeting Abstracts 48, 201.06.
112. Feller, C., **Fornasier S.**, and 11 colleagues 2016. OSIRIS' decimeter observations of comet 67P/Churyumov-Gerasimenko. AAS/Division for Planetary Sciences Meeting Abstracts 48, 300.04
113. **Fornasier, S.**, Mottola, S., Keller, H. U., Barucci, M. A., Davidsson, B., A'Hearn, M. F., Feller, C., Prasanna Deshapriya, J. D., Sierks, H., OSIRIS Team 2016. The 67P nucleus : seasonal and diurnal color variations from inbound orbits to the perihelion passage. AAS/Division for Planetary Sciences Meeting Abstracts 48, 300.05.
114. **Fornasier, S.**, 2016. The 67P/Churyumov-Gerasimenko nucleus spectroscopic properties and their evolution over time. Comets Symposium : A new vision after Rosetta and Philae, Toulouse 14-18 November 2016
115. El-Maarry, M. R., Groussin, O., Thomas, N., Pajola, M., Auger, A.-T., Davidsson, B., Hu, X., Hviid, S. F., Knollenberg, J., Güttler, C., Tubiana, C., Bodewits, D., **Fornasier, S.**, Sierks, H., 2017. Remarkable Surface Changes of Comet 67p/Churyumov-Gerasimenko's Nucleus Around Perihelion. 48th Lunar and Planetary Science Conference, held 20-24 March 2017, at The Woodlands, Texas. LPI Contribution No. 1964, id.2791
116. Barucci, M. A., **Fornasier S.**, Filacchione, G., and 7 colleagues 2017. Temporal Evolution of Ice Spots on the Nucleus of Comet 67P/Churyumov-Gerasimenko as Observed by Rosetta. Asteroids, Comets, Meteors - ACM2017 - 10th-14th April 2017, Montevideo.
117. Ciarniello, M., Filacchione, G., Capaccioni, F., Raponi, A., De Sanctis, M. C., Tosi, F., Migliorini, A., Piccioni, G., Cerroni, P., Capria, M. T., Erard, S., Bockelee-Morvan, D., Leyrat, C., Arnold, G., Barucci, M. A., Schmitt, B., Quirico, E., **Fornasier, S.**, Kappel, D., Longobardo, A., Rousseau, B., Mottola, S., 2017. Temporal Evolution of Comet 67P/Churyumov-Gerasimenko Surface Properties as Observed by VIRTIS-M from Pre-Perihelion to Post-Perihelion. Asteroids, Comets, Meteors - ACM2017 - 10th-14th April 2017, Montevideo
118. Birlan, M., Colas, F., Cochard, F., Carry, B., Vernazza, P., **Fornasier S.**, Perna, D., 2017. Technics for observing asteroids : SOVAG instrument. Asteroids, Comets, Meteors - ACM2017 - 10th-14th April 2017, Montevideo
119. Lucchetti, A., Pajola, M., **Fornasier, S.**, Mottola, S., Penasa, L., Jorda, L., Cremonese, G., Feller, C., Hasselmann, P., Massironi, M., Naletto, G., Deshapriya, P., 2017. Detailed analysis of Seth's circular niches on comet 67P Churyumov-Gerasimenko. 19th EGU General Assembly, EGU2017, proceedings from the conference held 23-28 April, 2017 in Vienna, Austria., p.13234
120. **Fornasier S.**, 'Geomorphology and composition of the Anhur region on 67P comet', OSIRIS full Team meeting, 22-24 May 2017, Torrejon, Madrid, Spain.
121. **Fornasier, S.**, Barucci M.A., Mottola., S., Keller, H. U., Feller, C., 2017. The 67P comet nucleus : evolution of the nucleus colors and composition driven by cometary activity. Asteroids, Comets, Meteors - ACM2017 - 10th-14th April 2017, Montevideo

122. Masoumzadeh, N., Sierks, H., Tubiana, C., Guettler, C., **Fornasier, S.**, Barucci, M. A., Jorda, L., Osiris Team 2017. Phase-ratio imagery of 67P/Churyumov-Gerasimenko at small phase angles using Rosetta-OSIRIS images. European Planetary Science Congress 11, EPSC2017-91.
123. Lucchetti, A., Pajola, M., **Fornasier S.**, and 10 colleagues 2017. Pre- and post-perihelion analysis of Seth's circular niches on comet 67P/Churyumov-Gerasimenko. European Planetary Science Congress 11, EPSC2017-133.
124. **Fornasier, S.**, Feller, C., Lee, J.-C., Ferrari, S., Massironi, M., Hasselmann, P. H., Deshapriya, J. D. P., Mottola, S., Barucci, M. A. 2017. Geomorphology and spectrophotometric properties of the highly active Anhur-Bes regions on the 67P/Churyumov-Gerasimenko comet. European Planetary Science Congress 11, EPSC2017-169.
125. Deshapriya, J. D. P., Barucci, M. A., **Fornasier, S.**, Feller, C., Hasselmann, P. H., Sierks, H., 2017. A global study of the bright features observed on comet 67P/Churyumov-Gerasimenko during the Rosetta mission. European Planetary Science Congress 2017, held 17-22 September, 2017 in Riga Latvia, id. EPSC2017-186
126. Hromakina, T., Perna, D., Merlin, F., Ieva, S., **Fornasier, S.**, Belskaya, I., Mazzotta Epifani, E. 2017. Spectroscopy of the dwarf planet Makemake. European Planetary Science Congress 11, EPSC2017-
127. El-Maarry, M. R., Groussin, O., Thomas, N., Pajola, M., Auger, A.-T., Davidsson, B., Hu, X., Hviid, S. F., Knollenberg, J., Guettler, C., Tubiana, C., Bodewits, D., **Fornasier, S.**, Sierks, H., 2017. Surface changes on comet 67P/Churyumov-Gerasimenko : How do comets evolve with time ? European Planetary Science Congress 2017, held 17-22 September, 2017 in Riga Latvia, id. EPSC2017-288
128. Agarwal, J., Della Corte, V., Feldman, P. D., Geiger, B., Merouane, S., Bertini, I., Bodewits, D., **Fornasier, S.**, Gruen, E., Hasselmann, P., et al., 2017. Multi-instrument observations of the 67P outburst of 3 July 2016. European Planetary Science Congress 2017, held 17-22 September, 2017 in Riga Latvia, id. EPSC2017-439
129. Güttler, C., Hasselmann, P. H., Li, Y., Fulle, M., Tubiana, C., Kovacs, G., Agarwal, J., Sierks, H., **Fornasier, S.**, Hofmann, M., 2017. Characterization of dust aggregates in the vicinity of the Rosetta spacecraft. European Planetary Science Congress 2017, held 17-22 September, 2017 in Riga Latvia, id. EPSC2017-93
130. Oklay, N., Mottola, S., Vincent, J.-B., Pajola, M., **Fornasier, S.**, 2017. Long-term survival of water-ice observed on comet 67P. European Planetary Science Congress 11, EPSC2017-364.
131. Belskaya, I., **Fornasier, S.**, Tozzi, G. P., Gil-Hutton, R., Cellino, A., Antonyuk, K., Krugly, Y., Dovgopoul, A., Faggi, S. 2017. Asteroid polarimetry as a tool to distinguish rare taxonomic types. European Planetary Science Congress 11, EPSC2017-412.
132. Barucci, M. A., Perna, D., Belskaya, I., Popescu, M., **Fornasier, S.**, Doressoundiram, A., Lantz, C., Merlin, F., Fulchignoni, M., 2017. NEOShield-2 project : Phase effects in NEA visible spectra. European Planetary Science Congress 2017, held 17-22 September, 2017 in Riga Latvia, id. EPSC2017-137
133. Pajola, M., Hofner, S., Vincent, J. B., Oklay, N., Scholten, F., Mottola, S., Naletto, G., **Fornasier, S.**, Lowry, S., Feller, C., 2017. The Aswan cliff collapse on comet 67P/Churyumov-Gerasimenko. European Planetary Science Congress 2017, held 17-22 September, 2017 in Riga Latvia, id. EPSC2017-70

134. **Fornasier, S.**, Hoang, V. H., Hasselmann, P. H., Barucci, M. A., Feller, C., Prasanna Deshapriya, J. D., Keller, H. U., OSIRIS Team 2017. Linking surface morphology, composition and activity on the 67P/Churyumov-Gerasimenko's nucleus. OSIRIS-ROSETTA Full Team Meeting, Berlin, 23 November 2017.
135. **Fornasier, S.**, 2017. 'Evidence of exposure of volatiles other than water on 67P comet? The Anhur region from the target of opportunity observations. OSIRIS-ROSETTA Full Team Meeting, Berlin, 23 November 2017.
136. Barucci, M. A., Perna, D., **Fornasier, S.**, Doressoundiram, A., Lantz, C., Popescu, M., Merlin, F., Fulchignoni, M., 2017. NEOShield-2 Project : Final Results on Compositional Characterization of small NEOs. AAS/Division for Planetary Sciences Meeting Abstracts 49, 110.08.
137. **Fornasier, S.**, Hoang, V. H., Hasselmann, P. H., Barucci, M. A., Feller, C., Prasanna Deshapriya, J. D., Keller, H. U., OSIRIS Team 2017. Linking surface morphology, composition and activity on the 67P/Churyumov-Gerasimenko's nucleus. AAS/Division for Planetary Sciences Meeting Abstracts 49, 509.03.
138. Lellouch, E., Moreno, R., Müller, T., **Fornasier, S.**, Santos-Sanz, P., Moullet, A., Gurwell, M.A., Stansberry, J., Leiva, R., Sicardy, B., Butler, B., J., Boissier, J., 2018. The thermal emission of Centaurs and Trans-Neptunian objects at submm wavelengths from ALMA observations. AAS/Division for Planetary Sciences Meeting Abstracts 49, 216.07
139. Elmaarry, M. R., Groussin, O., Thomas, N., Pajola, M., Auger, A. T., Davidsson, B. J. R., Hu, X., Hviid, S. F., Joerg, K., Güttler, C., Tubiana, C., Bodewits, D., **Fornasier, S.**, Vincent, J. B., Sierks, H. 2018. How do the surfaces of comets evolve with time? Insights from Rosetta's two-year journey with 67P/Churyumov-Gerasimenko. American Geophysical Union, Fall Meeting 2017, abstract P51D-2638
140. **Fornasier S.**, Lellouch E., Muller T., and the 'TNOs are Cool' team, 2018. Thermal properties of bright Transneptunians and Centaurs from PACS and SPIRE observations at 70-500 micron with HERSCHEL. Conference : The transneptunian Solar System, Coimbra, Portugal, 26-29 March 2018
141. Muller, T., Vilenius, E., Kiss, C., Lellouch E., Santos-Sanz, P., Duffard R., **Fornasier S.**, and the 'TNOs are Cool' team, 2018. 'TNOs are Cool' : Herchel Survey of the Trans-Neptunian Population. Conference : The transneptunian Solar System, Coimbra, Portugal, 26-29 March 2018
142. Lellouch E., Muller, T., **Fornasier S.**, and the 'TNOs are Cool' team, 2018. Transneptunian Objects at thermal wavelength : thermophysical and emissivity properties. Conference : The transneptunian Solar System, Coimbra, Portugal, 26-29 March 2018
143. Vilenius, E., Stanberry J, **Fornasier S.**, and the 'TNOs are Cool' team, 2018. Physical properties of Haumea family observed at far-infrared wavelength. Conference : The transneptunian Solar System, Coimbra, Portugal, 26-29 March 2018.
144. **Fornasier, S.**, Hoang, Van H., Hasselmann, P. H., Feller, C., Barucci, M. A., Prasanna Deshapriya, J. D., 2018. Linking surface morphology, composition and activity of the 67P/Churyumov-Gerasimenko's nucleus. Rosetta Science workshop and SWT 49, 28 May-1 June 2018, Rhodes, Greece
145. Feller, C., **Fornasier, S.**, Hasselmann, P. H., Barucci, M. A., Prasanna Deshapriya, J. D., Sierks, H., 2018. Colours, spectral slopes and phase curves of 67P/C.G.'s nucleus as observed by Rosetta/OSIRIS. Rosetta Science workshop and SWT 49, 28 May-1 June 2018, Rhodes, Greece

146. Prasanna Deshapriya, J. D., Barucci, M. A., **Fornasier, S.**, Hasselmann, P. H., Feller, C., Fulchignoni, M., 2018 Mapping of exposed bright features on the comet 67P/Churyumov-Gerasimenko. Rosetta Science workshop and SWT 49, 28 May-1 June 2018, Rhodes, Greece
147. Hasselmann, P. H., Barucci, M. A., **Fornasier, S.**, Feller, C., Prasanna Deshapriya, J. D., Hoang, Van H., 2018. Intense Morphological Changes in a cliff situated at the Khonsu region of 67P/Churyamov-Gerasimenko. Rosetta Science workshop and SWT 49, 28 May-1 June 2018, Rhodes, Greece
148. M.Pajola, H. Sierks, G. Naletto, P. L. Lamy, R. Rodrigo, D. Koschny, B. Davidsson, C. Barbieri, M. A. Barucci, J.-L. Bertaux, I. Bertini, D. Bodewits, G. Cremonese, V. De Deppo, S. Debei, M. De Cecco, **S. Fornasier**, et al., 2018. Insights into the morphology of comet 67P highlighting evolution and erosion depths. Rosetta Science workshop and SWT 49, 28 May-1 June 2018, Rhodes, Greece
149. **Fornasier, S.**, Barucci M.A., Perna D., Popescu M., Doressoundiram A., Merlin F., Fulchignoni M., Lantz C., 2018. La population des géocroiseurs de petite taille : composition et distribution. National program on Planetology, Colloque quadriennale de bilan et perspective du PNP, 5-7 septembre 2018.
150. **S. Fornasier**, D. Perna, M.A. Barucci, M. Popescu, A. Doressoundiram , F. Merlin, M. Fulchignoni, C. Lantz, 2018. The NEOSHIELD-2 project : results from the spectroscopic survey of small NEOs. EPSC conference, Berlin , septembre 2018
151. Perna, D. Fanasca, C. Ieva, S. Carruba, V. Dotto, E. Mazzota Epifani, E., **Fornasier, S.**, Dall’Ora, M., Hasselmann, P., Alvarez-Candal, A., 2018. The intriguing Tina asteroid family : a compositional investigation. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-1243
152. Prasanna D. J. D., Barucci, A., **Fornasier, S.**, Hasselmann, P., Feller, C., Sierks, H., 2018., Mapping and changes of exposed bright features on the comet 67P/Churyumov-Gerasimenko. Mapping and changes of exposed bright features on the comet 67P/Churyumov-Gerasimenko. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-1166
153. Ferrari, S. Feller, C., Massironi, M., Penasa, L., Cambianica, P., Naletto, G., **Fornasier, S.**, 2018. Geomorphological units of Khepry and Imhotep regions of comet 67P/Churyumov-Gerasimenko. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-927
154. Hasselmann, P.H., Barucci, M.A., **Fornasier, S.**, Bockelee-Morvan, D., Feller, C., Deshapriya, Prasanna, Hoang, V. 2018., Intense Morphological Changes in a dust bank situated at the Khonsu region of 67P/Churyumov-Gerasimenko. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-428
155. Feller, C, **Fornasier, S.**, Hasselmann, P.H., Barucci, M.A., Ferrari, S., Massironi, M., Deshapriya, P., 2018. Colours, albedos and spectral properties of the Khepry- Imhotep region of comet 67P as observed by Rosetta/OSIRIS during the April 2016 flyby. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-249
156. Ciarniello, M., Filacchione, G., Capaccioni, F., De Sanctis, M. C., Capria, M. T., Raponi, A., Tosi, F., Formisano, M., Longobardo, A., Rinaldi, G., Erard, S., Bockelee-Morvan, D.,

- Leyrat, C., Arnold, G., Barucci, M. A., Quirico, E., **Fornasier, S.**, Kappel, D., Rousseau, B., Mottola, S., 2018. The Seasonal Cycle of Water Ice at the Surface of Comet 67P/Churyumov-Gerasimenko as Observed by Virtis Onboard Rosetta. AOGS, 15th Annual Meeting, 03-08 June 2018, Honolulu, USA, abstract PS19-D5-AM1-304A-004 (PS19-A010)
157. Ferrari, S., Penasa, L., La Forgia, F., Massironi, M., Naletto, G., Lazzarin, M., **Fornasier, S.**, 2018. 67P/Churyumov Gerasimenko comet : investigation of spectrophotometric properties of the structural layers as from OSIRIS data. 20th EGU General Assembly, EGU2018, Proceedings from the conference held 4-13 April, 2018 in Vienna, Austria, p.15406
 158. Pajola, M., Lee, J. C., Ockay, N., Hviid, S. F., **Fornasier, S.**, Penasa, L., Mottola, S., Shi, X., Davidsson, B., Massironi, M., Naletto, G., Giacomini, L., Ip, W. H., Sierks, H., 2018. Multidisciplinary Analysis of the Hapi Region on Comet 67P/Churyumov-Gerasimenko. 49th Lunar and Planetary Science Conference 19-23 March, 2018, held at The Woodlands, Texas LPI Contribution No. 2083, id.1872
 159. **Fornasier, S.**, Hoang, Van H., Hasselmann, P. H., Feller, C., Barucci, M. A., Prasanna Deshapriya, J. D., 2018. Colors and morphology of sources of activity on 67P/Churyumov-Gerasimenko nucleus from OSIRIS/ROSETTA. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-808
 160. **Fornasier, S.**, Perna, D., Barucci, M. A., Popescu, M., Doressoundiram, A., Merlin, F., Fulchignoni, M., Lantz, C., 2018. The NEOSHIELD-2 project : results from the spectroscopic survey of small NEOs. European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-770
 161. **Fornasier, S.**, Boudelle de Micas, J., Hasselmann, P., Feller, C., 2018. Spectrophotometric and geomorphological evolution of the WOSRET region on comet 67P. OSIRIS full Team meeting, 21 June 2018, Catania Diocesan Museum, Catane, Italie
 162. **Fornasier, S.**, V. H. Hoang, P.H. Hasselmann, M.A. Barucci, C. Feller, J. D.P. Deshapriya, M. Fulchignoni and the OSIRIS Team, 2018. Linking surface morphology, composition and activity on the 67P/Churyumov-Gerasimenkos nucleus. Workshop ANR CLASSY, Grenoble, December 2018
 163. **Fornasier, S.**, 2019. Spectral diversity on Themis family members : heterogeneities in the parent body or space weathering effects? Congrès The Main Belt : A Gateway to the Formation and Early Evolution of the Solar System. Villasimius, Sardinia (Italy) 4-7 June 2019
 164. Delbó M., Avdellidou C., Bolin B., Deienno R., **Fornasier, S.**, Morbidelli A., Walsh, K., 2019. Observing planetesimals size distribution amongst main belt asteroids. Congrès The Main Belt : A Gateway to the Formation and Early Evolution of the Solar System. Villasimius, Sardinia (Italy) 4-7 June 2019
 165. H. V. Hoang, **Fornasier, S.**, 2019. Spectrophotometric characterization of the Philae landing site Abydos with the OSIRIS cameras. Workshop ANR CLASSY, Paris, 11-13 Juin 2019
 166. **Fornasier, S.**, H.V. Hoang, P.H. Hasselmann and the OSIRIS Team : “Volatiles exposures in the highly active Anhur-Bes regions on comet 67P”. Workshop ANR CLASSY, Paris, 11-13 Juin 2019
 167. **Fornasier, S.**, H.V. Hoang, P.H. Hasselmann and the OSIRIS Team : “Exposures of volatiles on comet 67P nucleus. 67P Nucleus Workshop, Asiago (Italy), 24-26 June 2019.

168. H. V. Hoang, **Fornasier, S.**, P. H. Hasselmann, E. Quirico : “Identification and characterization of active regions on the nucleus of comet 67P/Churyumov-Gerasimenko”. AOGS 2019, Singapore, 28 Juillet-3 Aout 2019
169. Delbo, M., Walsh, K., Avdellidou, C., **Fornasier, S.**, Deienno, R., Van Belle, G., Morbidelli, A., 2019. The search for the most ancient asteroid collisions reveals the original planetesimals of our solar system. EPSC-DPS Joint Meeting, Geneva (Switzerland), 15-20 Septembre 2019
170. Prasanna D., J. D., Barucci, A. M., Praet, A., **Fornasier, S.**, et al., 2019. Investigation of aqueous alteration features on the surface of (101955) Bennu using OSIRIS-REx data. EPSC-DPS Joint Meeting, Geneva (Switzerland), 15-20 Septembre 2019
171. Praet, A., Barucci, M.A., Merlin, F., ..**Fornasier, S.**,et al., 2019. Spatial variations in hydrated band depth on (101955) Bennu, using OVIRS reflectance spectra. EPSC-DPS Joint Meeting, Geneva (Switzerland), 15-20 Septembre 2019
172. Hasselmann, P.H., **Fornasier, S.**, Barucci, M.A., et al., 2019. Reflective surface texture through OCAMS and OVIRS on-board OSIRIS-REx : What can shadow effects tell us about the surface of (101955) Bennu ? EPSC-DPS Joint Meeting, Geneva (Switzerland), 15-20 Septembre 2019
173. Dalle Ore, C. M., Barucci, M. A., **Fornasier, S.**, Cruikshank, D. P., Grundy, W. M., Protopapa, S., 2019. Pluto Data Before and After New Horizons : The Takeaway for Future Observations. Pluto System After New Horizons, held 14-18 July, 2019 in Laurel, Maryland. LPI Contribution No. 2133, 2019, id.7040
174. Le Corre, L., Dellagiustina, D., Becker, K. J., ...**Fornasier, S.**, et al., 2019. Investigating Surface Color Variegation on Near-Earth Asteroid Bennu Using OSIRIS-REx Mapcam Data. 50th Lunar and Planetary Science Conference, held 18-22 March, 2019 at The Woodlands, Texas. LPI Contribution No. 2132, id.2794
175. H. V. Hoang, **S. Fornasier**, E. Quirico, P. H. Hasselmann, M. A. Barucci : “Spectrophotometric characterization of the Philae landing site Abydos with the OSIRIS cameras”. EPSC-DPS Joint Meeting, Geneva (Switzerland), 15-20 Septembre 2019
176. **Fornasier, S.**, C. Feller, P. H. Hasselmann, M.A. Barucci, the OSIRIS Team, 2019. Morphological and color changes on comet 67P/CG from high-resolution OSIRIS images, EPSC-DPS Joint Meeting, Geneva (Switzerland), 15-20 septembre 2019
177. **Fornasier, S.**, The Anhur region on 67P comet pristine exposure of volatiles, Rosetta SWT meeting, Estec, 23 septembre 2019
178. **Fornasier, S.**, Bennu phase spectral reddening investigation, OSIRIS-REX SAWG working group meeting, 4 Novembre 2019, Tucson, USA
179. O’Rourke, L., Müller, T., Biver, N., Bockelée-Morvan, D., Hasegawa, S., Valtchanov, I., Küppers, M., **Fornasier, S.**, Campins, H., Fujiwara, H., Teyssier, D., Lim, T., 2020. Low Water outgassing from (24) Themis and (65) Cybele –Implications on 3.1 micron water absorption spectra understanding. 14th Europlanet Science Congress 2020, held virtually, 21 September 2020 - 9 October, 2020, id. EPSC2020-719
180. Zou, X-D, Li, J.-Y., Clark, B., Golish, D., Ferrone, S., Simon, A., Reuter, D., Domingue, D., Kaplan, H., Barucci, M., **Fornasier, S.**, et al., The Global Average Disk-Resolved Photometric Properties of (101955) Bennu. 4th Europlanet Science Congress 2020, held virtually, 21 September 2020 - 9 October, 2020, id. EPSC2020-146

181. Barucci, M.A., Reess, J.-M., Bernardi, P., Nakagawa, H., Iwata, T., Nakamura, T., Dorressoundiram, A., **Fornasier, S.**, Le Du, M. et al. 2020. MMX JAXA Mission and MIRS Imaging Spectrometer. 14th Europlanet Science Congress 2020, held virtually, 21 September 2020 - 9 October, 2020, id. EPSC2020-111
182. Zou, X. -D., Li, J. -Y., Clark, B. E., Golish, D. R., Hamilton, V. E., Simon, A. A., Reuter, D. C., Howel, E. S., Ferrone, S., Emery, J. P., DellaGiustina, D. N., Hergenrother, C. W., Barucci, M. A., **Fornasier, S.**, Hasselmann, P. H., Bennett, C. A., Nolan, M. C., Barnouin, O. S., Lauretta, D. S., 2020. Global Photometry of Asteroid (101955) Bennu with OVIRS. 51st Lunar and Planetary Science Conference, held 16-20 March, 2020 at The Woodlands, Texas. LPI Contribution No. 2326, 2020, id.1048
183. Kaplan, H. H., Simon, A. A., Emery, J. P., Campins, H., Sandford, S. A., Reuter, D. C., Hamilton, V. E., Cloutis, E. A., **Fornasier, S.**, et al. 2020. Evidence of Organics and Carbonates on (101955) Bennu. 51st Lunar and Planetary Science Conference, held 16-20 March, 2020 at The Woodlands, Texas. LPI Contribution No. 2326, 2020, id.1050
184. **Fornasier, S.**, 2020. Etudes des géocroiseurs, meeting scientifique de l'axe fédérateur de l'Observatoire de Paris Environnement Spatial de la Terre : Recherche & Surveillance (ESTER), Observatoire de Paris, 21 février 2020.
185. **Fornasier, S.**, Bennu photometric properties and spectral phase reddening, OSIRIS-REX SAWG working group meeting, 15 July 2020, webinar.
186. Hromakina, T., Birlan, M., Barucci, M.A., Fulchignoni, M., Colas, F., **Fornasier, S.**, et al., 2021. NEOROCKS project : results from photometric survey of Near-Earth objects. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-114
187. Bourdelle de Micas, J., **Fornasier, S.**, Delbo, M., Avdellidou, C., Van Belle, G., 2021. A survey of Inner Main Belt planetesimals : composition and mineralogy . 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-198
188. Hromakina, T., Barucci, M.A., Belskaya, I., **Fornasier, S.**, Merlin, F., Praet, A., 2021. Investigation of the 3.4 μm absorption band in the spectra of low-albedo asteroids. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-199
189. Van Hoang, H., Quirico, E., **Fornasier, S.**, Poch, O., Beck, P., Schmitt, B., 2021. Frost on dark surfaces : Finding a possible link between spectrally blue spots and frost on the surface of comet 67P/Churyumov-Gerasimenko. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-261
190. O'Rourke, L., Mueller, T. G. ; Biver, N., Bockelée-Morvan, D., Hasegawa, S., Valtchanov, I., Kueppers, M., **Fornasier, S.**, Campins, H., Fujiwara, H., Teyessier, D., Lim, T., 2021. The 3.1 micron absorption feature on asteroids (24) Themis and (65) Cybele is not due to surface water ice. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-796
191. **Fornasier, S.**, Bourdelle de Micas, J. Hasselmann, P. H. ; Hoang, V.H., Barucci, M. A., Sierks, H., 2021. Differences between the small and big lobes of 67P/Churyumov-Gerasimenko comet revealed from highly eroded regions analysis. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021, EPSC2021-171
192. **Fornasier, S.** & MIRS team, 2022. Updates on MIRS instrument development and science. International MMX science meeting (5th), 14-16 mars 2022, held virtually
193. **Fornasier, S.**, 2022. Differences between the small and big lobes of comet 67P revealed from high eroded regions. ANR-CLASSY meeting, 24-25 mars 2022, IPAG-Grenoble.

194. **Fornasier, S.**, 2022. MIRS calibrations. MIRS-MMX team meeting, Observatoire de Paris, 23-24 juin 2022
195. **Fornasier, S.**, Hoang, Van Hong , Quirico, Eric, 2022. Extensive catalogue of exposures of volatiles on 67P/Churyumov-Gerasimenko comet nucleus revealed from the OSIRIS cameras onboard the Rosetta mission. 16th Europlanet Science Congress 2022, held 18-23 September 2022 at Palacio de Congresos de Granada, Spain. id.EPSC2022-109
196. Bourdelle de Micas, J., **Fornasier, S.**, Delbo, M., Avdellidou, C., Van Belle, G., Och-ner, P., 2022. Composition of Inner Main Belt Planetesimals. 16th Europlanet Science Congress 2022, held 18-23 September 2022 at Palacio de Congresos de Granada, Spain. id.EPSC2022-440
197. Ciarniello, M., Fulle, M., ...**Fornasier, S.**, et al. 2022. Seasonal evolution unveils the internal structure of cometary nuclei. 16th Europlanet Science Congress 2022, held 18-23 September 2022 at Palacio de Congresos de Granada, Spain. id.EPSC2022-105
198. Poggiali, G., Matsuoka, M., Barucci, M. A., **Fornasier, S.**, et al. 2022. Search for Phobos and Deimos spectroscopic analogs : Summary of remote sensing observations and new preliminary laboratory measurements. 16th Europlanet Science Congress 2022, held 18-23 September 2022 at Palacio de Congresos de Granada, Spain. id.EPSC2022-953
199. Hromakina, T., Birlan, M., Barucci, M. A., Fulchignoni, M., Colas, F., **Fornasier, S.**, et al. 2022. Updated dataset of NEOs surface colors obtained within the NEOROCKS project. 16th Europlanet Science Congress 2022, held 18-23 September 2022 at Palacio de Congresos de Granada, Spain. id.EPSC2022-364
200. Avdellidou, C., Delbo, M., Morbidelli, A., Walsh, K., Munaibari, E., Bourdelle de Micas, J., Devogele, M., **Fornasier, S.**, Gounelle, M., van Belle, G., 2022. On the discovery of the main belt source of the enstatite chondrites. 16th Europlanet Science Congress 2022, held 18-23 September 2022 at Palacio de Congresos de Granada, Spain. id.EPSC2022-422
201. Barucci, M.A., Reess, J.-M., Bernardi, P., **Fornasier, S.**, Doressoundiram, A., Sawyer, E., Le Du, M., Iwata, T., Nakagawa, H., Nakamura, T. 2022. Phobos and Deimos surface characterization by MIRS (MMX InfraRed Spectrometer). 44th COSPAR Scientific Assembly. Held 16-24 July, 2022. Abstract B1.1-0008-22.
202. Nakagawa, H., Barucci, M.A., Reess, J.-M., Bernardi, P., Doressoundiram, A., **Fornasier, S.**, Iwata, T., Gautier, T., Aoki, S., Ogohara, K., 2022. Transport processes of dust and water in the Martian atmosphere revealed by the MIRS : an imaging spectrometer for the MMX mission. 44th COSPAR Scientific Assembly. Held 16-24 July, 2022. Abstract C3.1-0005-22.
203. Fulchignoni, M., Barucci, M.A., Birlan, M., **Fornasier, S.**, Hromakina, T., Merlin, F., Poggiali, G., Potin, S., 2022. NEOROCKS PROJECT : Actions to Increase in a Significant and Coherent Way our Knowledge on the Largest Fraction of the NEO Population. 44th COSPAR Scientific Assembly. Held 16-24 July, 2022. Abstract B1.1-0005-22.
204. Avdellidou, C., Pajola, M., Lucchetti, A., Agostini, L., Delbo, M., Mazzotta E., Bourdelle de Micas, J., Devogele, M., **Fornasier, S.**, et al., 2022. Characterisation of the main belt asteroid (223) Rosa, a proposed flyby target of ESA's JUICE mission. 44th COSPAR Scientific Assembly. Held 16-24 July, 2022. Abstract B1.1-0062-22.
205. Avdellidou, C., Delbo, M., Morbidelli, A., Walsh, K., Munaibari, E., Bourdelle de Micas, J., Devogele, M., **Fornasier, S.**, Gounelle, M., van Belle, G., 2022. On the Discovery of the Main Belt Source of the Enstatite Chondrites. 85th Annual Meeting of The Meteoritical Society, held August 14-19, 2022 in Glasgow, Scotland. LPI Contribution No. 2695, id.6016

206. **Fornasier, S.** & MIRS team, 2022. MIRS high levels products. MMX mission team meeting, Sagamira, Japan, 21-23 novembre 2022.
207. **Fornasier, S.**, Hoang, Van Hong , Quirico, Eric, 2022. Extensive catalogue of exposures of volatiles on 67P/Churyumov-Gerasimenko comet nucleus revealed from the OSIRIS cameras onboard the Rosetta mission. 16th Europlanet Science Congress 2022, 18-23 septembre 2022, Granada, Spain. id.EPSC2022-109
208. Poggiali, G. , Wagnier, A. , Fossi, L. , Matsuoka, M. , Barucci, M. A. , Brucato, J. R. , Beck, P. , Nakamura, T. , **Fornasier, S.** , Doressoundiram, A. , Merlin, F. , Beccarelli, J. , Pajola, M. , Alberini, A., 2023. Phobos and Deimos Surface : Analog Laboratory Studies and Comparison with Available Data in Preparation for MMX-MIRS Observations. 54th Lunar and Planetary Science Conference, held 13-17 March, 2023 at The Woodlands, Texas and virtually. LPI Contribution No. 2806, id.1912
209. Doressoundiram, A. , Barucci, M. A. , Reess, J. -M. , Bernardi, P. , **Fornasier, S.** , Le Du, M. , Sawyer, E. , Piou, V. , Iwata, T. , Nakagawa, N. , Nakamura, 2023. Phobos Spectral Investigation with the MIRS Spectrometer On Board the Martian Moon eXploration (MMX) Mission. 54th Lunar and Planetary Science Conference, held 13-17 March, 2023 at The Woodlands, Texas and virtually. LPI Contribution No. 2806, id.1470
210. Bourdelle de Micas, J. , **Fornasier, S.**, Delbo, M. , Ferrone, S. , van Belle, G. , Ochner, P., 2023. Spectroscopic Characterization of a Primordial S-Type Family in the Inner Main Belt. 54th Lunar and Planetary Science Conference, held 13-17 March, 2023 at The Woodlands, Texas and virtually. LPI Contribution No. 2806, id.1455
211. R. Kokotanekova, M. Bannister, R. El-Maarry, **S. Fornasier**, A. Guilbert-Lepoutre, et al., 2023. THE LIFE CYCLE OF COMETS : OBSERVATIONAL EVIDENCE FROM COMETS AND RELATED POPULATIONS. Asteroids Comets and Meteors, Flagstaff, USA, 19-23 June 2023, abs. n. 2321
212. **Fornasier, S.**, V. Hong, M. Fulle, E. Quirico, M. Ciarniello, Volatile exposures on the 67P/Churyumov-Gerasimenko nucleus, Asteroids Comets and Meteors, Flagstaff, USA, 19-23 June 2023, abs n. 2090
213. Bourdelle de Micas, J. , **Fornasier, S.**, Delbò, M., Ferrone, S., van Belle, G., Ochner, P., Avdeliddou, C., 2023. Spectroscopic characterization of a primordial S-type family in the inner main belt. Division of Planetary Science 55th meeting, San Antonio, Texas (USA), 2-6 October 2023
214. **Fornasier, S.**, Wagnier, A., Hasselmann, P., 2023. Phobos photometric properties from Mars Express HRSC observations. Division of Planetary Science 55th meeting, San Antonio, Texas (USA), 2-6 October 2023
215. **Fornasier S.**, 2024. Ice on comets : Lessons learned from the Rosetta mission. IAU general assembly, Division F : Planetary Systems and Astrobiology, South Africa, 12 aug. 2024
216. **Fornasier S.**, et al., 2024. Size, albedo and rotational period of the Hayabusa2 target (98943) 2001 CC21 from SPITZER and groundbased observations. Europlanet Science Congress 2024, held 8-13 September, 2024 at Freie Universität, Berlin, Germany
217. Bernardi, P. ;, **Fornasier S.**, et al., 2024. Design and performance of MIRS infrared imaging spectrometer onboard MMX mission. Proceedings of the SPIE, Volume 13092, id. 130922J 15 pp. (2024).
218. Barucci, M. A. ; Bernardi, P. ; Reess, J. -M. ; Fornasier, S. et al., 2024. MIRS : MMX Infrared Spectrometer to Martian System. 55th Lunar and Planetary Science Conference,

held 11-15 March, 2024 at The Woodlands, Texas/Virtual. LPI Contribution No. 3040, id.1427

219. J. Beccarelli, ..**Fornasier S.**, et al., 2025. Phobos 0.4 – 2.5 micron spectral analysis of the red and blue units through the MarsExpress/OMEGA dataset. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
220. M.A. Barucci, T. Nakamura, **Fornasier S.** et al., 2025. To constrains the origin of Phobos and Deimos by MIRS/MMX imaging spectrometer. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
221. Martellato, S., **Fornasier S.**, et al., 2025. Activities of the Comet Interceptor Comet Environment Working Group. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
222. Vorburger, A., .., **Fornasier S.** et al., 2025. Pallas Interstellar : A Dual-Purpose Mission to a Primordial Asteroid and the Local Interstellar Medium. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
223. **Fornasier S.**, N. El-Bez-Sebastien, 2025. Jupiter Trojans spectrophotometry using GAIA DR3. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
224. N. El-Bez-Sebastien, **Fornasier S.** , 2025. Research of primordial asteroids in the main belt using the Gaia spectral catalog. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
225. C. Guttler, ..**Fornasier S.**, 2025. Proposal for the “Comet Surface Interaction” Mission CoSI. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.
226. , A. Wargnier, **Fornasier S.**, et al., 2025. Deimos photometric properties from Mars Express HRSC/SRC observations. Joint Europlanet Science Congress & DPS 2025, held 7-12 September 2025 at Helsinki.

1.5. Livres de vulgarisation scientifique/Popular science books

• Barbieri C., Molin G., Cremonese G., Fioretti A.M., **Fornasier S.**, Lazzarin M., Rampazzi F., 1999, Avvistamenti e impatti di corpi celesti, livre de vulgarisation scientifique sur La découverte et les impacts de corps célestes, éditeur : Direction de la culture de la région Veneto, Italie, 88 pages.

1.6. Science dissemination /press releases (past 7 years)

1. **Fornasier, S.** 2018. Portrait d'astéroïdes. Grande conférence publique 'Asteroid Day', Société astronomique de France, Telecom ParisTech, Paris, 30 juin 2018
2. **Fornasier, S.** 2018. À la recherche des origines : missions spatiales OSIRIS-REx et Hayabusa2. Grande conférence publique 'Asteroid Day', Société astronomique de France, Telecom ParisTech, Paris, 30 juin 2018
3. **Fornasier, S.** 2018. Rencontre avec une comète : la mission ROSETTA/PHILAE de l'ESA. Rencontres du Ciel et Espace, Association française d'astronomie, 3 Nov. 2018
4. **Fornasier, S.** 2018. Les astéroïdes géocroiseurs : origine de la vie sur Terre et dangers potentiels. Conférence pour l'Université du temps libre d'Essonne, 29/11/2018

5. **Fornasier, S.** 2019. Les Centaures et les transneptuniens : voyage aux confins du Système solaire. Conférences Sciences ouvertes, Université Paris Diderot, 05/03/2019
6. **Fornasier, S.** 2019 : Parrainage de 2 classes de CM2, école des Epinettes, Issy les Moulineaux et présentations sur l'astronomie et les météorites dans 2 classes de CM2, 5 décembre 2019.
7. Univ. Paris Diderot press communication : 67P comet revealed from Rosetta mission, Octobre 2019.
8. **Fornasier, S.** 2021 : L'exploration des comètes : la mission Rosetta/Philae de l'ESA, conférence pour étudiants du lycée (classes terminales et premières), 14 janvier 2020, Lycée Ionesco, Issy les Moulineaux
9. 2020 : 2 interviews for the scientific programme *Les Années lumière (light years)*, radio Radio-Canada, on *Asteroids monitoring* (Aug. 2020) and *Results on Bennu from OSIRIS-REX observations* (Oct. 2020)
10. interview for la Recherche journal on *Arrokoth origin explained by its bilobated shape* (mai 2020)
11. interview for BFMTV on *How scientists monitors asteroids*, 26 April 2020
12. interview for RCF radio on *Discovery of a second landing site of Philae*, Oct. 2020
13. interview for Futura Sciences *Philae imprint on a boulder reveal primordial ice* 1/11/2020
14. interview and contrintution for *Space exploration in all dimensions*, Trésor du Patrimoine éditionsm contribution on asteroids and sample return missions (Oct. 2020)
15. interview for Science and Technique journal, CNES, *Philae revels primordial ice*, 5/11/2020
16. Interview for Radio-Canada-Télévision on "The Philae adventures and the caracterization of the primordialice on comet 67P, Nov. 2020
17. **Fornasier, S.** 2021 : Les astéroïdes géocroiseurs : résultats des missions spatiales OSIRISREX et HAYABUSA2, Société Astron. de Bordeaux, conférence en ligne, 2 juin 2021
18. Press releases de l'Observatoire de Paris et de l'Université de Paris : Mission Rosetta : la comète 67P est bien un objet binaire , oct. 2021.
(<https://u-paris.fr/mission-rosetta-la-comete-67p-est-bien-un-objet-binaire>)
19. 2021 : interview sur *Space mission for asteroids studies*, Le Temps journal (Suisse)
20. Juin 2022 : rencontre avec des lycéens de l'Académie de Nancy-Metz pour discuter des carrières scientifiques et du parcours professionnel, dans le cadre du colloque de l'Institut Universitaire de France de Nancy
21. Participation à la fête de la science (2021, 2022) à l'Observatoire de Paris. Conférences sur « Les astéroïdes géocroiseurs »
22. Participation aux discussions sur le développement de l'IUF dans le cartable et à la mise en place et interventions des rencontres avec les lycéens
23. Conférence grand public sur Les astéroïdes géocroiseurs : résultats des missions spatiales OSIRISREX et HAYABUSA2, Société Astron. de Bordeaux, conférence en ligne, 2 juin 2021
24. Conférence sur Les astéroïdes géocroiseurs, dangers et atouts, Université du temps libre Essonne, France, 28 mars 2022
25. LESIA press communication : Water ice on comet 67P, May 2023

26. Invited press Conference Presenter at the Division of Planetary Science congress, on "Phobos photometric properties from MEX-HRSC camera observations, San Antonio, Texas, USA, 2 Oct. 2023.
27. Intervention au débat qui a suivi la projection du film « Alerte aux astéroïdes » dans le cadre du festival de film CinéScience à l'Université Paris Cité (28 nov. 2023)
28. 25 nov. 2023 : participation à la journée d'orientation pour les étudiants italophones du lycée Da Vinci et des lycées ESABAC (classes terminales et premières) organisée au lycée Da Vinci, Paris.
29. 16 nov. 2024 : participation à la journée d'orientation pour les étudiants italophones du lycée Da Vinci et des lycées ESABAC (classes terminales et premières) organisée au consulat d'Italie, Paris.
30. Conférences pour les étudiants du master M2 de planétologie sur « Actualité sur les petits corps du Système Solaire », septembre 2019, 2021, 2023 et 2024, Latmos, Sorbonne Université
31. 2024-2025 : Participation à l'évènement La science se livre et Femmes & sciences organisé par la ville d'Issy les Moulineaux et le département des Hauts de Seine consacrée à la valorisation des sciences et technologies à destination des jeunes publics, et notamment à promouvoir les parcours de femmes scientifiques et inciter les jeunes, et en particulier les filles, à s'engager dans la filière scientifique (interview et réalisation d'un portrait et 2024, rencontres avec le public le 12 février 2025).
32. Participation aux vidéos sur la mission MMX et l'instrument MIRS (https://www.google.com/search?client=firefox-b-d&q=MIRS+video+CNES#fpstate=ive&vld=cid:55ad5fec,vid:2Ct1J_AdFJc,st:0; https://www.youtube.com/playlist?list=PLCswBYjvdjkoQ7Sjj0Jvvb_UoggTZKEte
33. Interview for the website *Live Science* on *Lost photos suggest Mars' mysterious moon Phobos may be a trapped comet in disguise* (<https://www.livescience.com/space/mars/lost-photos-suggest-mars-mysterious-moon-phobos-may-be-a-trapped-comet-in-disguise>), avril 2024
34. Interview pour New Scientist journal sur la mission MMX (Nov. 2024)
35. Presentation sur "Rosetta -Osiris highlights on 67P/Churyomov-Gerasimenko, Spacetalk pour les élèves de L3 et master de l'USTH (5 dec. 2024)
36. Cours sur "MMX mission" pour l'école des Houches (Les Houches School of Physics 2025 - Planet Mars), Les Houches, 31 mars – 4 avril 2025
37. Présentation sur les petits corps du système solaire pour les élèves de seconde en stage à l'Observatoire (20 juin 2025)
38. Interview pour la revue *Ciel et Espace* pour la préparation d'un article de vulgarisation sur la comète (10 Oct. 2025)

1.7. Proceedings & reports

1. Brunello P., Peron F., **Fornasier S.**, Barbieri C., 2000. Baffling system for the Wide Angle Camera (WAC) of Rosetta Mission. Proceedings of the SPIE conference, vol. 4093, 79-88.

2. Barbieri C., Cremonese, G., **Fornasier S.**, Lazzarin M., Marchi S., Ragazzoni R., Rampazzi F., Verani S., Benn C., Mendillo M., Baumgartner J., Wilson J., Chakrabarti S., Dolci M., 2000. LUNAM (Lunar Atmosphere Mission). Conference Earth-Moon Relationships, 8-10 Novembre 2000, Accademia Galileiana - Padova, Italy, Barbieri C, Rampazzi F., editors, Kluwer editions pag. 487-495
3. Debei S., **Fornasier S.**, Ramous P., Barbieri C., Da Deppo V., Brunello P., Peron F., 2001. The Wide Angle Camera of Rosetta Mission : design and manufacturing of an innovative baffling system for an aspherical optics telescope. Proceedings of the SPIE conference, vol. 4498, 324-334.
4. Cremonese G., Achilli V., Barbieri C., Caporali A., Capria M. T., Colangeli L., Forlani, **Fornasier S.**, Lazzarin M., Marzari F., Marinangeli L., Naletto G., Palumbo P., Ragazzoni R., Salemi G., Verani S., 2001. A Wide Angle Camera for Bepi Colombo. Workshop on Mercury : Space Environment, Surface, and Interior. Proceedings of a workshop held at The Field Museum, 4-5 October, 2001, Chicago, IL. Convened by Mark Robinson and G. Jeffrey Taylor. LPI Contribution No. 1097. Houston, TX : Lunar and Planetary Science Institute, 2001, p.18
5. Barbieri C., **Fornasier S.**, Verani, S., Ragazzoni R., Barilli M., Paolinetti R, Romoli A., Della Torre A., Mendillo M., Baumgardner J., 2002. PLEXISS : a coronagraph for imaging the lunar atmosphere from the International Space Station. Proceedings of the SPIE conference, vol. 4767, 106-113.
6. Barbieri C., **Fornasier S.**, Verani S., Bertini I., Lazzarin M., Rampazzi, F., Cremonese G., Ragazzoni R., Marzari F., Angrilli F., Bianchini G. A., Debei S., Dececco M., Guizzo G., Parzianello G., Ramous P., Saggin B., Zaccariotto M., Da Deppo V., Naletto G., Nicolosi G., Pelizzo M. G., Tondello G., Brunello P., Peron F., 2003. The Wide Angle Camera of the ROSETTA Mission, Memorie della Societa Astronomica Italiana (Memoire de la societ  astronomique italienne), 74, 434-435
7. Da Deppo V., Naletto G., Nicolosi P.,..., **Fornasier S.**, et al., 2004. Preliminary calibration results of the wide angle camera of the imaging instrument OSIRIS for the Rosetta mission. In : Proceedings of the 5th International Conference on Space Optics (ICSO 2004), 30March - 2 April 2004, Toulouse, France. Ed. : B.Warmbein. ESA SP-554, Noordwijk, Netherlands : ESA Publications Division, ISBN 92-9092-865-4, 2004, p. 191 - 198
8. Barbieri C., **Fornasier S.**, Bertini I., et al., 2005. First Results from the Wide Angle Camera of the ROSETTA Mission. Memorie della Societ  Astronomica Italiana Supplement 2005, v.6, p.28-33.
9. Cremonese G., Capria M. T., Barbieri, C., .., **Fornasier S.**, et al., 2006. The stereo channel (STC) of the SIMBIO-SYS instrument for the BepiColombo mission to Mercury. Memorie della Societ  Astronomica Italiana 2006, v.9, p.173-175
10. Barbieri C., da Deppo V., D'Onofrio M., Dravins D., **Fornasier S.**, Fosbury R A E., Naletto G., Nilsson R., Occhipinti T., Tamburini F., Uthas H., Zampieri L (2006). QuantEYE, the quantum optics instrument for OWL, the Scientific Requirements for Extremely Large Telescopes, Proceedings of the 232nd Symposium of the International Astronomical Union, Held in Cape Town, South Africa, November 14-18, 2005, Edited by Patricia Ann Whitelock., Michel Dennefeld., Bruno Leibundgut. Cambridge : Cambridge University Press, 2006, pp.506-507
11. De Luise F., Dotto E., **Fornasier S.**, Lazzarin M., Perna Davide, Perozzi E., Rossi A., Valsecchi G. B. , 2007. Study for potential candidates for a Sample Return Space Mission

- to a Near Earth Object. *Memorie della Societa Astronomica Italiana*, 2007, vol. 78, 604-607
12. Barbieri C., Naletto G., Verroi E., Facchinetti C., Occhipinti T., di Paola A., Giro E., Zoccarato P., Anzolin G., D'Onofrio M., Tamburini F., Bonanno G., Billotta S., Pernechele C., Bolli P., da Deppo V., **Fornasier S.**, 2009. First Results of AQuEye, a Precursor 'Quantum' Instrument for the E-ELT. In : *Science with the VLT in the ELT Era, Astrophysics and Space Science Proceedings*. ISBN 978-1-4020-9189-6. Springer Netherlands, 2009, p. 249-253
 13. Naletto G., Da Deppo V., Nicolosi P., Zambolin P., Barbieri C., **Fornasier S.**, 2003. Calibration of the Wide Angle Camera for the Rosetta Mission : Preliminary Results on the Flight Model. *Proceedings of the SPIE conference*, vol. 4954, 375-384.
 14. **Fornasier S.**, 2003. Aqueous alteration on minor bodies of the Solar System. *Proceeding of the V Italian meeting of Planetary Science*, Gallipoli, Italy, 2003, pp. 139-142
 15. Gregnanin A., **Fornasier S.**, Barbieri C., 2003. Visible spectroscopy of minor bodies from the 1.22m Asiago telescope. *Proceeding of the V Italian meeting of Planetary Science*, Gallipoli, Italy, 2003, pp. 143-146
 16. Naletto G., Barbieri C., Dravins D., Occhipinti, T., Tamburini, F., Da Deppo,V., **Fornasier, S.**, D'Onofrio, M., Fosbury, R., Nilsson, R., Uthas, H., et al., 2006. QuantEYE : a quantum optics instrument for extremely large telescopes. *Ground-based and Airborne Instrumentation for Astronomy*. Edited by McLean, Ian S. , Iye, Masanori. *Proceedings of the SPIE conference*, Volume 6269, 62691W (2006)
 17. de Bergh, C., Barucci, M. A., Merlin, F., Dumas, C., Guilbert, A., Hainaut, O., Alvarez-Candal, A., Delsanti, A., **Fornasier S.**, Doressoundiram, A., 2007. Spectroscopic observations of large TNOs with the ESO-VLT. *European Planetary Science Congress 2007*, *Proceedings of a conference held 20-24 August, 2007 in Potsdam, Germany*, p.658
 18. Müller T. G., Lellouch E., Bönhardt H., Stansberry, J., Barucci, A., Crovisier, J., Delsanti, A., Doressoundiram, A., Dotto, E., Duffard, R., **Fornasier S.** et al. 2008. Herschel Open Time Key Programme-TNOs are Cool : A Survey of the Transneptunian Region. *European Planetary Science Congress 2008*, *Proceedings of the conference held 21-25 September, 2008 in Munster, Germany*, P. 790
 19. Vincent, J.B., Marchi, S., Besse, S., **Fornasier S.**, et al., 2011. Physical Properties of Craters on Asteroid (21) Lutetia. *Lunar and Planetary Science Conference No. 1608*, p.241
 20. Barucci, M. A., Belskaya, I., Fulchignoni, M., **Fornasier, S.**, Leyrat, C., 2012. Surface Composition of Asteroid (21) Lutetia : Lesson Learned from the Rosetta Flyby. *43rd Lunar and Planetary Science Conference*, held March 19-23, 2012 at The Woodlands, Texas. *LPI Contribution No. 1659*, id.1586
 21. Levasseur-Regourd, A. C., Bagnulo, S., Belskaya, I.,..., **Fornasier, S.**, et al., 2012. Dust on or in Small Bodies, as Studied by Polarimetry, to Prepare Future Space Missions to NEOs. *Asteroids, Comets, Meteors 2012*, *Proceedings of the conference held May 16-20, 2012 in Niigata, Japan*. *LPI Contribution No. 1667*, id.6400
 22. Barucci, M. A., Merlin, F., **Fornasier, S.**, de Bergh, C., Perna, D., 2012. Ices on TNOs : The Case of RR Taxonomic Class. *Asteroids, Comets, Meteors 2012*, *Proceedings of the conference held May 16-20, 2012 in Niigata, Japan*. *LPI Contribution No. 1667*, id.6133
 23. Belskaya, I. N., Bagnulo, S., Stinson, A., Tozzi, G. P., Muinonen, K., Barucci, A., **Fornasier, S.**, 2012. Polarimetry of Transneptunian Objects : Updated Results. *Asteroids,*

- Comets, Meteors 2012, Proceedings of the conference held May 16-20, 2012 in Niigata, Japan. LPI Contribution No. 1667, id.6106
24. Barucci, M. A., Belskaya, I., Fulchignoni, M, **Fornasier, S.**, Capaccioni, F., Leyrat, C., Sierks, H., Dotto, E., 2012. (21) Lutetia's Surface Composition : Lesson Learned from the Rosetta Flyby. Asteroids, Comets, Meteors 2012, Proceedings of the conference held May 16-20, 2012 in Niigata, Japan. LPI Contribution No. 1667, id.6050
 25. Trigo-Rodriguez, J. M., Llorca, J., Madiedo, J. M., Alonso-Azcárate, J., Rivkin, A. S., **Fornasier, S.**, Belskaya, I., Binzel, R. P., Moyano-Camero, C. E., Dergham, J., Cortés, J., 2012. IR Reflectance Spectra of Antarctic Carbonaceous Chondrites to Better Characterize the Surfaces of Asteroids Targeted by Sample Return Missions. 43rd Lunar and Planetary Science Conference, held March 19-23, 2012 at The Woodlands, Texas. LPI Contribution No. 1659, id.1443
 26. Da Deppo, V., Naletto, G., Nicolosi, P., Zambolin, P., De Cecco, M., Debei, S., Parzianello, G., Ramous, P., Zaccariotto, M., **Fornasier, S.**, and 14 coauthors. 2017, Preliminary calibration results of the wide angle camera of the imaging instrument OSIRIS for the Rosetta mission. Proceedings of the SPIE, Volume 10568, id. 105680N 9 pp. (2017)
 27. Brunello P., Peron F., **Fornasier, S.**, Barbieri C., 2000. Description of the WAC baffling system. UPD-TN-171D OSIRIS internal technical report, March 2000
 28. **Fornasier, S.**, Barbieri, C., Polato, P., Rossi, G., 2001. Optical characterization of WAC coatings and materials. RO-RIS-UPD-TN-172/D, OSIRIS internal technical report, April 2001.
 29. **Fornasier, S.**, Barbieri, C., Bertini, I., 2004. Evaluation of the cleanliness of the cometary environment, WP-230 for ASTRUM contract on the Wide Angle Camera of the OSIRIS imaging system on Rosetta mission
 30. **Fornasier, S.**, Naletto G., Da Deppo V., Gregnanin A., 2004. Properties and performance of the baffling system of the Wide Angle Camera, WP-220B for ASTRUM contract on the Wide Angle Camera of the OSIRIS imaging system on Rosetta mission
 31. Naletto G., Gregnanin A., **Fornasier, S.**, Da Deppo V., 2004. WAC filters calibration : pin-hole defects mappings (positions, dimensions, intensity) on UV filters flat images. WP-220 for ASTRUM contract on the Wide Angle Camera of the OSIRIS imaging system on Rosetta mission
 32. **Fornasier S.**, Barucci, A. , Thirouin, A. 2010. Minor Planet Observations [309 European Southern Observatory, VLT, Paranal], Minor Planet Circular 70197, 3 (2010)
 33. Cavadore, C., Elst, E. W., Lagerkvist, C.I., ...**Fornasier S.**, et al., 2005. Minor Planet Observations [809 European Southern Observatory, La Silla]. Minor Planet Circular 54355, 11 (2005)
 34. **Fornasier S.**, Dotto E., Hainaut O., Marzari F., Boehnhardt H., de Luise F., Barucci M. A., de Bergh, C. Spectroscopy and Photometry of Jupiter Trojans V1.0. NASA Planetary Data System (PDS), EAR-A-EMMI-3-FORNASIER-V1.0, 2008
 35. **Fornasier S.**, Clark, B. E., Migliorini, A., Ockert-Bell, M., 2011. Spectra of M Asteroids V1.0. NASA Planetary Data System, EAR-A-I1092-2-MSPECTRA-V1.

1.7.1. Posters

1. **Fornasier, S.**, Pernechele C., Barbieri C., 1999. The Asiago Observatory's reflectgoniometer, 31 Annual Meeting of the Division for Planetary Science of the A.A.S., Bull. A.A.S., 31, 5007.

2. Lazzarin M., **Fornasier, S.**, Barbieri C., Di Martino M., 1999. Spectroscopic investigation of asteroid targets of spacecraft missions Rosetta and Deep Space 1. 31 Annual Meeting of the Division of Planetary Science of the A.A.S., Bull. A.A.S., 31, 1106.
3. Doressoundiram A., Weissman P.R., Fulchignoni M., Barucci M.A., Le Bras A., Colas F., Lecacheux J., Birlan M., Lazzarin M., **Fornasier, S.**, Dotto E., Barbieri C., Sykes M.V., Larson S., Hergenrother C., 1999. Physical and chemical properties of 4979 Otawara. 31 Annual Meeting of the Division for Planetary Science of the A.A.S., Bull. A.A.S., 31, 5912.
4. Debei S., Angrilli F., Barbieri C., Bianchini G., Da Deppo V., De Cecco M., **Fornasier, S.**, Guizzo G., Naletto G., Ragazzoni R., Saggin B., Tondello G., Zaccariotto M., Brunello P., Peron F., 1999. The Wide Angle Camera for the Rosetta Mission. 31 Annual Meeting of the Division for Planetary Science of the A.A.S., Bull. A.A.S., 31, 5948.
5. **Fornasier, S.**, Barucci M. A., Binzel R. P., Fulchignoni M., Birlan M., Barbieri C., Lazzarin, M., Doressoundiram A., Dotto, E., Peixinho N., 2002. A portrait of 4979 Otawara, target of the Rosetta space mission. Meeting Asteroids, Comets, Meteors, Berlin, Germany, July 2002.
6. De Bergh C., Boehnhardt H., Barucci M. A., Lazzarin M., Romon-Martin J., **Fornasier, S.**, 2002. About the weak signatures detected in visible spectra of two plutinos. Meeting Asteroids, Comets, Meteors, Berlin, Germany, July 2002.
7. Dotto E., **Fornasier, S.**, Barucci A., Boehnhardt H., Hainaut O., Marzari F., Licandro J., De Bergh C.. Visible and near-infrared spectroscopic survey of Jupiter Trojan asteroids : investigation of dynamical families. In Bulletin of the American Astronomical Society. 2004, vol. 36, pp. 1139
8. Dotto E., Perna D., Barucci A., De Bergh C., Doressoundiram A., **Fornasier S.** Rotational Properties of Centaurs and KBOs. In AAS/Division for Planetary Sciences Meeting Abstracts. 2007, vol. 39
9. Merlin F., Alvarez A., Barucci A., Delsanti A., **Fornasier S.**, De Bergh C. Spectrum of Eris from 0.5 to 2.4 Microns. Clues for a Stratified Surface. In AAS/Division for Planetary Sciences Meeting Abstracts. 2007, vol. 39
10. Peixinho N., Doressoundiram A., Moullet A., **Fornasier S.**, Barucci A., Beuzit J., Veillet C. Visible and Infrared Colors of Centaurs and TNOs from the Meudon Multicolor Survey (2ms). In American Astronomical Society Meeting Abstracts. 2007, vol. 210
11. Perna D., Dotto E., De Luise F., Barucci A., Fulchignoni M., **Fornasier S.**, 2008. Physical Properties of 21 Lutetia, Target of the Esa Space Mission Rosetta. In AAS/Division for Planetary Sciences Meeting Abstracts. 2007, vol. 39
12. Demeo F., **Fornasier, S.**, Barucci A., et al., 2008. Visible and Near-Infrared Colors of KBOs and Centaurs from the Second ESO Large Program. LPI Contributions, 2008, vol. 1405, pp. 8189
13. Alvarez-Candal A., **Fornasier, S.**, Barucci M. A., de Bergh, C., Merlin, F., 2008. New ESO-Large Program on TNOs : First Visible Spectroscopic Results. LPI Contribution 2008, vol. 1405, pp. 8001
14. Perna D., Dotto E., Barucci A., Rossi A., De Bergh C., Doressoundiram A., **Fornasier, S.**, Rotational Properties of Centaurs and Trans-Neptunian Objects : Results from the ESO Large Program. LPI Contributions, 2008, vol. 1405, pp. 8110

15. Muller T. G., Lellouch E., Boehnhardt H., ..., **Fornasier, S.**, et al. 2008. Hershel open time key programme : TNOs are Cool : A survey of the transneptunian region. LPI Contributions, 2008, vol. 1405, pp. 8080.
16. Belskaya I., Bagnulo S., Barucci A., Muinonen K., Tozzi G. P., **Fornasier, S.**, Kolokolova L. Polarimetric Properties of Transneptunian Objects and Centaurs. In Bulletin of the American Astronomical Society. 2008, vol. 40, pp. 482
17. Belskaya I., Bagnulo S., Barucci A., Muinonen K., Tozzi G. P., **Fornasier, S.**, Kolokolova L. Polarimetry of Transneptunian Objects and Centaurs with VLT. LPI Contribution 2008, vol. 1405, pp. 8172
18. Merlin F., Barucci A., **Fornasier, S.**, De Bergh C., Perna D., Doressoundiram A., Delsanti A. Surface Analyses Of The Centaur Echeclus And Trans-neptunian Objects.. In Bulletin of the American Astronomical Society. 2008, vol. 40, pp. 482
19. Perna D., Dotto E., Barucci A., Rossi A., De Bergh C., Doressoundiram A., **Fornasier S.** Light Curves and Densities of Centaurs and Trans-Neptunian Objects from the ESO Large Program. In Bulletin of the American Astronomical Society. 2008, vol. 40, pp. 483
20. De Luise F., Dotto E., **Fornasier, S.**, Barucci A., Perna D., Marzari F. The Nature of the Eurybates Family. In Bulletin of the American Astronomical Society. 2008, vol. 40, pp. 438
21. DeMeo F., **Fornasier, S.**, Barucci A., et al. Visible and Near-infrared Colors of TNOs from the Second ESO Large Program. In Bulletin of the American Astronomical Society. 2008, vol. 40, pp. 482
22. Fulchignoni, M., Barucci, M., **Fornasier S.**, Leyrat, C., 2009. Steins Properties in Comparison with Those of the Other Asteroids Visited by Space Missions. American Geophysical Union, Spring Meeting 2009, abstract P12A-07
23. Hviid S. F., **Fornasier, S.**, Vernazza P., et al. Rosetta Fly-by of Asteroid 2867 Steins : Phase Function from the OSIRIS Imaging System. In Bulletin of the American Astronomical Society. 2009, vol. 40, pp. 558
24. Leyrat C., Jorda L., **Fornasier, S.**, Fulchignoni M., et al., 2009. Exploring Potential Surface Heterogeneity of the Asteroid Steins observed from the Rosetta OSIRIS Instrument. In AAS/Division for Planetary Sciences Meeting Abstracts. 2009, vol. 41
25. Mommert, M. Mueller, G., Boehnhardt, H., Lellouch, E., Stansberry, J., Barucci, A., Crovisier, J., Delsanti, A., Doressoundiram, A., Dotto, E., Duard, R., **Fornasier S.**, et al., 2010. TNOs are Cool : A Survey of the Trans-Neptunian Region : Radiometric properties of Trans-Neptunian Objects. 38th COSPAR Scientific Assembly. Held 18-15 July 2010, in Bremen, Germany, p. 2
26. **Fornasier, S.**, Clark B. E., Dotto E., Migliorini A., Ockert-Bell M., E., Barucci A. Spectroscopic survey of M type asteroids. In European Planetary Science Congress 2010, 19-25 septembre 2010, Rome. EPSC abstracts, 2010
27. **Fornasier, S.**, Barbieri C., Barucci A., Da Deppo V., De Léon J., et al.. Surface Physical Properties of (21) Lutetia : Results from OSIRIS Observations During the Rosetta Fly-by. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1032
28. Dotto E., Perna D., De Luise F., .., **Fornasier, S.**, et al. Low Delta-v Near Earth Objects : A Survey Of Suitable Targets For Space Missions. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1053

29. Hviid S. F., Barbieri C., Barucci A., ..., **Fornasier, S.**, et al. Overview of the Rosetta Fly-by of 21-Lutetia as Observed by the OSIRIS Camera System. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1043
30. Keller H. U., Schroder S. E., Hviid S. F., ..., **Fornasier, S.**, et al. OSIRIS Observations of Asteroid 21 Lutetia : Geomorphology and Colour Variegation. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1044
31. Leyrat C., Sierks H., Barbieri C.,..., **Fornasier, S.**, et al. 2010. Spatial Variations of Spectral Properties of (21) Lutetia as Observed by OSIRIS/Rosetta. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1044
32. Ockert-Bell M. E., Clark B. E., Shepard M. K., Issacs R. A., Cloutis E. A., **Fornasier, S.**, Bus S. J. The Composition of M-type Asteroids : Synthesis of Spectroscopic and Radar Observations.. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1073
33. Santos-Sanz P., Lellouch E., **Fornasier S.**, Kiss C., Müller T. G., Lacerda P. Dwarf planets observations with Herschel Space Observatory. In Bulletin of the American Astronomical Society. 2010, vol. 42, pp. 1013
34. Neeley, J. R., Ockert-Bell, M. E., Clark, B. E., Shepard, M. K., Cloutis, E. A., **Fornasier, S.**, Bus, S. J., 2011. The composition of M-type asteroids : Synthesis of spectroscopic and radar observations. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France, EPSC-DPS 2011, p.1829
35. Leyrat, C., Sierks, H., Barucci, A., **Fornasier S.**, Fulchignoni, M., 2011. Photometric properties of the surface of Lutetia as seen by OSIRIS/Rosetta. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p. 547
36. Dotto, E., Perna, D., Barucci, **Fornasier S.**, 2011. Disk-resolved investigation of (4) Vesta, target of the Dawn space mission. EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France. EPSC-DPS 2011, p. 785
37. Muinonen, K., Videen, G., Bagnulo, S., ..., **Fornasier, S.**, et al., 2012. Polarimetry of Transneptunian Objects Interpreted Using a Radiative-Transfer Coherent-Backscattering Model. AAS/Division for Planetary Sciences Meeting Abstracts, 44, #310.16
38. Tozzi, G.P., Bagnulo, S., Barucci, M. A., Belskaya, I. N., **Fornasier, S.**, Mottola, S., 2012. Search For Coma In Centaurs (2060) Chiron, (5145) Pholus And (10199) Chariklo. AAS/Division for Planetary Sciences Meeting Abstracts, 44, #310.15
39. **Fornasier, S.**, Lellouch, E., Mueller, T., Panuzzo, P., Kiss, C., et al., 2012. Physical And Thermal Properties Of The Centaurs 2060 Chiron And 10199 Chariklo : Results From Far-infrared Observations With The Herschel Space Observatory. AAS/Division for Planetary Sciences Meeting Abstracts, 44, #310.14
40. Levasseur-Regourd, A. C., Bagnulo, S., Belskaya, I.,..., **Fornasier, S.**, et al., 2012. Proceedings of the Asteroids, Comets, Meteors conference. Dust on or in Small Bodies, as Studied by Polarimetry, to Prepare Future Space Missions to NEOs. LPI Contribution No. 1667, id.6400
41. Stinson, A., Belskaya, I., Bagnulo, S., Tozzi, G. P., Muinonen, K., Barucci, A., **Fornasier, S.**, 2012. Polarimetry of the dwarf planet (136472) Makemake. EGU General Assembly, Vienna 2012, p.5868
42. **Fornasier, S.**, Barucci, M. A., Fulchignoni, M., Belskaya, I., 2012. Rosetta fly-bys with the asteroids 2867 Steins and 21 Lutetia. 9th International Planetary Probe Workshop, Toulouse, 2012., Abstract book , p. 155

43. Fulchignoni, M., **Fornasier, S.**, Barucci, M. A., 2012. Asteroid sample return missions. 9th International Planetary Probe Workshop, Toulouse, 2012., Abstract book , p 152
44. Leyrat, C., Sierks, H., Barucci, A., **Fornasier, S.**, Fulchignoni, M., the Osiris Team, 2012. Photometric Surface Properties of Lutetia as seen by OSIRIS/Rosetta. Proceedings of the Asteroids, Comets, Meteors conference. LPI Contribution No. 1667, id.6332
45. Leyrat, C., Sierks, H., Barucci, M.A., **Fornasier, S.**, Fulchignoni, M. 2012. Photometric surface properties of Lutetia as seen by OSIRIS/Rosetta. In European Planetary Science Congress 2012, 23-28 septembre 2012, Madris. EPSC abstracts, 2012-534
46. **Fornasier, S.**, Lantz, C., Barucci, M.A., 2013, Aqueous alteration on primitive asteroids, OSIRIS-REx Science Team Meeting IV
47. Lantz, C., Brunetto, R., Clark, B.E., Barucci, M.A., **Fornasier, S.**, 2013, Space weathering on carbonaceous chondrites, OSIRIS-REx Science Team Meeting IV
48. Lellouch E., Santos-Sanz, P., Lacerda, P., Mommert, M., Duffard, R. **Fornasier, S.**, et al., 2013. Thermal properties of Kuiper Belt objects and Centaurs from combined Herschel and Spitzer observations. The Universe Explored by Herschel symposium, ESTEC, Noordwijk, Oct. 2013
49. Santos-Sanz, P., Lellouch E., Ortiz, J. Kiss, C., Mueller, T., Vuilenius E., **Fornasier S.**, et al. Thermal light curves of trans-Neptunian objects and Centaurs with Herschel Space Observatory. The Universe Explored by Herschel symposium, ESTEC, Noordwijk, Oct. 2013
50. **Fornasier S.**, Barucci M. A. Fulchignoni M., 2019. Primitive Bodies : Highlights of the 67P/CG Nucleus as Observed by ESA Rosetta Mission. Asteroid Science in the Age of Hayabusa2 and OSIRIS-Rex, Novembre 5–7, 2019, Tucson, Arizona
51. Barucci, M.A., Reess, J. M., Bernardi, P., Le Du, M., Doressoundiram, A., **Fornasier, S.**, Sawyer, E., Iwata, T., Nakagawa, H., Nakamura, T., 2021. Phobos and Deimos as observed by MIRS spectrometer on board of Martian Moon eXploration (MMX) mission. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021. Online at <https://www.epsc2021.eu/>, id. EPSC2021-37
52. **Fornasier, S.**, Barucci M.A., Reess J.-M. & 12 co-authors, 2021. MIRS Imaging Spectrometer for the Martian Moon Explorer (MMX) Mission. 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021. Online at <https://www.epsc2021.eu/>, id. EPSC2021-159