

Sonia Fornasier : Publication List

More than 200 papers published in peer review journals, 24 as 1^{er} author. More than 200 communications at conferences. See also http://adsabs.harvard.edu/abstract_service.html, author : Fornasier, S.

Peer review journals

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. *Astron. Astrophys. 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. *Astron. Astrophys.*, 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. *Astron. Astrophys.*, 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, *Astron. Astrophys.*, 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. *A&A* 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., Tubiana 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., da 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., Kührt 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.; Nesvorný, D., 2016, Spectral variability on primitive asteroids of the Themis and Beagle families: space weathering effects or parent body heterogeneity? *Icarus* 269, 1-14, doi:10.1016/j.icarus.2016.01.002

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**, 2016, vol. 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, Issue Suppl_2, p.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., Güttler, 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., 2018. Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. Accepted for publication on *Astronomy and Astrophysics* on 27 August 2018. 27 pages, 18 figures, 2 tables. 2018arXiv180903997F; in press

Contribution in papers published in outstanding reviews:

25. Küppers 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.

26. 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., Kührt, 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

27. 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

28. 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, Vol. 347 no. 6220 DOI: 10.1126/science.aaa0628

29. 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, no6220, DOI:10.1126/science.aaa3905

30. 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, DOI: 10.1126/science.aaa0440

31. 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 DOI: 10.1126/science.aaa1044

32. de Sanctis Maria Cristina, Capaccioni F., Ciarniello M., Filacchione G., Formisano M., Mottola S., Raponi A., Tosi F., Bockelée-Morvan Dominique, Erard Stéphane, Leyrat C., Schmitt B., Ammannito Eleonora, Arnold Gabriele, Barucci Antonella, 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 Marcello, Jaumann R., Stephan K., Longobardo A., Mennella V., Migliorini Alessandra, Benkhoff J., Bibring J. P., Blanco A., Blecka M., Carlson R., Carsenty U., Colangeli L., Combes Michel, Crovisier Jacques, Drossart Pierre, Encrenaz Thérèse, Federico C., Fink U., Fonti S., Irwin P., Langevin Y., Magni G., Moroz L., Orofino V., Schade Ulrich, Taylor F., Tiphene Didier, Tozzi G. P., Biver Nicolas, Bonal L., Combe J.-P., Despan Danièla, Flamini E., **Fornasier Sonia**, Frigeri A., Grassi Davide, Gudipati M. S., Mancarella F., Markus K., Merlin Frédéric, Orosei R., Rinaldi G., Cartacci M., Cicchetti A., Giuppi S., Hello Yann, Henry Florence, Jacquino S., Reess Jean-Michel, Noschese R., Politi Romolo, Peter G. The diurnal cycle of water ice on comet 67P/Churyumov-Gerasimenko. **Nature**, 2015, vol. 525, pp. 500-503.
33. 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.
34. 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 Björn 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., Kührt 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.
35. 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.
36. 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 S., 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.
37. 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.
38. El-Maarry, M.R., M. Rami; 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.
39. 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., Oklay, 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

Articles in peer remade by PhD student under my supervision

40. 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. *A&A* 493, 283-290
41. 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
42. 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. *A&A* 494, L29-L32
43. 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.
44. 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
45. Perna D., Barucci A., **Fornasier S.**, et al., 2010. Colors and taxonomy of Centaurs and trans-Neptunian objects. *Astronomy and Astrophysics* 510, A53.
46. 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*, 2016, in press, DOI : 10.1093/mnras/stw2530
47. 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.
48. 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
49. 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, [doi:10.1016/j.icarus.2015.11.023](https://doi.org/10.1016/j.icarus.2015.11.023)
50. 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., Kührt, 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. *Astronomy & Astrophysics*, Volume 613, id.A36, 14 pp.
51. C. Feller, **S. Fornasier**, S. Ferrari, P.H. Hasselmann, M. A. Barucci, et al., 2018. ROSETTA/OSIRIS observations of 67P's nucleus during the April 2016 flyby: high-resolution spectrophotometry. *Astronomy and Astroph.*, in press

Other papers in peer review journals in chronologic order

52. 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. *Astron. Astrophys.*, 352, 697-702.
53. 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
54. Lazzarin M., **Fornasier S.**, Barucci M. A., Birlan M., 2001. Groundbased investigation of asteroid 9969 Braille, target of the spacecraft mission Deep Space 1. *Astron. Astrophys. L.*, 375, 281-285.
55. 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. Astron. Astrophys.*, 392, 335-339.
56. 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.

57. 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 BI41 and transneptunian objects (26181) 1996 GQ21 and (26375) 1999 DE9. *Astronomical Journal*, 125, 2721-2727.

58. 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.

59. 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.

60. 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?, *Astron. Astrophys.*, 416, 791-798.

61. 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.

62. 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.

63. 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. *Astron. Astrophys.*, 430, 313-317.

64. 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? *Astron. Astrophys.*, 439, L1-L4.

65. 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

66. 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.

67. 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

68. 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.

69. 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.

70. Forbrich J., Preibisch Th., Menten K. M., Neuhäuser 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.

71. 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.

72. 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.

73. 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.

74. 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.

75. Barucci A., **Fornasier S.**, Dotto E., et al., 2008. Asteroids 2867 Steins and 21 Lutétia: surface composition from far infrared observations with the Spitzer space telescope. *Astronomy and Astrophysics* 477, 665-670
76. 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
77. 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
78. 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
79. 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
80. 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. *A&A* 490, 829-833
81. 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.
82. 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
83. 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. *A&A* 487, 1179-1185
84. 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
85. 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
86. 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
87. 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
88. Müller, T. G., Lellouch E.I., Bönhardt, H., ..., **Fornasier S.**, et al., 2009. TNOs are Cool: A Survey of the Transneptunian Region. *Earth Moon and Planets* 105, 209-219
89. 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
90. 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. *A&A* 501, 375-380
91. 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,
92. Belskaya I., **Fornasier S.**, Krugly Yu. N., Shevchenko V. G., Gaffonyuk N. M., Barucci A., Fulchignoni M., Gil-Hutton R., 2010. Puzzling asteroid 21 Lutétia: our knowledge prior to the Rosetta fly-by. *A&A* 515, 29-37
93. Carry B., Kaas A. E. 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, 94
94. 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
95. 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
96. 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. *A&A* 511, 35
97. 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
98. 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
99. 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.
100. 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

101. 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. *A&A* 518, L147, 5 pp.
102. 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. *A&A* 518, L148, 5 pp.
103. 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). *A&A* 518, L146, 5 pp.
104. 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.
105. 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
106. 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.
107. 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.
108. 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.
109. 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.
110. 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.
111. 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
112. 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.
113. 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
114. 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
115. 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.
116. 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
117. Perna, D.; Dotto, E.; Barucci, M. A.; **Fornasier, S.**; Alvarez-Candal, A.; Gorgeot, 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.
118. 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
119. Trigo-Rodríguez, J. M., Moyano-Camero, C. E., Llorca, J., **Fornasier, S.** Barucci, M. A., Belskaya, I., Martins, Z. Rivkin, A. S., Dotto, E. Madiedo, 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.

120. 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*, submitted

121. 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

122. 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. *A&A* 568, id.L6, 4 pp.

123. 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

124. 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. *A&A* 569, id.A59, 9 pp

125. 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.

126. 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. *A&A* 569, id.L2, 5 pp.

127. C. Tubiana, C. Snodgrass, I. Bertini, S. Mottola, J.-B. Vincent, L. Lara, **S. Fornasier**, J. Knollenberg, et al. 2014. 67P/Churyumov-Gerasimenko: Activity between March and June 2014 as observed from Rosetta/OSIRIS. *A&A* 573, id.A62, 11 pp

128. Auger Anne-Therese, Groussin O., Jorda L., Bouley S., Gaskell Robert, Lamy P. L., Capanna Claire, Thomas Nicolas, Pommerol Antoine, Sierks Holger, Barbieri Cesare, Rodrigo Rafael, 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 Björn J. R., Debei Stefano, de Cecco M., El-Maarry M. R., **Fornasier Sonia**, Fulle Marco, Gutiérrez P. J., Güttler C., Hviid S., Ip W.-H., Knollenberg Jörg, Kramm J. R., Kürt Ekkehard, Küppers Michael, La Forgia F., Lara Luisa-Maria, Lazzarin M., Lopez Moreno José J., Marchi S., Marzari Francesco, Massironi M., Michalik H., Naletto Giampiero, Oklay Nilda, Pajola Maurizio, Sabau Lola, Tubiana C., Vincent J. B., Wenzel Klaus-Peter. Geomorphology of the Imhotep region on comet 67P/Churyumov-Gerasimenko from OSIRIS observations. *Astronomy and Astrophysics*, 2015, vol. 583.

129. 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 Sonia**, Fulle Marco, Giacomini L., Groussin O., Güttler C., Hviid S. F., Ip W.-H., Jorda L., Knollenberg J., Kramm J. R., Kürt 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.

130. 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 Sonia**, 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.

131. 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., Kürt 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.

132. 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.

133. 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.

134. 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.

135. 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.

136. 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.

137. 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.

138. 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.

139. 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.

140. 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.

141. 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.

142. 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.

143. 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.

144. 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 - Stereo-photogrammetric analysis of Rosetta/OSIRIS image data. *Astronomy and Astrophysics*, 2015, vol. 583.

145. 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.

146. 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.

147. 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.

148. 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 Sonia**, Jorda L., Sierks H. Pre-hibernation performances of the OSIRIS cameras onboard the Rosetta spacecraft. *Astronomy and Astrophysics*, 2015, vol. 574, pp. 123.

149. 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

150. 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

151. 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

152. 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

153. 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., The primordial nucleus of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics*, vol. 592, A63, 30 pp

154. 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

155. 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.

156. 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.

157. 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

158. 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

159. Grün E., Agarwal Jessica, 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*, in press, doi:10.1093/mnras/stx2088

160. 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

161. 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.
162. 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.
163. 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
164. 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
165. 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
166. 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.
167. Moyano-Camero, 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*, Online Early, doi: 10.1111/maps.1270
168. 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.
169. 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
170. 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
171. 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
172. 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
173. 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.
174. 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.
175. 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
176. 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.
177. 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.

178. 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
179. Masoumzadeh, N., Oklay, N.; Kolokolova, L.; Sierks, H.; **Fornasier, S.**; Barucci, M. A.; Vincent, J.-B.; Tubiana, C.; Güttler, C.; Preusker, F., 39 colleagues 2017. Opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images. *Astronomy and Astrophysics* 599, A11.
180. 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.
181. 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.
182. 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.
183. 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.
184. 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.
185. 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.
186. 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.
187. 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.
188. 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.
189. 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.
190. 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.
191. 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.
192. 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.
193. 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.
194. 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.
195. Oklay, 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.
196. 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.

197. 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.
198. 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.
199. 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.
200. 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.
201. 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.
202. 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.
203. 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.
204. 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.
205. Preusker, F.,**Fornasier, S.**,... and 43 colleagues 2017. The global meter-level shape model of comet 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 607, L1.
206. 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.
207. 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.
208. 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.
209. Birlan, Mirel, Colas, Francois, Cochard, Francois, Carry, Benoît, Vernazza, Pierre, **Fornasier, Sonia**, Perna, Davide. New concept of spectrograph for Near-Earth Asteroids observations. *Romanian Astronomical Journal*, Vol. 27, No. 2, p. 83-90
210. Höfner, 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., Kühr, 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.
211. 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., Kühr, 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.
212. Attree, N., Groussin, O., Jorda, L., Nébouy, D., Thomas, N., Brouet, Y., Kühr, 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.

213. Fulle, Marco, Bertini, I., Della Corte, V., Güttler, C., Ivanovski, S., La Forgia, F., Lasue, J., Levasseur-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., Kühr, 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

214. 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.

215. 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

216. 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

217. 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., Kühr, 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

218. 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., Kühr, 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

219. Bowles, N. E., Snodgrass, C., Gibbings, A., Sanchez, J. P., Arnold, J. A., Eccleston, P., Andert, T., Probst, A., Naletto, G., Vandaele, 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

BOOK'S 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*, 009. 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. Someda. EAN: 9788898216055. Published by The Galilean Academy of Science, Humanities and Arts, Univ. of Padova

-Thomas, M., Lellouch, E., **Fornasier S.**, 2019. Transneptunians objects and Centaurs at thermal wavelength. In *The Transneptunian Solar System*, Editors D. Priainnik, M.A. Barucci, L. Young, Elsevier publisher, in press.

Books of scientific dissemination for general public

-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.

Publications in other scientific journals :

1. 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
2. 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
3. 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.
4. 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
5. 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
6. 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
7. 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

Proceeding of conferences

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. 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.
7. **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
8. 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
9. 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)
10. 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
11. 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
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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

Invited talks at conferences

1. **Fornasier S.**, Comet 67P/CG nucleus composition & photometric properties highlights. Rosetta team workshop on "Rosetta results: bigger picture", Catania Observatory, Italy, 19 June 2018
2. **Fornasier S.**, Volatile Exposure in Anhur region of 67P comet. OSIRIS full Team meeting, 21 June 2018, Catania Diocesan Museum, Catania, Italie
3. **Fornasier S.**, Asteroids, Trojans and Transneptunians, JWST workshop, ESA-ESTEC, Leiden, 13-15 decembre, 2017
4. **Fornasier S.**, Surface composition and photometric properties of 67P/C-G comet from Rosetta/OSIRIS observations. Workshop Multi scale Planetary Science Workshop, Paris Observatory, 21-22 June 2017
5. **Fornasier S.**, Highlights from the ESA Rosetta mission. Bejiin Institute of Technology (BIT) Workshop, Paris, 12 May 2017
6. **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
7. **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
8. **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
9. **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
10. **Fornasier S.**, C. Feller, et al., 2015. 67P nucleus composition & photometric properties. OSIRIS Full Team Meeting, Padova, Nov. 2015
11. **Fornasier S.**, Barucci M.A.: exposed water ice on 67P comet. Rosetta OSIRIS and VIRTIS joint meeting, Berlin, 24-26 Nov. 2015
12. **Fornasier S.**, Hasselmann, P., Barucci, M.A., 2014. Color variations and photometric properties of the 67P nucleus. OSIRIS Full Team Meeting, MPS, Göttingen, oct. 2014
13. **Fornasier S.**, C. Feller, et al., Colors of the 67P nucleus southern hemisphere and morphological changes. OSIRIS Full Team Meeting, MPS, Göttingen, July 2014
14. **S. Fornasier**, F. Merlin, B. Carry, *Caractérisation physico-chimique des objets du système solaire en photométrie et spectroscopie*, ELT scientific workshop, Meudon, 22 May 2014
15. **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
16. **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.
17. **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 Barcelona, Spain, 17 January 2013
18. **Fornasier S.**, Lantz, C., Barucci, M.A., Aqueous alteration on minor bodies of the solar System, GAIA conference, Nice June 2013
19. **Fornasier S.**, Lantz, C., & Barucci, M.A., 2013, Aqueous alteration on primitive asteroids, OSIRIS-REx Science Team Meeting IV
20. **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
21. **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
22. **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.
23. **Fornasier S.**, 2011. Photometric calibrations of the OSIRIS-imaging system. OSIRIS calibration workshop, Paris, March 2011
24. **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

25. **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
26. **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.
27. **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.
28. **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.
29. **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
30. **Fornasier S.**, 2007. *WAC Straylight analysis*, OSIRIS-Rosetta Full Team Meeting, Lindau, Allemagne, 22-26 February 2007.
31. **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
32. **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

Invited seminars (past 5 years):

- **S. Fornasier** : Highlights from the ESA Rosetta/Philae mission. INAF-Rome astronomical observatory, 23 October 2018
- **S. Fornasier** : Géomorphologie, couleurs et composition du noyau de la comète 67P/CG: résultats de l'instrument OSIRIS à bord de Rosetta, séminaires de l'équipe de planétologie- IPGP-bat Lamarck, Univ. Paris Diderot, 2 February 2017
- **S. Fornasier**: Results from ESA Rosetta mission, University of Hanoi, Vietnam, Dec. 2016
- **S. Fornasier** : New insight on cometary science from the Rosetta mission observations of comet 67P/Churyumov-Gerasimenko, INAF-Observatoire de Catane, 20 Avril 2016
- **S. Fornasier** & OSIRIS Team , La comète 67P/Churyumov-Gerasimenko : résultats de l'instrument OSIRIS à bord de ROSETTA, IPAG, Grenoble, 25 June 2015
- **S. Fornasier**, "Physical properties of Transneptunians and Centaurs from HERSCHEL space telescope observations", Univ. of Bern, Suisse, 17 June 2015
- **S. Fornasier** & OSIRIS Team : La comète 67P/Churyumov-Gerasimenko : résultats des observations du système d'imagerie OSIRIS à bord de ROSETTA, IMCCE-Obs. de Paris, 18 May 2015
- **S. Fornasier** & OSIRIS Team : L'exploration de la comète 67P/Churyumov-Gerasimenko par la mission Rosetta, LPN, Marcoussin, 16 April 2015
- **S. Fornasier** & OSIRIS Team : Spectro-photometric properties of the 67P/Churyumov-Gerasimenko's nucleus from OSIRIS observations, LESIA-Obs. De Paris, 1 April 2015
- **S. Fornasier** & OSIRIS Team : *Rosetta : conceptions and first results*, congrès de doctorant de l'Institut de physique du globe de Paris-Univ. Paris Diderot-Ecole normale supérieure, 27 March 2015
- **S. Fornasier** & P. Drossard : Rencontre avec une comète: la mission Rosetta/Philae de l'ESA, UFR de physique-Univ. Paris Diderot, 13 February 2015
- **S. Fornasier** : Herschel results from the "TNOs are cool programme: a survey of the Transneptunian region", INAF-Obs. de Florence, 5 June 2014
- **S. Fornasier** : The new frontiers of the Solar system : Herschel results on TNOs and Centaures, Astronomy department, Padova Univ., 11 avril 2014

Scientific dissemination: general public and students

- Invited conference «Les astéroïdes géocroiseurs, dangers et atouts » (The Near Earth Asteroids, dangers and assets) at the University of free time, Essonne, France, 29 November 2018.
- Invited conference « Rencontre avec une comète : la mission Rosetta/Philae de l'ESA », Rencontre Ciel et

Espace and French association of Astronomy, Cité des sciences , La Villette, Paris, 3 November 2018

- Invited conference « Portrait of a comet: highlights from the ESA Rosetta mission » , FIP-ENS, 28 March 2017, Paris
- Invited conference à l'**Académie des Sciences** sur *Portrait d'un noyau cométaire : résultats de l'instrument OSIRIS à bord de Rosetta*, conférence-débat sur « La fantastique aventure de Rosetta sur la comète, 24 January 2017
- Course (9h ETD) On Solar System and Planetology (January - February 2014), on comets and Near Earth asteroids (6 h on March 2018) for the Open University for general public organized by Paris Diderot University
- Invited conference at the Astronomical festival of Vicenza, Italy, July 2013 on : The Near Earth Asteroids, impact risks with the Earth
- Invited conference at the Astronomical society of Bourgogne, 10 June 2014 on : The Transneptunians and the Centaurs
- Invited conference at the Cité de la Science-La villette, Paris, 24 May 2014 on : *Rosetta : the first images of the comet*
- Invited conference at Thiene, Vicenza (Italie), December 2014 sur : The ESA Rosetta/Philae mission.
- Invited conference at the doctorants congress of the 'Institut de physique du globe de Paris-Univ. Paris Diderot-Ecole normale supérieure, 27 March 2015 (Rosetta : conceptions and first results)
- Invited conference at the VEGA astronomical society on « Close encounter with a comet:: the Rosetta/Philae ESA mission », 13 May 2017, Plaisir
- Invited conference at the Astronomical Society of Lorraine on “The fabulous adventure of the ROSETTA/PHILAE mission around the 67P/Churyumov-Gerasimenko comet», 9 May 2017, Nancy
- Invited conference pour le CLEA (teachers formation on astronomy) on : Mission Rosetta: résultats scientifiques de la comète 67P/Churyumov-Gerasimenko at FIAP Jean Monnet, Paris, 31 January 2015
- Several Interviews for France 3 television, Radio France and on the Rosetta mission results, on Near Earth Asteroids and OSIRIS-Rex mission.
- Several press release at the European Space Agency, Paris Observatory, CNRS, Paris Diderot University, MPS institute on Transneptunians bodies, Near Earth Asteroids and results from the Rosetta mission on Steins and Lutetia Fly-bys and the comet 67P/CG.
- co-author of the MarcoPolo-R cartoon, the adventure of MarcoPolo-R robot. MarcoPolo-R is a Near-Earth Asteroid sample return mission under study at the European space Agency (see https://www-n.oca.eu/MarcoPolo-R//Cartoon/MarcoPolo-R_Cartoon.html)

Oral presentation at conferences

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 Piazzi 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 Piazzzi to the 3rd millenium, Palermo, Italy, June 2001.
8. Doressoundiram A., Peixinho N., Barucci M. A., **Fornasier, S.**, Blancho 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., I 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., I 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., I 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. 2382

- 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.** Koppers 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.** Koppers 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., deBerch, C., DeMeo, F., Dotto E., **Fornasier S.**, Merlin, F., Perna, D., 2010. *Proprietes physiques des objets transneptuniens*. 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-Camero, 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.5291*
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 67/P 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 67P 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 May 2016
- 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 Iguacu, 9-13 novembre 2015*
- 108.** Barucci, M. A., 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. Coustenis. *Effects of space weathering processes on asteroids surface. European Week of Astronomy 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., Carrasco, 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.** 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 .*
- 116.** 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.*
- 117.** 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.*
- 118.** **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.*
- 119.** 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, EPSC2017-363*
- 120.** 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.*
- 121.** Belskaya, I., **Fornasier, S.**, Tozzi, G. P., Gil-Hutton, R., Cellino, A., Antonyuk, K., Krugly, Y., Dovgopol, A., Faggi, S. 2017. *Asteroid polarimetry as a tool to distinguish rare taxonomic types. European Planetary Science Congress 11, EPSC2017-412.*
- 122.** 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.*
- 123.** **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.*
- 124.** **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.*

125. 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

Other publications

1. Brunello P., Peron F., **Fornasier, S.**, Barbieri C., 2000. *Description of the WAC baffling system*. UPD-TN-171D OSIRIS internal technical report, March 2000
2. **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.
3. **Fornasier, S.**, Barbieri, C., Bertini, I., 2004. *Evaluation of the cleanliness of the cometary environment*, WP-230 for ASTRIUM contract on the Wide Angle Camera of the OSIRIS imaging system on Rosetta mission
4. **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 ASTRIUM contract on the Wide Angle Camera of the OSIRIS imaging system on Rosetta mission
5. 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 ASTRIUM contract on the Wide Angle Camera of the OSIRIS imaging system on Rosetta mission
6. **Fornasier S.**, Barucci, A. ; Thirouin, A. 2010. Minor Planet Observations [309 European Southern Observatory, VLT, Paranal], Minor Planet Circular 70197, 3 (2010)
7. 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)
8. **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
9. **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.