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*Sonia Fornasier : Liste des publications/Publications list*

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***Sonia Fornasier : LISTE DES PUBLICATIONS***

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Résumé	Depuis début de carrière	Dont ces 10 dernières années	Dont ces 5 dernières années
Nombre de publications dans des revues à comité de lecture	276 (28 en 1 <sup>er</sup> auteur)	190	70
Nombre de publications dans des revues prestigieuses (Nature, Science, Nat. Astron. ..)	26	23	11
Nombre de publications dans d'autres revues scientifiques	35	34	1
Chapitres de livres	8	6	5
Nombre de conférences invitées	41	31	10

### 1.1. Chapitres de livres/Books chapters

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

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

- **Fornasier S.**, 2017. Seasonal and diurnal color and compositional variations of the 67P/Churyumov Gerasimenko nucleus. In *From Giotto to Rosetta, 30 years of cometary science*. Edited by C. Barbieri and C.G. Smeda. EAN : 9788898216055. Published by The Galilean Academy of Science, Humanities and Arts, Univ. of Padova

- Mueller, T., Lellouch, E., **Fornasier S.**, 2019. Transneptunians objects and Centaurs at

thermal wavelength. In *The Trans-Neptunian Solar System*, Edited by Dina Prialnik, Maria Antoinetta Barucci, Leslie Young. ISBN : 9780128164907. Elsevier, 2020., p.153-181

- Barucci M.A., Dalle Ore C., **Fornasier S.**, 2021. Kuiper Belt as the Context for Pluto. In the book : *Pluto after New Horizon*, Space Science Series book, University of Arizona Press, Tucson, Stern, S. A., Young, L. A., Moore, J. M., Grundy, W. M., Binzel, R. P., (Eds.), pp 21-52, doi :10.2458/azu\_uapress\_9780816540945-ch003

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

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

- Filacchione, G., Ciarniello, M, **Fornasier S.**, Raponi, A., 2022. COMET NUCLEI COMPOSITION AND EVOLUTION, for COMETS III book, University of Arizona Press, Karen Mech, Mike Combi e Richard Binzel (Eds). Livre en publication

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

### 1.2.1. En premier auteur/As first author

1. **Fornasier S.**, Lazzarin M., Barbieri C., Barucci M. A., 1999. Spectroscopic comparison of aqueous altered asteroids with CM2 carbonaceous chondrite meteorites. *Astronomy and Astrophysics S. S.*, 135, 65-73.
2. **Fornasier S.**, Lazzarin M., 2001. E-Type Asteroids : Spectroscopic Investigation on the 0.5 micron Absorption Band. *Icarus*, 152, 127-133.
3. **Fornasier S.**, Barucci M.A., Binzel R.P., Birlan M., Fulchignoni M., Barbieri C., Bus S.J., Harris A.W., Rivkin A.S., Lazzarin M., Dotto E., Michalowski T., Doressoundiram A., Bertini I., Peixinho N., 2003. A portrait of 4979 Otawara, target of the Rosetta Space Mission. *Astronomy and Astrophysics* , 398, 327-333
4. **Fornasier S.**, Doressoundiram A., Tozzi G.P., Barucci M.A., Boehnhardt H., de Bergh C., Delsanti A., Davies J., Dotto E., 2004. ESO Large Program on Physical Studies of Trans-Neptunian Objects and Centaurs : final results of the visible spectroscopic observations. *Astronomy and Astrophysics* , 421, 353-363.
5. **Fornasier S.**, Dotto E., Barucci M.A., Barbieri, C., 2004. Water ice on the surface of the large TNO 2004 DW, *Astronomy and Astrophysics* , 422, L43-L46.
6. **Fornasier S.**, Dotto E., Marzari F., Barucci M.A., Boehnhardt H., Hainaut O., de Bergh, C., 2004. Visible spectroscopic and photometric survey of L5 Trojans : investigation of dynamical families. *Icarus*, 172, 221-232
7. **Fornasier S.**, Belskaya I., Fulchignoni M., Barucci M. A., Barbieri C., 2006. First albedo determination of 2867 Steins, target of the Rosetta mission. *Astron. Astrophys*, 449, L9-L12
8. **Fornasier S.**, Belskaya I., Shkuratov Yu.G, Pernechele C., Barbieri C., Giro E., Navasardyan H., 2006. Polarimetric survey of asteroids with the Asiago telescope. *Astron. Astrophys*, 455, 371-377

9. **Fornasier S.**, Dotto E., Hainaut O., Marzari F., Boehnhardt H., De Luise F., Barucci M.A., 2007. Visible spectroscopic and photometric survey of Jupiter Trojans : final results on dynamical families. *Icarus*, 190, 622-642
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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.
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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., Nesvorny, D., 2016, Spectral variability on primitive asteroids of the Themis and Beagle families : space weathering effects or parent body heterogeneity ? *Icarus* 269, 1-14

22. **Fornasier S.**, S. Mottola , H.U. Keller, M.A. Barucci, B. Davidsson , C.Feller, J.D.P. Deshapriya , H. Sierks, et al., 2016. Rosetta’s comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. **Science** 354, pp. 1566-1570.
23. **Fornasier S.**, Feller, C., Lee, J.-C., Ferrari, S., Massironi, M., Hasselmann, P. H., Deshapriya, J. D. P., Barucci, M. A., El-Maarry, M. R., Giacomini, L., and 44 coauthors, 2017. The highly active Anhur-Bes regions in the 67P/Churyumov-Gerasimenko comet : results from OSIRIS/ROSETTA observations. Monthly Notices of the Royal Astronomical Society, Volume 469, S93-S107
24. **Fornasier, S.**, Hoang, V. H., Hasselmann, P. H., Feller, C., Barucci, M. A., Deshapriya, J. D. P., Sierks, H., Naletto, G., Lamy, P. L., Rodrigo, R., Koschny, D., Davidsson, B., Agarwal, J., Barbieri, C., Bertaux, J.-L., Bertini, I., Bodewits, D., Cremonese, G., Da Deppo, V., Debei, S., De Cecco, M., Deller, J., Ferrari, S., Fulle, M., Gutierrez, P. J., Guttler, C., Ip, W.-H., Keller, H. U., Küppers, M., La Forgia, F., Lara, M. L., Lazzarin, M., Lin, Z-Y, Lopez Moreno, J. J., Marzari, F., Mottola, S., Pajola, M., Shi, X., Toth, I., Tubiana, C., 2019. Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 630, id.A7, 26 pp.
25. **Fornasier, S.**, Feller, C., Hasselmann, P.H., Barucci, M.A., Sunshine, J., et al. 2019. Surface evolution of the Anhur region on comet 67P/CG from high resolution OSIRIS images. *Astronomy and Astrophysics*, Volume 630, id.A13, 18 pp.
26. **Fornasier, S.**, Hasselmann, P. H., Deshapriya, J. D. P., Barucci, M. A., Clark, B. E., Praet, A., Hamilton, V. E., Simon, A., Li, J. -Y., Cloutis, E. A., Merlin, F., Zou, X.-D., Lauretta, D. S., 2020. Phase reddening on asteroid Bennu from visible and near-infrared spectroscopy. *Astronomy and Astrophysics*, Volume 644, id.A142, 15 pp.
27. **Fornasier, S.**, Bourdelle de Micas, J., Hasselmann, P. H., Hoang, H. V., Barucci, M.A., Sierks, H., 2021. The small lobe of comet 67P : characterization of the Wosret region with ROSETTA-OSIRIS. *Astronomy and Astrophysics* 653, id.A132, 14 pp
28. **Fornasier, S.**, Hoang, V. H., M. Fulle, E. Quirico, M. Ciarniello, 2023. Volatile exposures on the 67P/Churyumov-Gerasimenko nucleus. *Astronomy and Astrophysics*, en publication (<https://doi.org/10.1051/0004-6361/202245614>), 19 pp

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

- **Fornasier S.**, S. Mottola , H.U. Keller, M.A. Barucci, B. Davidsson , C.Feller, J.D.P. Deshapriya , H. Sierks, et al., 2016. Rosetta’s comet 67P/Churyumov-Gerasimenko sheds its dusty mantle to reveal its icy nature. **Science** 354, pp. 1566-1570. (énuméré à l’item #22)
29. Kuppers 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.
  30. 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
31. Sierks H., Lamy P., Barbieri C.,...**Fornasier S.**, et al., 2011. Images of Asteroid 21 Lutétia : A Remnant Planetesimal from the Early Solar System. **Science** 334, 487
  32. F. Capaccioni, A. Coradini, G. Filacchione, S. Erard, G. Arnold, ... **S. Fornasier**,... et 30 co-auteurs, 2015. The organic-rich surface of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS/Rosetta. **Science** 347, no. 6220
  33. Rotundi, A., Sierks, H., Della Corte, V., Fulle, M., P.J., Gutierrez, ....**S. Fornasier**,... et 55 co-auteurs, 2015. Dust measurements in the coma of comet 67P/Churyumov-Gerasimenko inbound to the Sun. **Science**, 347, no. 6220
  34. 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
  35. 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
  36. de Sanctis M. C., Capaccioni F., Ciarniello M., Filacchione G., Formisano M., Mottola S., Raponi A., Tosi F., Bockelée-Morvan D., Erard S., Leyrat C., Schmitt B., Ammannito E., Arnold G., Barucci A., Combi M., Capria M. T., Cerroni P., Ip W.-H., Kuehrt E., McCord T. B., Palomba E., Beck P., Quirico E., Piccioni G., Bellucci G., Fulchignoni M., Jaumann R., Stephan K., Longobardo A., Mennella V., Migliorini A., Benkhoff J., Bibring J. P., Blanco A., Blecka M., Carlson R., Carsenty U., Colangeli L., Combes M., Crovisier J., Drossart P., Encrenaz T., Federico C., Fink U., Fonti S., Irwin P., Langevin Y., Magni G., Moroz L., Orofino V., Schade Ulrich, Taylor F., Tiphene D., Tozzi G. P., Biver N., Bonal L., Combe J.-P., Despan D., Flamini E., **Fornasier S.**, Frigeri A., Grassi D., Gudipati M. S., Mancarella F., Markus K., Merlin F., Orosei R., Rinaldi G., Cartacci M., Cicchetti A., Giuppi S., Hello Yann, Henry F., Jacquino D., Reess J.-M., Noschese R., Poli R., Peter G. The diurnal cycle of water ice on comet 67P/Churyumov-Gerasimenko. **Nature**, 2015, vol. 525, pp. 500-503.
  37. Vincent J. B., Bodewits D., Besse S., Sierks H., Barbieri C., Lamy P. L., Rodrigo R., Koschny D., Rickman H., Keller H. U., Agarwal J., A’Hearn M. F., Auger Anne-Therese, Barucci M.A., Bertaux J. L., Bertini I., Capanna C., Cremonese G., da Deppo V., Davidsson B., J. R., Debei S., de Cecco M., El-Maarry M. R., Ferri F., **Fornasier S.**, Fulle M., Gaskell R. W., Giacomini L., Groussin O., Guilbert-Lepoutre Aurélie, Gutiérrez-Marques P., Gutiérrez P. J., Güttler C., Hoekzema Nick, Höfner S., Hviid S. F., Ip W. H., Jorda L., Knollenberg Jörg, Kovács G., Kramm J. R., 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

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39. 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.
40. 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.
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42. El-Maarry, M.R., M. Ramy, Groussin, O., Thomas, N., Pajola, M., Auger, A.-T., Davidsson, B., Hu, X., Hviid, S. F., Knollenberg, J., Güttler, C, Tubiana, C, **Fornasier, S.**, and 46 colleagues 2017. Surface changes on comet 67P/Churyumov-Gerasimenko suggest a more active past. **Science** 355, 1392-1395.
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44. Matonti, C., Attree, N., Groussin, O.,.....**Fornasier, S.**, et al., 2019. Bilobate comet morphology and internal structure controlled by shear deformation. **Nature Geoscience**, Volume 12, Issue 3, p.157-162



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

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

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

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### 1.3. PRÉSENTATIONS INVITÉES EN CONFÉRENCES ET CONGRÈS/INVITED TALKS AT CONFERENCES

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

1. **Fornasier S.**, Phobos photometric properties derived from the HRSC camera observations, Team meeting of High Resolution Stereo Camera on Mars Express, 7-9 november 2022 (présentation à distance)
2. **Fornasier S.**, Volatile exposures on the 67P nucleus. Rosetta dust workshop, 27 april 2022, Padova, Italie.
3. **Fornasier S.**, Surface heterogeneities on comet 67P, exposure of volatiles and their strong connection with activity events. 7-11 mars 2022, ISSI workshop on "The life cycle of comets", Berne, Suisse (présentation à distance)
4. **Fornasier S.**, Phobos and Deimos MIRS science, MMX science meeting, 18-19 Nov. 2021, Paris Obs. and online
5. **Fornasier S.**, Solar System small bodies : composition and materials of high exo-biological interest with NIR spectroscopy, workshop on "Massively Parallel Large Area Spectroscopy from Space", ATLAS, online workshop, 21-23 June 2021
6. **Fornasier S.**, Linking surface morphology, composition and activity on the 67P/Churyumov-Gerasimenko's nucleus, 24-28 février 2020, ISSI workshop on "Closing The Gap Between

- Ground Based And In-Situ Observations Of Cometary Dust Activity : Investigating Comet 67P To Gain A Deeper Understanding Of Other Comets", Berne, Suisse.
7. **Fornasier S.**, M.A. Barucci, C. Dalle Ore, The Kuiper Belt as the Context for Pluto. Congrès : Pluto System After New Horizons, 14-18 juillet 2019, APL, Laurel, Maryland (USA).
  8. **Fornasier S.**, The 67P/C-G nucleus composition and its evolution over time. Comet 67P Nucleus Workshop, Asiago (Italy), 24-26 Juin 2019.
  9. **Fornasier S.**, Comet 67P/CG nucleus composition & photometric properties highlights. Rosetta team workshop on "Rosetta results : bigger picture", Catane Observatory, Italy, 19 Juin 2018
  10. **Fornasier S.**, Volatile Exposure in Anhur region of 67P comet. OSIRIS full Team meeting, 21 juin 2018, Catania Diocesan Museum, Catane, Italie
  11. **Fornasier S.**, Asteroids, Trojans and Transneptunians, JWST workshop, ESA-ESTEC, Leiden, 13-15 decembre, 2017
  12. **Fornasier S.**, Surface composition and photometric properties of 67P/C-G comet from Rosetta/OSIRIS observations. Multi scale Planetary Science Workshop, Paris Observatory, 21-22 juin 2017
  13. **Fornasier S.**, 'Short lifetime outburst on 67P comet at perihelion', OSIRIS full Team meeting, 22-24 May 2017, Torrejon, Madrid, Spain.
  14. **Fornasier S.**, Highlights from the ESA Rosetta mission. Bejiin Institute of Technology (BIT) Workshop, Paris, 12 mai 2017
  15. **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
  16. **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
  17. **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
  18. **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
  19. **Fornasier S.**, C. Feller, et al., 2015. 67P nucleus composition & photometric properties. OSIRIS Full Team Meeting, Padova, Nov. 2016
  20. **Fornasier S.**, Barucci M.A. : exposed water ice on 67P comet. Rosetta OSIRIS and VIRTIS joint meeting, Berlin, 24-26 Nov. 2015
  21. **Fornasier S.**, Hasselmann, P., Barucci, M.A., 2014. Color variations and photometric properties of the 67P nucleus. OSIRIS Full Team Meeting, MPS, Gottingen, oct. 2014
  22. **Fornasier S.**, C. Feller, et al., Colors of the 67P nucleus southern hemisphere and morphological changes. OSIRIS Full Team Meeting, MPS, Gottingen, July 2014
  23. **Fornasier S.**, F. Merlin, B. Carry, Caractérisation physico-chimique des objets du système solaire en photométrie et spectroscopie, ELT scientific workshop, Meudon, 22 May 2014

24. **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
25. **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.
26. **Fornasier S.**, Report on the MARCOPOLO-R remote sensing payload working group. "International Symposium : "Astrobiological and cosmochemical implications of Marco Polo-R sampling of a primitive asteroid Barcellona, Spain, 17 January 2013
27. **Fornasier S.**, Lantz, C., Barucci, M.A., Aqueous alteration on minor bodies of the solar System, GAIA conference, Nice June 2013
28. **Fornasier, S.**, Lantz, C., & Barucci, M.A., 2013, Aqueous alteration on primitive asteroids, OSIRIS-REx Science Team Meeting IV
29. **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
30. **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
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32. **Fornasier, S.**, 2011. Photometric calibrations of the OSIRIS-imaging system. OSIRIS calibration workshop, Paris, March 2011
33. **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
34. **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
35. **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.
36. **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.
37. **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.
38. **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
39. **Fornasier S.**, 2007. WAC Straylight analysis, OSIRIS-Rosetta Full Team Meeting, Lindau, Alemagne, 22-26 February 2007.
40. **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

41. **Fornasier S.**, 2006. The Rosetta target 2867 Steins and the E-type asteroids. Asteroids and Resonances Open Problems and Perspectives, Commemorative workshop for the 70th anniversary of Professor Sylvio Ferraz Mello, 25-28 Septembre 2006, CIAS, Meudon

#### 1.4. Présentations orales aux congrès/Oral talks at conferences

Pour les présentation invitées voir la section 1.3.

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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 Piazzzi 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.
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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.

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