
Sonia Fornasier : Liste des publications

1	Sonia Fornasier : LISTE DES PUBLICATIONS/PUBLICATIONS	3
1.1	Publications dans des revues à comité de lecture/Publications in peer-reviewed journals	3
1.1.1	En premier auteur/As first author	3
1.1.2	Articles dans des revues prestigieuses/Articles published in prestigious journals	6
1.1.3	Articles des étudiants encadrés/co-encadrés en thèse/ Articles in peer-review journals from supervised PhD students	9
1.1.4	Articles à comité de lecture (en ordre chronologique)/ Articles in peer-review journals (chronological order)	10
1.2	Chapitres de livres/Book chapters	31
1.3	Livres de vulgarisation scientifique/Popular science books	32
1.4	Présentations invitées en conférences et congrès/Invited talks at conferences . . .	32
1.5	Proceedings & reports	34
1.6	Présentations orales aux congrès/Oral talks at conferences	38
1.6.1	Posters	52

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

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	257 (26 en 1 ^{er} auteur)	194	129
Nombre de publications dans des revues prestigieuses (Nature, Science, Nat. Astron. ...)	25	22	15
Nombre de publications dans d'autres revues scientifiques	35	34	1
Chapitres de livres	6	4	4
Nombre de conférences invitées	36	30	15

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

1.1.1. 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.
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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

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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.
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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.

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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
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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., 2019. Linking surface morphology, composition, and activity on the nucleus of 67P/Churyumov-Gerasimenko. *Astronomy and Astrophysics* 630, id.A7, 26 pp.
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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. Submitted to *Astronomy and Astrophysics*

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- **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)

- 28. 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.
- 29. 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
- 30. 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
- 31. 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
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- 34. 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
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1.1.3. 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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53. 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
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1.1.4. Articles à comité de lecture (en ordre chronologique)/ Articles in peer-review journals (chronological order)

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2. **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).
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4. **Fornasier S.**, Comet 67P/CG nucleus composition & photometric properties highlights. Rosetta team workshop on "Rosetta results : bigger picture", Catane Observatory, Italy, 19 Juin 2018
5. **Fornasier S.**, Volatile Exposure in Anhur region of 67P comet. OSIRIS full Team meeting, 21 juin 2018, Catania Diocesan Museum, Catane, Italie
6. **Fornasier S.**, Asteroids, Trojans and Transneptunians, JWST workshop, ESA-ESTEC, Leiden, 13-15 decembre, 2017
7. **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
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9. **Fornasier S.**, Highlights from the ESA Rosetta mission. Bejiin Institute of Technology (BIT) Workshop, Paris, 12 mai 2017
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13. **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 May2016, Meudon, France

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15. **Fornasier S.**, Barucci M.A. : exposed water ice on 67P comet. Rosetta OSIRIS and VIRTIS joint meeting, Berlin, 24-26 Nov. 2015
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18. **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
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