

Refereed articles in 2017

- [1] A. Bardyn, D. Baklouti, H. Cottin, N. Fray, C. Briois, J. Paquette, O. Stenzel, C. Engrand, H. Fischer, K. Hornung, R. Isnard, Y. Langevin, H. Lehto, L. Le Roy, N. Ligier, S. Merouane, P. Modica, F.-R. Orthous-Daunay, J. Rynö, R. Schulz, J. Silén, L. Thirkell, K. Varmuza, B. Zaprudin, J. Kissel, and M. Hilchenbach. Carbon-rich dust in comet 67P/Churyumov-Gerasimenko measured by COSIMA/Rosetta. *Monthly Notices of the RAS*, 469:S712–S722, July 2017.
- [2] H. Cottin, J. M. Kotler, D. Billi, C. Cockell, R. Demets, P. Ehrenfreund, A. Elsaesser, L. d’Hendecourt, J. J. W. A. van Loon, Z. Martins, S. Onofri, R. C. Quinn, E. Rabbow, P. Rettberg, A. J. Ricco, K. Slenzka, R. de la Torre, J.-P. de Vera, F. Westall, N. Carrasco, A. Fresneau, Y. Kawaguchi, Y. Kebukawa, D. Nguyen, O. Poch, K. Saiagh, F. Stalport, A. Yamagishi, H. Yano, and B. A. Klamm. Space as a Tool for Astrobiology: Review and Recommendations for Experimentations in Earth Orbit and Beyond. *Space Sci. Rev.*, 209:83–181, July 2017.
- [3] P. de Marcellus, A. Fresneau, R. Brunetto, G. Danger, F. Duvernay, C. Meinert, U. J. Meierhenrich, F. Borondics, T. Chiavassa, and L. Le Sergeant d’Hendecourt. Photo and thermochemical evolution of astrophysical ice analogues as a source for soluble and insoluble organic materials in Solar system minor bodies. *Monthly Notices of the RAS*, 464:114–120, January 2017.
- [4] N. Fray, A. Bardyn, H. Cottin, D. Baklouti, C. Briois, C. Engrand, H. Fischer, K. Hornung, R. Isnard, Y. Langevin, H. Lehto, L. Le Roy, E. M. Mellado, S. Merouane, P. Modica, F.-R. Orthous-Daunay, J. Paquette, J. Rynö, R. Schulz, J. Silén, S. Siljeström, O. Stenzel, L. Thirkell, K. Varmuza, B. Zaprudin, J. Kissel, and M. Hilchenbach. Nitrogen-to-carbon atomic ratio measured by COSIMA in the particles of comet 67P/Churyumov-Gerasimenko. *Monthly Notices of the RAS*, 469:S506–S516, July 2017.
- [5] A. Fresneau, N. Abou Mrad, L. L. d’Hendecourt, F. Duvernay, L. Flandinet, F.-R. Orthous-Daunay, V. Vuitton, R. Thissen, T. Chiavassa, and G. Danger. Cometary Materials Originating from Interstellar Ices: Clues from Laboratory Experiments. *Astrophys. J.*, 837:168, March 2017.
- [6] M. Hilchenbach, H. Fischer, Y. Langevin, S. Merouane, J. Paquette, J. Rynö, O. Stenzel, C. Briois, J. Kissel, A. Koch, R. Schulz, J. Silén, N. Altobelli, D. Baklouti, A. Bardyn, H. Cottin, C. Engrand, N. Fray, G. Haerendel, H. Henkel, H. Höfner, K. Hornung, H. Lehto, E. M. Mellado, P. Modica, L. Le Roy, S. Siljeström, W. Steiger, L. Thirkell, R. Thomas, K. Torkar, K. Varmuza, and B. Zaprudin. Mechanical and electrostatic experiments with dust particles collected in the inner coma of comet 67P by COSIMA onboard Rosetta. *Philosophical Transactions of the Royal Society of London Series A*, 375:20160255, May 2017.
- [7] C. Lantz, R. Brunetto, M. A. Barucci, S. Fornasier, D. Baklouti, J. Bourçois, and M. Godard. Ion irradiation of carbonaceous chondrites: A new view of space weathering on primitive asteroids. *Icarus*, 285:43–57, March 2017.

- [8] Z. Martins, H. Cottin, J. M. Kotler, N. Carrasco, C. S. Cockell, R. de la Torre Noetzel, R. Demets, J.-P. de Vera, L. d'Hendecourt, P. Ehrenfreund, A. Elsaesser, B. Foing, S. Onofri, R. Quinn, E. Rabbow, P. Rettberg, A. J. Ricco, K. Slenzka, F. Stalport, I. L. ten Kate, J. J. W. A. van Loon, and F. Westall. Earth as a Tool for Astrobiology - A European Perspective. *Space Sci. Rev.*, 209:43–81, July 2017.
- [9] C. Meinert, I. Myrgorodska, P. de Marcellus, T. Buhse, L. Nahon, S. V. Hoffmann, L. Le Sergeant d'Hendecourt, and U. J. Meierhenrich. Response to Comment on "Ribose and related sugars from ultraviolet irradiation of interstellar ice analogs". *Science*, 355:141–141, January 2017.
- [10] P. Vernazza, J. Castillo-Rogez, P. Beck, J. Emery, R. Brunetto, M. Delbo, M. Marsset, F. Marchis, O. Groussin, B. Zanda, P. Lamy, L. Jorda, O. Mousis, A. Delsanti, Z. Djouadi, Z. Dionnet, F. Borondics, and B. Carry. Different Origins or Different Evolutions? Decoding the Spectral Diversity Among C-type Asteroids. *Astronomical Journal*, 153:72, February 2017.