

Refereed articles in 2022

- [1] J. Aléon, D. Lévy, A. Aléon-Toppani, H. Bureau, H. Khodja, and F. Brisset. Determination of the initial hydrogen isotopic composition of the solar system. *Nature Astronomy*, 6:458–463, February 2022.
- [2] Zélia Dionnet, Alice Aléon-Toppani, Rosario Brunetto, Stefano Rubino, Martin D. Suttle, Cateline Lantz, Chrysa Avdellidou, Donia Baklouti, Ferenc Borondics, Zahia Djouadi, Francesco Grieco, Eva Héripé, Tomoki Nakamura, Alessandra Rotundi, and Mario Scheel. Multiscale correlated analysis of the Aguas Zarcas CM chondrite. *Meteoritics & Planetary Science*, 57(5):965–988, May 2022.
- [3] Romain Maupin, Zahia Djouadi, Rosario Brunetto, Obadias Mivumbi, Christophe Sandt, and Ferenc Borondics. Polyaromatic Units Set the Albedo of Dark Extraterrestrial Materials. *The Planetary Science Journal*, 3(1):10, January 2022.
- [4] Alexey Potapov, Maria Elisabetta Palumbo, Zelia Dionnet, Andrea Longobardo, Cornelia Jäger, Giuseppe Baratta, Alessandra Rotundi, and Thomas Henning. Exploring Refractory Organics in Extraterrestrial Particles. *Astrophys. J.*, 935(2):158, August 2022.
- [5] Stefano Rubino, Sandra Potin, Cateline Lantz, Donia Baklouti, Pierre Beck, Olivier Brissaud, Hugues Leroux, Eric Quirico, Bernard Schmitt, Ferenc Borondics, and Rosario Brunetto. Geometry induced bias in the remote near-IR identification of phyllosilicates on space weathered bodies. *Icarus*, 376:114887, April 2022.
- [6] M. D. Suttle, L. Folco, Z. Dionnet, M. Van Ginneken, T. Di Rocco, A. Pack, M. Scheel, and A. Rotundi. Isotopically Heavy Micrometeorites—Fragments of CY Chondrite or a New Hydrous Parent Body? *Journal of Geophysical Research (Planets)*, 127(8):e07154, August 2022.
- [7] R. G. Urso, E. Hénault, R. Brunetto, D. Baklouti, G. A. Baratta, Z. Djouadi, A. Elsaesser, C. Scirè, G. Strazzulla, and M. E. Palumbo. Ion irradiation triggers the formation of the precursors of complex organics in space. The case of formaldehyde and acetaldehyde. *Astron. Astrophys.*, 668:A169, December 2022.
- [8] P. Vernazza, P. Beck, O. Ruesch, A. Bischoff, L. Bonal, G. Brennecka, R. Brunetto, H. Busemann, J. Carter, C. Carli, C. Cartier, M. Ciarniello, V. Debaille, A. Delsanti, L. D'Hendecourt, E. Füri, O. Groussin, A. Guilbert-Lepoutre, J. Helbert, P. Hoppe, E. Jehin, L. Jorda, A. King, T. Kleine, P. Lamy, J. Lasue, C. Le Guillou, H. Leroux, I. Leya, T. Magna, Y. Marrocchi, A. Morlok, O. Mousis, E. Palomba, L. Piani, E. Quirico, L. Remusat, M. Roskosz, M. Rubin, S. Russell, M. Schönbachler, N. Thomas, J. Villeneuve, V. Vinogradoff, P. Wurz, and B. Zanda. Sample return of primitive matter from the outer Solar System. *Experimental Astronomy*, 54(2-3):1051–1075, December 2022.