

Refereed articles in 2014

- [1] I. Alata, G. A. Cruz-Diaz, G. M. Muñoz Caro, and E. Dartois. Vacuum ultraviolet photolysis of hydrogenated amorphous carbons . I. Interstellar H_2 and CH_4 formation rates. *Astron. Astrophys.*, 569:A119, September 2014.
- [2] R. Brunetto, C. Lantz, D. Ledu, D. Baklouti, M. A. Barucci, P. Beck, L. Delauche, Z. Dionnet, P. Dumas, J. Duprat, C. Engrand, F. Jamme, P. Oudayer, E. Quirico, C. Sandt, and E. Dartois. Ion irradiation of Allende meteorite probed by visible, IR, and Raman spectroscopies. *Icarus*, 237:278–292, July 2014.
- [3] E. Dartois, C. Engrand, R. Brunetto, J. Duprat, T. Pino, E. Quirico, L. Remusat, N. Bardin, G. Briani, S. Mostefaoui, G. Morinaud, B. Crane, N. Szwece, L. Delauche, F. Jamme, C. Sand, and P. Dumas. Interstellar and interplanetary carbonaceous solids in the laboratory. *Geochemical Journal*, 48, September 2014.
- [4] B. M. Giuliano, R. M. Escribano, R. Martín-Doménech, E. Dartois, and G. M. Muñoz Caro. Interstellar ice analogs: band strengths of H_2O , CO_2 , CH_3OH , and NH_3 in the far-infrared region. *Astron. Astrophys.*, 565:A108, May 2014.
- [5] S. Merouane, Z. Djouadi, and L. Le Sergeant d’Hendecourt. Relations between Aliphatics and Silicate Components in 12 Stratospheric Particles Deduced from Vibrational Spectroscopy. *Astrophys. J.*, 780:174, January 2014.
- [6] P. Modica, C. Meinert, P. de Marcellus, L. Nahon, U. J. Meierhenrich, and L. Le Sergeant d’Hendecourt. Enantiomeric Excesses Induced in Amino Acids by Ultraviolet Circularly Polarized Light Irradiation of Extraterrestrial Ice Analogs: A Possible Source of Asymmetry for Prebiotic Chemistry. *Astrophys. J.*, 788:79, June 2014.
- [7] G. M. Muñoz Caro, E. Dartois, P. Boduch, H. Rothard, A. Domaracka, and A. Jiménez-Escobar. Comparison of UV and high-energy ion irradiation of methanol:ammonia ice. *Astron. Astrophys.*, 566:A93, June 2014.
- [8] O. Pirali, V. Boudon, N. Carrasco, and E. Dartois. Rotationally resolved IR spectroscopy of hexamethylenetetramine (HMT) $\text{C}_6\text{N}_4\text{H}_{12}$. *Astron. Astrophys.*, 561:A109, January 2014.
- [9] E. Quirico, F.-R. Orthous-Daunay, P. Beck, L. Bonal, R. Brunetto, E. Dartois, T. Pino, G. Montagnac, J.-N. Rouzaud, C. Engrand, and J. Duprat. Origin of insoluble organic matter in type 1 and 2 chondrites: New clues, new questions. *Geochimica Cosmochimica Acta*, 136:80–99, July 2014.
- [10] A. Rotundi, F. J. M. Rietmeijer, M. Ferrari, V. Della Corte, G. A. Baratta, R. Brunetto, E. Dartois, Z. Djouadi, S. Merouane, J. Borg, J. R. Brucato, L. Sergeant D’Hendecourt, V. Mennella, M. E. Palumbo, and P. Palumbo. Two refractory Wild 2 terminal particles from a carrot-shaped track characterized combining MIR/FIR/Raman microspectroscopy and FE-SEM/EDS analyses. *Meteoritics and Planetary Science*, 49:550–575, April 2014.