

## Refereed articles in 2019

- [1] R. P. Binzel, F. E. DeMeo, E. V. Turtelboom, S. J. Bus, A. Tokunaga, T. H. Burbine, C. Lantz, D. Polishook, B. Carry, A. Morbidelli, M. Birlan, P. Vernazza, B. J. Burt, N. Moskovitz, S. M. Slivan, C. A. Thomas, A. S. Rivkin, M. D. Hicks, T. Dunn, V. Reddy, J. A. Sanchez, M. Granvik, and T. Kohout. Compositional distributions and evolutionary processes for the near-Earth object population: Results from the MIT-Hawaii Near-Earth Object Spectroscopic Survey (MITHNEOS). *Icarus*, 324:41–76, May 2019.
- [2] Benjamin Bultel, Jean-Christophe Viennet, François Poulet, John Carter, and Stephanie C. Werner. Detection of Carbonates in Martian Weathering Profiles. *Journal of Geophysical Research (Planets)*, 124(4):989–1007, Apr 2019.
- [3] A. Carapelle, D. Grodent, Y. Langevin, J. Carter, A. Arondel, M. Vincendon, P. Guiot, K. Retherford, M. Davis, S. Liebecq, and E. Renotte. New low electron flux facility in the 0-3.5 MeV range for the study of induced signal in JUICE instruments: UVS and MAJIS measurements. *Nuclear Instruments and Methods in Physics Research B*, 440:197–200, Feb 2019.
- [4] M. Grott, J. Knollenberg, M. Hamm, K. Ogawa, R. Jaumann, K. A. Otto, M. Delbo, P. Michel, J. Biele, W. Neumann, M. Knapmeyer, E. Kührt, H. Senshu, T. Okada, J. Helbert, A. Maturilli, N. Müller, A. Hagermann, N. Sakatani, S. Tanaka, T. Arai, S. Mottola, S. Tachibana, I. Pelivan, L. Drube, J. B. Vincent, H. Yano, C. Pilorget, K. D. Matz, N. Schmitz, A. Koncz, S. E. Schröder, F. Trauthan, M. Schlotterer, C. Krause, T. M. Ho, and A. Moussi-Soffys. Low thermal conductivity boulder with high porosity identified on C-type asteroid (162173) Ryugu. *Nature Astronomy*, page 406, Jul 2019.
- [5] C. Güttler, T. Mannel, A. Rotundi, S. Merouane, M. Fulle, D. Bockelée-Morvan, J. Lasue, A. C. Lvasseur-Regourd, J. Blum, G. Naletto, H. Sierks, M. Hilchenbach, C. Tubiana, F. Capaccioni, J. A. Paquette, A. Flandes, F. Moreno, J. Agarwal, D. Bodewits, I. Bertini, G. P. Tozzi, K. Hornung, Y. Langevin, H. Krüger, A. Longobardo, V. Della Corte, I. Tóth, G. Filacchione, S. L. Ivanovski, S. Mottola, and G. Rinaldi. Synthesis of the morphological description of cometary dust at comet 67P/Churyumov-Gerasimenko. *Astron. Astrophys.*, 630:A24, Oct 2019.
- [6] V. E. Hamilton, A. A. Simon, P. R. Christensen, D. C. Reuter, B. E. Clark, M. A. Barucci, N. E. Bowles, W. V. Boynton, J. R. Brucato, E. A. Cloutis, H. C. Connolly, K. L. Donaldson Hanna, J. P. Emery, H. L. Enos, S. Fornasier, C. W. Haberle, R. D. Hanna, E. S. Howell, H. H. Kaplan, L. P. Keller, C. Lantz, J.-Y. Li, L. F. Lim, T. J. McCoy, F. Merlin, M. C. Nolan, A. Praet, B. Rozitis, S. A. Sandford, D. L. Schrader, C. A. Thomas, X.-D. Zou, D. S. Lauretta, and Osiris-Rex Team. Evidence for widespread hydrated minerals on asteroid (101955) Bennu. *Nature Astronomy*, 3:332–340, March 2019.
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- [10] Oleg Korabely, Ann Carine Avandaele, Franck Montmessin, Anna A. Fedorova, Alexander Trokhimovskiy, François Forget, Franck Lefèvre, Frank Daerden, Ian R. Thomas, Loïc Trompet, Justin T. Erwin, Shohei Aoki, Séverine Robert, Lori Neary, Sébastien Viscardy, Alexey V. Grigoriev, Nikolay I. Ignatiev, Alexey Shakun, Andrey Patrakeev, Denis A. Belyaev, Jean-Loup Bertaux, Kevin S. Olsen, Lucio Baggio, Juan Alday, Yuriy S. Ivanov, Bojan Ristic, Jon Mason, Yannick Willame, Cédric Depiesse, Laszlo Hetey, Sophie Berkenbosch, Roland Clairquin, Claudio Queirolo, Bram Beeckman, Eddy Neefs, Manish R. Patel, Giancarlo Bellucci, Jose-Juan López-Moreno, Colin F. Wilson, Giuseppe Etiope, Lev Zelenyi, Håkan Svedhem, Jorge L. Vago, ACS Science Team, NOMAD Science Team, Gustavo Alonso-Rodrigo, Francesca Altieri, Konstantin Anufreychik, Gabriele Arnold, Sophie Bauduin, David Bolsée, Giacomo Carrozzo, R. Todd Clancy, Edward Cloutis, Matteo Crismani, Fabiana da Pieve, Emiliano D’Aversa, Natalia Duxbury, Therese Encrenaz, Thierry Fouchet, Bernd Funke, Didier Fussen, Maia Garcia-Comas, Jean-Claude Gérard, Marco Giuranna, Leo Gkouvelis, Francisco Gonzalez-Galindo, Davide Grassi, Sandrine Guerlet, Paul Hartogh, James Holmes, Benoît Hubert, Jacek Kaminski, Ozgur Karatekin, Yasumasa Kasaba, David Kass, Igor Khatuntsev, Armin Kleinböhl, Nikita Kokonkov, Vladimir Krasnopol-

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- [12] L. O’Rourke, C. Tubiana, C. Güttler, S. Lodirot, P. Muñoz, A. Herique, Y. Rogez, J. Durand, A. Charpentier, H. Sierks, P. Gutierrez-Marques, J. Deller, B. Grieger, R. Andres, B. Geiger, K. Geurts, S. Ulamec, N. Kömle, V. Lommatsch, M. Maibaum, J. L. Pellon, C. Bielsa, R. Garmier, M. Taylor, P. Martin, M. Küppers, A. Accomazzo, V. Companys, J. P. Bibring, W. Kofman, S. Mckenna Lawlor, M. Salatti, and P. Gaudon. The search campaign to identify and image the Philae Lander on the surface of comet 67P/Churyumov-Gerasimenko. *Acta Astronautica*, 157:199–214, Apr 2019.
- [13] Kelly Pasquon, Julien Gargani, Marion Massé, Mathieu Vincendon, Susan J. Conway, Antoine Séjourné, Vincent Jomelli, Matthew R. Balme, Simon Lopez, and Anthony Guimpier. Present-day development of gully-channel sinuosity by carbon dioxide gas supported flows on Mars. *Icarus*, 329:296–313, Sep 2019.
- [14] Kelly Pasquon, Julien Gargani, Marion Nachon, Susan J. Conway, Marion Massé, Gwenaél Jouannic, Matthew R. Balme, François Costard, and Mathieu Vincendon. Are different Martian gully morphologies due to different processes on the Kaiser dune field? *Geological Society of London Special Publications*, 467(1):145–164, Jan 2019.
- [15] L. Riu, F. Poulet, J.-P. Bibring, and B. Gondet. The M<sup>3</sup> project: 2 - Global distributions of mafic mineral abundances on Mars. *Icarus*, 322:31–53, April 2019.
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- [17] C. Sætre, H. Hellevang, L. Riu, H. Dypvik, C. Pilorget, F. Poulet, and S. C. Werner. Experimental hydrothermal alteration of basaltic glass with

relevance to Mars. *Meteoritics and Planetary Science*, 54:357–378, February 2019.

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- [19] Ann Carine Vandaele, Oleg Korablev, Frank Daerden, Shohei Aoki, Ian R. Thomas, Francesca Altieri, Miguel López-Valverde, Geronimo Villanueva, Giuliano Liuzzi, Michael D. Smith, Justin T. Erwin, Loïc Trompet, Anna A. Fedorova, Franck Montmessin, Alexander Trokhimovskiy, Denis A. Belyaev, Nikolay I. Ignatiev, Mikhail Luginin, Kevin S. Olsen, Lucio Baggio, Juan Alday, Jean-Loup Bertaux, Daria Betsis, David Bolsée, R. Todd Clancy, Edward Cloutis, Cédric Depiesse, Bernd Funke, Maia Garcia-Comas, Jean-Claude Gérard, Marco Giuranna, Francisco Gonzalez-Galindo, Alexey V. Grigoriev, Yuriy S. Ivanov, Jacek Kaminski, Ozgur Karatekin, Franck Lefèvre, Stephen Lewis, Manuel López-Puertas, Arnaud Mahieux, Igor Maslov, Jon Mason, Michael J. Mumma, Lori Neary, Eddy Neefs, Andrey Patrakeev, Dmitry Patsaev, Bojan Ristic, Séverine Robert, Frédéric Schmidt, Alexey Shakun, Nicholas A. Teanby, Sébastien Viscardy, Yannick Willame, James Whiteway, Valérie Wilquet, Michael J. Wolff, Giancarlo Bellucci, Manish R. Patel, Jose-Juan López-Moreno, François Forget, Colin F. Wilson, Håkan Svedhem, Jorge L. Vago, Daniel Rodionov, NOMAD Science Team, Ann Carine Vandaele, Jose-Juan López-Moreno, Giancarlo Bellucci, Manish R. Patel, Gustavo Alonso-Rodrigo, Shohei Aoki, Francesca Altieri, Sophie Bauduin, David Bolsée, Giacomo Carozzo, R. Todd Clancy, Edward Cloutis, Matteo Crismani, Frank Daerden, Fabiana da Pieve, Emiliano D’Aversa, Cédric Depiesse, Justin T. Erwin, Giuseppe Etiope, Anna A. Fedorova, Bernd Funke, Didier Fussen, Maia Garcia-Comas, Anna Geminale, Jean-Claude Gérard, Marco Giuranna, Leo Gkouvelis, Francisco Gonzalez-Galindo, James Holmes, Benoît Hubert, Nicolay I. Ignatiev, Jacek Kaminski, Ozgur Karatekin, Yasumasa Kasaba, David Kass, Armin Kleinböhl, Orietta Lanciano, Franck Lefèvre, Stephen Lewis, Giuliano Liuzzi, Manuel López-Puertas, Miguel López-Valverde, Arnaud Mahieux, Jon Mason, Michael J. Mumma, Hiromu Nakagawa, Lori Neary, Eddy Neefs, Robert E. Novak, Fabrizio Oliva, Arianna Piccialli, Etienne Renotte, Birgit Ritter, Séverine Robert, Frédéric Schmidt, Nick Schneider, Giuseppe Sindoni, Michael D. Smith, Nicholas A. Teanby, Ed Thiemann, Ian R. Thomas, Alexander Trokhimovskiy, Loïc Trompet, Jean Vander Auwera, Geronimo Villanueva, Sébastien Viscardy, James Whiteway, Valerie Wilquet, Yannick Willame, Michael J. Wolff, Paulina Wolkenberg, Roger Yelle, ACS Science Team, Juan Alday, Francesca Altieri, Konstantin Anufreychik, Gabriele Arnold, Lucio Baggio, Denis A. Belyaev, Jean-Loup Bertaux, Natalia Duxbury, Anna A. Fedorova, François Forget, Thierry Fouchet, Davide Grassi, Alexey V. Grigoriev, Sandrine Guerlet, Paul Hartogh, Nikolay I. Ignatiev, Yasumasa Kasaba, Igor Khatuntsev, Nikita Kokonkov, Oleg Korablev, Vladimir Krasnopol'sky, Ruslan Kuzmin, Gaétan Lacombe, Franck Lefèvre, Emmanuel Lel-

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