

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] 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.
- [4] K.L. Donaldson Hanna, D.L. Schrader, E.A. Cloutis, G.D. Cody, A.J. King, T.J. McCoy, D.M. Applin, J.P. Mann, N.E. Bowles, J.R. Brucato, H.C. Connolly, E. Dotto, L.P. Keller, L.F. Lim, B.E. Clark, V.E. Hamilton, C. Lantz, D.S. Lauretta, S.S. Russell, and P.F. Schofield. Spectral characterization of analog samples in anticipation of osiris-rex’s arrival at bennu: A blind test study. *Icarus*, 319:701 – 723, 2019.
- [5] K. Kitazato, R. E. Milliken, T. Iwata, M. Abe, M. Ohtake, S. Matsuura, T. Arai, Y. Nakauchi, T. Nakamura, M. Matsuoka, H. Senshu, N. Hirata, T. Hiroi, C. Pilorget, R. Brunetto, F. Poulet, L. Riu, J.-P. Bibring, D. Takir, D. L. Domingue, F. Vilas, M. A. Barucci, D. Perna, E. Palomba, A. Galiano, K. Tsumura, T. Osawa, M. Komatsu, A. Nakato, T. Arai, N. Takato, T. Matsunaga, Y. Takagi, K. Matsumoto, T. Kouyama, Y. Yokota, E. Tatsumi, N. Sakatani, Y. Yamamoto, T. Okada, S. Sugita, R. Honda, T. Morota, S. Kameda, H. Sawada, C. Honda, M. Yamada, H. Suzuki, K. Yoshioka, M. Hayakawa, K. Ogawa, Y. Cho, K. Shirai, Y. Shimaki, N. Hirata, A. Yamaguchi, N. Ogawa, F. Terui, T. Yamaguchi, Y. Takei, T. Saiki, S. Nakazawa, S. Tanaka, M. Yoshikawa, S. Watanabe, and Y. Tsuda. The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy. *Science*, 364:272–275, April 2019.
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- [9] L. Riu, F. Poulet, J. Carter, J.-P. Bibring, B. Gondet, and M. Vincendon. The M³ project: 1- A global hyperspectral image-cube of the Martian surface. *Icarus*, 319:281–292, February 2019.
- [10] 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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- [13] M. Vincendon, C. Pilorget, J. Carter, and A. Stcherbinine. Observational evidence for a dry dust-wind origin of mars seasonal dark flows. *Icarus*.
- [14] S. Watanabe, M. Hirabayashi, N. Hirata, N. Hirata, R. Noguchi, Y. Shimaki, H. Ikeda, E. Tatsumi, M. Yoshikawa, S. Kikuchi, H. Yabuta, T. Nakamura, S. Tachibana, Y. Ishihara, T. Morota, K. Kitazato, N. Sakatani, K. Matsumoto, K. Wada, H. Senshu, C. Honda, T. Michikami, H. Takeuchi, T. Kouyama, R. Honda, S. Kameda, T. Fuse, H. Miyamoto, G. Komatsu, S. Sugita, T. Okada, N. Namiki, M. Arakawa, M. Ishiguro, M. Abe, R. Gaskell, E. Palmer, O. S. Barnouin, P. Michel, A. S. French, J. W. McMahon, D. J. Scheeres, P. A. Abell, Y. Yamamoto, S. Tanaka, K. Shirai, M. Matsuoka, M. Yamada, Y. Yokota, H. Suzuki, K. Yoshioka, Y. Cho, S. Tanaka, N. Nishikawa, T. Sugiyama, H. Kikuchi, R. Hemmi, T. Yamaguchi, N. Ogawa, G. Ono, Y. Mimasu, K. Yoshikawa, T. Takahashi, Y. Takei, A. Fujii, C. Hirose, T. Iwata, M. Hayakawa, S. Hosoda, O. Mori, H. Sawada, T. Shimada, S. Soldini, H. Yano, R. Tsukizaki, M. Ozaki, Y. Iijima, K. Ogawa, M. Fujimoto, T.-M. Ho, A. Moussi, R. Jaumann, J.-P. Bibring, C. Krause, F. Terui, T. Saiki, S. Nakazawa, and Y. Tsuda. Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu-A spinning top-shaped rubble pile. *Science*, 364:268–272, April 2019.