

Refereed articles in 2013

- [1] J. M. Almenara, F. Bouchy, P. Gaulme, M. Deleuil, M. Havel, D. Gandolfi, H. J. Deeg, G. Wuchterl, T. Guillot, B. Gardes, T. Pasternacki, S. Aigrain, R. Alonso, M. Auvergne, A. Baglin, A. S. Bonomo, P. Borde, J. Cabrera, S. Carpano, W. D. Cochran, S. Csizmadia, C. Damiani, R. F. Díaz, R. Dvorak, M. Endl, A. Erikson, S. Ferraz-Mello, M. Fridlund, G. Hebrard, M. Gillon, E. Guenther, A. Hatzes, A. Leger, H. Lammer, P. J. MacQueen, T. Mazeh, C. Moutou, M. Ollivier, A. Ofir, M. Patzold, H. Parviainen, D. Queloz, H. Rauer, D. Rouan, A. Santerne, B. Samuel, J. Schneider, L. Tal-Or, B. Tingley, and J. Weingrill. Transiting exoplanets from the CoRoT space mission. XXIV. CoRoT-25b and CoRoT-26b: two low-density giant planets. *Astron. Astrophys.*, 555:A118, jul 2013.
- [2] D. L. Bish, D. F. Blake, D. T. Vaniman, S. J. Chipera, R. V. Morris, D. W. Ming, A. H. Treiman, P. Sarrazin, S. M. Morrison, R. T. Downs, and et al. X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. *Science*, 341:1238932, sep 2013.
- [3] J. L. Bishop, D. Tirsch, L. L. Tornabene, R. Jaumann, A. S. McEwen, P. C. McGuire, A. Ody, F. Poulet, R. N. Clark, M. Parente, N. K. McKeown, J. F. Mustard, S. L. Murchie, J. Voigt, Z. Aydin, M. Bamberg, A. Petau, G. Michael, F. P. Seelos, C. D. Hash, G. A. Swayze, and G. Neukum. Mineralogy and morphology of geologic units at Libya Montes, Mars: Ancient aqueously derived outcrops, mafic flows, fluvial features, and impacts. *Journal of Geophysical Research (Planets)*, 118:487–513, mar 2013.
- [4] D. F. Blake, R. V. Morris, G. Kocurek, S. M. Morrison, R. T. Downs, D. Bish, D. W. Ming, K. S. Edgett, D. Rubin, W. Goetz, and et al. Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. *Science*, 341:1239505, sep 2013.
- [5] J. Carter and F. Poulet. Ancient plutonic processes on Mars inferred from the detection of possible anorthositic terrains. *Nature Geoscience*, 6:1008–1012, 2013.
- [6] J. Carter, F. Poulet, J.-P. Bibring, N. Mangold, and S. Murchie. Hydrous minerals on Mars as seen by the CRISM and OMEGA imaging spectrometers: Updated global view. *Journal of Geophysical Research (Planets)*, 118:831–858, apr 2013.
- [7] J. Carter, F. Poulet, S. Murchie, and J. P. Bibring. Automated processing of planetary hyperspectral datasets for the extraction of weak mineral signatures and applications to CRISM observations of hydrated silicates on Mars. *Planetary Space Science*, 76:53–67, feb 2013.
- [8] H. Clenet, P. Pinet, G. Ceuleneer, Y. Daydou, F. Heuripeau, C. Rosemberg, J.-P. Bibring, G. Bellucci, F. Altieri, and B. Gondet. A systematic mapping procedure based on the Modified Gaussian Model to characterize magmatic units from olivine/pyroxenes mixtures: Application to the Syrtis Major volcanic shield on Mars. *Journal of Geophysical Research (Planets)*, 118:1632–1655, aug 2013.

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- [12] P.-Y. Meslin, O. Gasnault, O. Forni, S. Schröder, A. Cousin, G. Berger, S. M. Clegg, J. Lasue, S. Maurice, V. Sautter, and et al. Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. *Science*, 341:1238670, sep 2013.
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- [16] C. Pilorget, M. Vincendon, and F. Poulet. A radiative transfer model to simulate light scattering in a compact granular medium using a Monte-Carlo approach: Validation and first applications. *Journal of Geophysical Research (Planets)*, 118:2488–2501, dec 2013.
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- [18] M. Vincendon. Mars surface phase function constrained by orbital observations. *Planetary Space Science*, 76:87–95, feb 2013.
- [19] C. R. Webster, P. R. Mahaffy, S. K. Atreya, G. J. Flesch, K. A. Farley, O. Kempainen, N. Bridges, J. R. Johnson, M. Minitti, D. Cremers, and et al. Low Upper Limit to Methane Abundance on Mars. *Science*, 342:355–357, oct 2013.

- [20] R. M. E. Williams, J. P. Grotzinger, W. E. Dietrich, S. Gupta, D. Y. Sumner, R. C. Wiens, N. Mangold, M. C. Malin, K. S. Edgett, S. Maurice, and et al. Martian Fluvial Conglomerates at Gale Crater. *Science*, 340:1068–1072, may 2013.