

Elements Magazine—Issue on the Mineralogy of Mars



Elements is the international magazine of Mineralogy, Geochemistry, and Petrology published jointly by seventeen participating societies, six times a year. The February 2015 issue (volume 11, number 1) is devoted to results from instruments on the Curiosity rover of the current Mars Science Laboratory Mission. It is guest edited by John Grotzinger (California Institute of Technology). Though a subscription, individual or institutional, is needed to access the articles online, the [Elements homepage](#) is available to everyone. John W. Valley (University of Wisconsin), Patricia M. Dove (Virginia Tech), Gordon E. Brown, Jr. (Stanford University), and Bernard J. Wood (University of Oxford) served as principal editors in charge of the issue, which carries these six articles:

"Curiosity's Mission of Exploration at Gale Crater, Mars" p. 19-26, by John P. Grotzinger (Caltech), Joy A. Crisp (Jet Propulsion Lab), Ashwin R. Vasavada (Jet Propulsion Lab), and the MSL Science Team

"Images from Curiosity: A New Look at Mars" p. 27-32, by Linda C. Kah (University of Tennessee) and the MSL Science Team

"ChemCam: Chemostratigraphy by the First Mars Microprobe" p. 33-38, by Roger C. Wiens (Los Alamos National Laboratory), Sylvestre Maurice (Institut de Recherche en Astrophysique et Planétologie, France), and the MSL Science Team

"In Situ Compositional Measurements of Rocks and Soils with the Alpha Particle X-ray Spectrometer on NASA's Mars Rovers" p. 39-44, by Ralf Gellert (University of Guelph, Canada), Benton C. Clark III (Space Science Institute), and the MSL and MER Science Teams

"Determining Mineralogy on Mars with the CheMin X-ray Diffractometer" p. 45-50, by Robert T. Downs (University of Arizona) and the MSL Science Team

"Volatile and Isotopic Imprints of Ancient Mars" p. 51-56, by Paul R. Mahaffy and Pamela G. Conrad (both NASA Goddard Space Flight Center), and the MSL Science Team

Written by Linda M. V. Martel, Hawai'i Institute of Geophysics and Planetology, for [PSRD](#).



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