PRINT ONLY: [821]
PLANETARY SPATIAL DATA INFRASTRUCTURE

Carey C. Dyar M. D. Boucher T. Giguere S.
Web-Based Software for Preprocessing, Matching, Fitting, Prediction, and Visualization of Spectroscopic Data: The Data Exploration, Visualization, and Analysis of Spectra (DEVAS) Website **[#1097]**
The Data Exploration, Visualization, and Analysis of Spectra (DEVAS) website consolidates many types of spectroscopic data and analysis tools in one location.

Gemp I. Durughar I. Parente M. Dyar M. D. Mahadevan S.
Deep Learning Models for Spectroscopic Data: Semi-Supervised Generative Models Applied to Laser-Induced Breakdown Spectroscopic Data **[#1696]**
We present a deep generative model for predicting and interpreting data from laser-induced breakdown spectroscopy.

Holin I. V.
Potentials of Radar Speckle Tracking in Instantaneous Rotation Rate and Related Planetary Properties **[#1127]**
Earth-based radar have potentials to study the instantaneous rotation rate and related planetary properties to high precision.

Shkuratov Y. G. Opanasenko N. V. Kaydash V. G. Videen G. Korokhin V. V. et al.
Polarimetric Phase Ratios of the Lunar Surface **[#1283]**
We show that the technique of photometric and polarimetric phase-ratio imaging can be useful for future missions to the Moon.

Sides S. C. Becker T. L. Becker K. J. Edmundson K. L. Backer J. W. et al.
The USGS Integrated Software for Imagers and Spectrometers (ISIS 3) Instrument Support, New Capabilities, and Releases **[#2739]**
Version 3.5.0 of the Integrated Software for Imagers and Spectrometers package is expected late January 2017.

Sklute E. C. Carey C. Dyar M. D. Glotch T. G.
Web-Based, Open-Source, Visible and Near Infrared Optical Constant Determination of Geological Materials **[#1071]**
Quantitative determination of minerals from mixed VNIR spectra requires n and k. This open-source, web-based interface will facilitate their determination.