

## Non MMT Scientific Publications by MMT Staff

The Effects of Space Weathering at UV Wavelengths: S-Class Asteroids

A. R. Hendrix, F. Vilas

*AJ*, **132**, 1396

Detection and Discrimination of Sulfate Minerals using Reflectance Spectroscopy

E. A. Cloutis et al., F. Vilas

*Icarus*, **184**, 121

Early Time Chromatic Variations in the Wind-Swept Medium of GRB 021211 and the Faintness of its Afterglow

M. C. Nysewander et al., G. G. Williams

*ApJ*, **651**, 994

Rapid Multiwaveband Polarization Variability in the Quasar PKS 0420–014: Optical Emission from the Compact Radio Jet

F. D. D’Arcangelo et al., G. G. Williams

*ApJ*, **659**, L107

Highly Polarized Optically Selected BL Lacertae Objects

P. S. Smith, G. G. Williams, G. D. Schmidt, A. M. Diamond-Stanic, D. L. Means

*ApJ*, **663**, 118

*SPITZER* Observations of Low-Luminosity Isolated and Low Surface Brightness Galaxies

J. L. Hinz, M. J. Rieke, G. H. Rieke, C. N. A. Willmer, K. Misselt, C. W. Engelbracht,

M. Blaylock, T. E. Pickering

*ApJ*, **663**, 895

Exploring the Asteroid Belt with Ion Propulsion: Dawn Mission History, Status and Plans

C. T. Russell et al., F. Vilas

*Advances in Space Research*, **40**, 193

Late Light Curves of Normal Type Ia Supernovae

J. C. Lair, M. D. Leising, P. A. Milne, G. G. Williams

*AJ*, **132**, 2024

The Inner Jet of an Active Galactic Nucleus as Revealed by a Radio-to- $\gamma$ -Ray Outburst

A. P. Marscher, G. G. Williams et al.

*Nature*, **452**, 966

The 2004 Las Campanas/Lowell Observatory Itokawa Campaign: I. Simultaneous Visible and Near-Infrared Photometry of the Hayabusa Mission Target

J. E. Thomas-Osip, F. Vilas et al.

*Earth Planets Space*, **60**, 39

The 2004 Las Campanas/Lowell Observatory Itokawa Campaign II. Surface Properties of Hayabusa Target Asteroid 25143 Itokawa Inferred from Hapke Modeling

S. M. Lederer, F. Vilas et al.

*Earth Planets Space*, **60**, 49

A Newly-Identified Spectral Reflectance Signature Near the Lunar South Pole and the South Pole-Aitken Basin

F. Vilas et al.

*Earth Planets Space*, **60**, 67

Local Topographic Effects on Photometry and Reflectance Spectra of Planetary Surfaces: An Example Based on Lunar Photometry

D. Domingue, F. Vilas

*Meteoritics & Planetary Science*, **42**, 1801

Mineralogical Composition of (25143) Itokawa 1998 SF<sub>36</sub> from Visible and Near-Infrared Reflectance Spectroscopy: Evidence for Partial Melting

P. A. Abell, F. Vilas et al.

*Meteoritics & Planetary Science*, **42**, 2165

Multi-Wavelength Observations of Asteroid 2100 Ra-Shalom

M. K. Shepard, F. Vilas, et al.

*Icarus*, **193**, 20

Near-Infrared Spectrophotometry of Asteroid 25143 Itokawa from NIRS on the Hayabusa Spacecraft

K. Kitazato, F. Vilas et al.

*Icarus*, **194**, 137