

Yuriy G Shkuratov

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

483
citations

840776

11
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpreting photometry of regolith-like surfaces with different topographies: shadowing and multiple scattering. <i>Icarus</i> , 2005, 173, 3-15.	2.5	88
2	Light scattering by media composed of semitransparent particles of different shapes in ray optics approximation: consequences for spectroscopy, photometry, and polarimetry of planetary regoliths. <i>Icarus</i> , 2005, 173, 16-28.	2.5	86
3	Swirls on the Moon and Mercury: meteoroid swarm encounters as a formation mechanism. <i>Icarus</i> , 2004, 167, 136-147.	2.5	60
4	Derivation of elemental abundance maps at intermediate resolution from optical interpolation of lunar prospector gamma-ray spectrometer data. <i>Planetary and Space Science</i> , 2005, 53, 1287-1301.	1.7	45
5	Composition of the lunar surface as will be seen from SMART-1: A simulation using Clementine data. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	38
6	Prognosis of TiO ₂ abundance in lunar soil using a non-linear analysis of Clementine and LSCC data. <i>Planetary and Space Science</i> , 2008, 56, 1063-1078.	1.7	36
7	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 2. Photometric properties of the regolith. <i>Geophysical Research Letters</i> , 2015, 42, 8312-8319.	4.0	33
8	Particle size effect on the opposition spike and negative polarization. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2006, 101, 394-403.	2.3	30
9	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 1. Mineral abundances inferred from spectral reflectance. <i>Geophysical Research Letters</i> , 2015, 42, 6945-6950.	4.0	28
10	Retrieving lunar topography from multispectral LROC images. <i>Planetary and Space Science</i> , 2014, 92, 65-76.	1.7	13
11	Removal of topographic effects from lunar images using Kaguya (LALT) and Earth-based observations. <i>Planetary and Space Science</i> , 2010, 58, 1298-1306.	1.7	12
12	Light scattering from particulate surfaces in geometrical optics approximation. , 2008, , 329-382.		7
13	Laboratory measurements of reflected light intensity and polarization for selected particulate surfaces. , 2008, , 383-402.		7
14	Multi-band Polarimetry of the Lunar Surface. III. Polarization Phase Curve. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 074401.	3.1	0
15	Grain Size Dependence of Brightness Phase Curves of the Lunar Surface. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006164.	3.6	0