

Michael K Shepard

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,659
citations

361413

20
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1517
citing authors

#	ARTICLE	IF	CITATIONS
1	The roughness of natural terrain: A planetary and remote sensing perspective. <i>Journal of Geophysical Research</i> , 2001, 106, 32777-32795.	3.3	307
2	A test of the Hapke photometric model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	150
3	Submillimeter-Scale Topography of the Lunar Regolith. <i>Icarus</i> , 1999, 141, 107-131.	2.5	129
4	Near-Earth asteroid surface roughness depends on compositional class. <i>Icarus</i> , 2008, 198, 294-304.	2.5	102
5	Radar observations and shape model of asteroid 16 Psyche. <i>Icarus</i> , 2017, 281, 388-403.	2.5	87
6	Shadows on a Planetary Surface and Implications for Photometric Roughness. <i>Icarus</i> , 1998, 134, 279-291.	2.5	85
7	A radar survey of M- and X-class asteroids II. Summary and synthesis. <i>Icarus</i> , 2010, 208, 221-237.	2.5	82
8	Testing the Hapke photometric model: Improved inversion and the porosity correction. <i>Icarus</i> , 2011, 215, 83-100.	2.5	78
9	E-type asteroid spectroscopy and compositional modeling. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	71
10	A radar survey of M- and X-class asteroids. <i>Icarus</i> , 2008, 195, 184-205.	2.5	69
11	A laboratory study of the bidirectional reflectance from particulate samples. <i>Icarus</i> , 2011, 215, 526-533.	2.5	59
12	A radar survey of M- and X-class asteroids. III. Insights into their composition, hydration state, & structure. <i>Icarus</i> , 2015, 245, 38-55.	2.5	48
13	A quantitative test of the ability of models based on the equation of radiative transfer to predict the bidirectional reflectance of a well-characterized medium. <i>Icarus</i> , 2009, 199, 210-218.	2.5	46
14	Spectrogoniometry and modeling of martian and lunar analog samples and Apollo soils. <i>Icarus</i> , 2013, 223, 383-406.	2.5	43
15	DETECTION OF WATER AND/OR HYDROXYL ON ASTEROID (16) Psyche. <i>Astronomical Journal</i> , 2017, 153, 31.	4.7	37
16	Radiative transfer modeling of dust-coated Pancam calibration target materials: Laboratory visible/near-infrared spectrogoniometry. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	31
17	DETECTION OF ROTATIONAL SPECTRAL VARIATION ON THE M-TYPE ASTEROID (16) PSYCHE. <i>Astronomical Journal</i> , 2017, 153, 29.	4.7	25
18	A revised shape model of asteroid (216) Kleopatra. <i>Icarus</i> , 2018, 311, 197-209.	2.5	25

#	ARTICLE	IF	CITATIONS
19	Observations of X/M asteroids across multiple wavelengths. <i>Icarus</i> , 2008, 195, 206-219.	2.5	24
20	Asteroid 21 Lutetia at 3 μ m: Observations with IRTF SpeX. <i>Icarus</i> , 2011, 216, 62-68.	2.5	23
21	Photometric correction of Mercury's global color mosaic. <i>Planetary and Space Science</i> , 2011, 59, 1873-1887.	1.7	22
22	The Opposition Surge and Photopolarimetry of Fresh and Coated Basalts. <i>Icarus</i> , 1999, 141, 172-178.	2.5	20
23	The Surface of (16) Psyche from Thermal Emission and Polarization Mapping. <i>Planetary Science Journal</i> , 2021, 2, 149.	3.6	19
24	Specular scattering on a terrestrial playa and implications for planetary surface studies. <i>Journal of Geophysical Research</i> , 1993, 98, 18707-18718.	3.3	18
25	Asteroid 16 Psyche: Shape, Features, and Global Map. <i>Planetary Science Journal</i> , 2021, 2, 125.	3.6	18
26	Radar observations of E-class Asteroids 44 Nysa and 434 Hungaria. <i>Icarus</i> , 2008, 195, 220-225.	2.5	13
27	Radar observations of Asteroids 64 Angelina and 69 Hesperia. <i>Icarus</i> , 2011, 215, 547-551.	2.5	13
28	The Heterogeneous Surface of Asteroid (16) Psyche. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	7
29	The bidirectional and directional hemispheric reflectance of Apollo 11 and 16 soils: Laboratory and Diviner measurements. <i>Icarus</i> , 2020, 336, 113456.	2.5	6
30	Radar detection of near-Earth Asteroids 1915 Quetzalcoatl, 3199 Nefertiti, 3757 (1982 XB), and 4034 (1986) Tj ET, 2000, 100, 1000 BT /Overl	2.5	2
31	A Better Look At Asteroid 216 Kleopatra. , 2018, , .		0