

Vadym G Kaydash

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,391
citations

361413

20
h-index

330143

37
g-index

49
all docs

49
docs citations

49
times ranked

869
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical measurements of the Moon as a tool to study its surface. <i>Planetary and Space Science</i> , 2011, 59, 1326-1371.	1.7	201
2	Iron and Titanium Abundance and Maturity Degree Distribution on the Lunar Nearside. <i>Icarus</i> , 1999, 137, 222-234.	2.5	84
3	Lunar soil characterization consortium analyses: Pyroxene and maturity estimates derived from Clementine image data. <i>Icarus</i> , 2006, 184, 83-101.	2.5	76
4	Photometry and polarimetry of particulate surfaces and aerosol particles over a wide range of phase angles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 106, 487-508.	2.3	75
5	A critical assessment of the Hapke photometric model. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2431-2456.	2.3	68
6	New Earth-based absolute photometry of the Moon. <i>Icarus</i> , 2011, 214, 30-45.	2.5	59
7	Photometric anomalies in the Apollo landing sites as seen from the Lunar Reconnaissance Orbiter. <i>Icarus</i> , 2011, 211, 89-96.	2.5	52
8	Photometric anomalies of the lunar surface studied with SMART-1 AMIE data. <i>Icarus</i> , 2009, 202, 393-413.	2.5	48
9	The lunar crater Giordano Bruno as seen with optical roughness imagery. <i>Icarus</i> , 2012, 218, 525-533.	2.5	47
10	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
11	Comet C/2012 S1 (ISON) coma composition at ~4au from HST observations. <i>Planetary and Space Science</i> , 2015, 118, 138-163.	1.7	42
12	Probable swirls detected as photometric anomalies in Oceanus Procellarum. <i>Icarus</i> , 2010, 208, 20-30.	2.5	38
13	Lunar surface traces of engine jets of Soviet sample return probes: The enigma of the Luna-23 and Luna-24 landing sites. <i>Planetary and Space Science</i> , 2013, 75, 28-36.	1.7	37
14	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
15	Phase-ratio imagery as a planetary remote-sensing tool. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2601-2607.	2.3	34
16	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
17	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
18	<i>HUBBLE SPACE TELESCOPE</i> PRE-PERHELION ACS/WFC IMAGING POLARIMETRY OF COMET ISON (C/2012 S1) AT 3.81 AU. <i>Astrophysical Journal Letters</i> , 2014, 780, L32.	8.3	25

#	ARTICLE	IF	CITATIONS
19	Dark halos and rays of young lunar craters: A new insight into interpretation. <i>Icarus</i> , 2014, 231, 22-33.	2.5	23
20	Title is missing!. <i>Solar System Research</i> , 2001, 35, 29-34.	0.7	22
21	Hubble Space Telescope imaging polarimetry of Mars during the 2003 opposition. <i>Icarus</i> , 2005, 176, 1-11.	2.5	21
22	The phase ratios of the color index: Mapping of two regions of the near side of the Moon. <i>Solar System Research</i> , 2010, 44, 267-280.	0.7	20
23	Lunar Clinopyroxene and Plagioclase: Surface Distribution and Composition. <i>Solar System Research</i> , 2005, 39, 255-266.	0.7	19
24	Opposition effect of the Moon from LROC WAC data. <i>Icarus</i> , 2016, 275, 1-15.	2.5	19
25	Lunar opposition effect as inferred from Chandrayaan-1 M ³ data. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1221-1232.	3.6	18
26	Characterization of a photometric anomaly in lunar Mare Nubium. <i>Planetary and Space Science</i> , 2016, 122, 70-87.	1.7	18
27	Structural disturbances of the lunar surface caused by spacecraft. <i>Solar System Research</i> , 2012, 46, 108-118.	0.7	17
28	Lunar surface agglutinates: Mapping composition anomalies. <i>Solar System Research</i> , 2007, 41, 177-185.	0.7	16
29	Response to the comment by B. Hapke on "A critical assessment of the Hapke photometric model". <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 116, 191-195.	2.3	16
30	Photometric function variations observed on the near side of the Moon: Mapping. <i>Solar System Research</i> , 2009, 43, 89-99.	0.7	15
31	Landing of the probes Luna 23 and Luna 24 remains an enigma. <i>Planetary and Space Science</i> , 2013, 89, 172-182.	1.7	13
32	Retrieving lunar topography from multispectral LROC images. <i>Planetary and Space Science</i> , 2014, 92, 65-76.	1.7	13
33	A photometric function of planetary surfaces for gourmets. <i>Icarus</i> , 2018, 302, 213-236.	2.5	13
34	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
35	Polarimetric mapping of the Moon at a phase angle near the polarization minimum. <i>Icarus</i> , 2008, 198, 1-6.	2.5	11
36	Structural disturbances of the lunar surface near the Lunokhod-1 spacecraft landing site. <i>Solar System Research</i> , 2014, 48, 167-175.	0.7	11

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37	Comparison of lunar red spots including the crater copernicus. Icarus, 2016, 272, 125-139.	2.5	10
38	Using LROC WAC data for Lunar surface photoclinometry. Planetary and Space Science, 2018, 160, 120-135.	1.7	9
39	Measurements of winds on Mars with Hubble Space Telescope images in 2003 opposition. Icarus, 2006, 185, 97-101.	2.5	8
40	Lunar ilmenite content as assessed by improved Chandrayaan-1 M3 data. Icarus, 2020, 341, 113661.	2.5	8
41	The lunar surface around extremely fresh craters. Icarus, 2018, 311, 258-270.	2.5	6
42	Removal of topographic effects from LROC NAC images as applied to the inner flank of the crater Hertzprung S. Planetary and Space Science, 2020, 193, 105090.	1.7	6
43	The SMART-1 Mission: Photometric Studies of the Moon with the AMIE Camera. Solar System Research, 2003, 37, 251-259.	0.7	4
44	The negative polarization parameters of the light scattered by the lunar surface: Mapping. Solar System Research, 2009, 43, 210-214.	0.7	4
45	Phase-ratio imaging as applied to desert sands for tracking human presence. Applied Optics, 2017, 56, B184.	2.1	4
46	Photometric analysis of the Luna spacecraft landing sites. Planetary and Space Science, 2022, 216, 105475.	1.7	4
47	Characterizing southern portion of Mare Vaporum with improved Chandrayaan-1 M3 data. Icarus, 2021, 355, 114123.	2.5	3
48	Distribution of the spectropolarimetric parameter of the moon in the northern part of Ocean Procellarum for a large phase angle. Kinematics and Physics of Celestial Bodies, 2011, 27, 38-41.	0.6	0
49	Terrestrial planets. , 0, , 289-302.		0