Viktor V Korokhin

List of Publications by Year
in descending order

43	823	567281	501196
papers	citations	15 h-index	28 g-index

44	44	44	623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical measurements of the Moon as a tool to study its surface. Planetary and Space Science, 2011, 59, 1326-1371.	1.7	201
2	A critical assessment of the Hapke photometric model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2431-2456.	2.3	68
3	New Earth-based absolute photometry of the Moon. Icarus, 2011, 214, 30-45.	2.5	59
4	Photometric anomalies in the Apollo landing sites as seen from the Lunar Reconnaissance Orbiter. Icarus, 2011, 211, 89-96.	2.5	52
5	Probable swirls detected as photometric anomalies in Oceanus Procellarum. Icarus, 2010, 208, 20-30.	2.5	38
6	Multispectral polarimetry as a tool to investigate texture and chemistry of lunar regolith particles. Icarus, 2007, 187, 406-416.	2.5	36
7	Prognosis of TiO2 abundance in lunar soil using a non-linear analysis of Clementine and LSCC data. Planetary and Space Science, 2008, 56, 1063-1078.	1.7	36
8	Analysis of full-disc Ca II K spectroheliograms. Astronomy and Astrophysics, 2020, 639, A88.	5.1	32
9	The phase ratios of the color index: Mapping of two regions of the near side of the Moon. Solar System Research, 2010, 44, 267-280.	0.7	20
10	Opposition effect of the Moon from LROC WAC data. Icarus, 2016, 275, 1-15.	2.5	19
11	The phase dependence of brightness and color of the lunar surface: a study based on integral photometric data. Solar System Research, 2007, 41, 19-27.	0.7	18
12	Lunar opposition effect as inferred from Chandrayaanâ€1â€‰M³ data. Journal of Geophysical Research E: Planets, 2013, 118, 1221-1232.	3.6	18
13	Characterization of a photometric anomaly in lunar Mare Nubium. Planetary and Space Science, 2016, 122, 70-87.	1.7	18
14	Response to the comment by B. Hapke on â€œA critical assessment of the Hapke photometric modelâ€• Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 116, 191-195.	2.3	16
15	Photometric function variations observed on the near side of the Moon: Mapping. Solar System Research, 2009, 43, 89-99.	0.7	15
16	Retrieving lunar topography from multispectral LROC images. Planetary and Space Science, 2014, 92, 65-76.	1.7	13
17	A photometric function of planetary surfaces for gourmets. Icarus, 2018, 302, 213-236.	2.5	13
18	A twofold mission to the moon: Objectives and payloads. Acta Astronautica, 2019, 154, 214-226.	3.2	13

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19	Seasonal Variations in the Northâ€“South Asymmetry of Polarized Light of Jupiter. Icarus, 2002, 157, 419-425.	2.5	12
20	Removal of topographic effects from lunar images using Kaguya (LALT) and Earth-based observations. Planetary and Space Science, 2010, 58, 1298-1306.	1.7	12
21	Polarimetric mapping of the Moon at a phase angle near the polarization minimum. Icarus, 2008, 198, 1-6.	2.5	11
22	Comparison of lunar red spots including the crater copernicus. Icarus, 2016, 272, 125-139.	2.5	10
23	Using LROC WAC data for Lunar surface photoclinometry. Planetary and Space Science, 2018, 160, 120-135.	1.7	9
24	Parameters of the positive polarization maximum of the Moon: mapping. Solar System Research, 2005, 39, 45-53.	0.7	8
25	Lunar ilmenite content as assessed by improved Chandrayaan-1 M3 data. Icarus, 2020, 341, 113661.	2.5	8
26	The north-south asymmetry of polarization of Jupiter: The causes of seasonal variations. Solar System Research, 2008, 42, 8-17.	0.7	7
27	Parameters of the positive polarization maximum of the Moon: Mapping. Solar System Research, 2005, 39, 45-53.	0.7	6
28	The lunar surface around extremely fresh craters. Icarus, 2018, 311, 258-270.	2.5	6
29	Removal of topographic effects from LROC NAC images as applied to the inner flank of the crater Hertzsprung S. Planetary and Space Science, 2020, 193, 105090.	1.7	6
30	Surface erosion and sedimentation caused by ejecta from the lunar crater Tycho. Planetary and Space Science, 2018, 151, 130-140.	1.7	5
31	Improved Chandrayaan-1 M3 data: A northwest portion of the Aristarchus Plateau and contiguous maria. Icarus, 2019, 321, 34-49.	2.5	5
32	The negative polarization parameters of the light scattered by the lunar surface: Mapping. Solar System Research, 2009, 43, 210-214.	0.7	4
33	Gas giant planets, Saturnâ€™s rings, and Titan. , 2015, , 320-339.		4
34	Phase-ratio imaging as applied to desert sands for tracking human presence. Applied Optics, 2017, 56, B184.	2.1	4
35	Photometric analysis of the Luna spacecraft landing sites. Planetary and Space Science, 2022, 216, 105475.	1.7	4
36	Quasi-periodicity of MgXII X-ray bursts revealed by CORONAS-F SPIRIT data for solar active regions. Astronomy Reports, 2005, 49, 579-586.	0.9	3

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37	Characterizing dark mantle deposits in the lunar crater Alphonsus. Planetary and Space Science, 2018, 153, 22-38.	1.7	3
38	Characterizing southern portion of Mare Vaporum with improved Chandrayaan-1ÂM3 data. Icarus, 2021, 355, 114123.	2.5	3
39	Temporal changes in the north-south asymmetry of polarized light of Jupiter may be associated with the comet SL9 visit to the Jovian system. Planetary and Space Science, 1997, 45, 1183-1188.	1.7	2
40	Photopolarimetric observations of Jupiterâ€™s polar region. Kinematics and Physics of Celestial Bodies, 2008, 24, 201-208.	0.6	0
41	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
42	10.1007/s11208-008-1002-3. , 2010, 42, 8.		0
43	CCD observations of the Sun at the Balmer and Pashen continua. Astronomical and Astrophysical Transactions, 1999, 18, 265-271.	0.2	0