

Joshua Bandfield

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,416
citations

304743

22
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2439
citing authors

#	ARTICLE	IF	CITATIONS
1	Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. <i>Science Advances</i> , 2020, 6, .	10.3	83
2	Thermophysical Properties of the North Polar Residual Cap using Mars Global Surveyor Thermal Emission Spectrometer. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1315-1330.	3.6	8
3	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	10.1	188
4	Modeling the Angular Dependence of Emissivity of Randomly Rough Surfaces. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 585-601.	3.6	15
5	Widespread Shallow Water Ice on Mars at High Latitudes and Midlatitudes. <i>Geophysical Research Letters</i> , 2019, 46, 14290-14298.	4.0	59
6	The Subsurface Coherent Rock Content of the Moon as Revealed by Cold Spot Craters. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3373-3384.	3.6	10
7	Widespread distribution of OH/H ₂ O on the lunar surface inferred from spectral data. <i>Nature Geoscience</i> , 2018, 11, 173-177.	12.9	71
8	MGS's TES Spectra Suggest a Basaltic Component in the Regolith of Phobos. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2467-2484.	3.6	14
9	Lunar Cold Spots and Crater Production on the Moon. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2380-2392.	3.6	23
10	Distal ejecta from lunar impacts: Extensive regions of rocky deposits. <i>Icarus</i> , 2017, 283, 282-299.	2.5	35
11	Rover observations in Gusev Crater: Evidence for a style of weathering unique to Mars?. <i>American Mineralogist</i> , 2017, 102, 233-234.	1.9	1
12	The Lost City Hydrothermal Field: A Spectroscopic and Astrobiological Analogue for Nili Fossae, Mars. <i>Astrobiology</i> , 2017, 17, 1138-1160.	3.0	17
13	Global Regolith Thermophysical Properties of the Moon From the Diviner Lunar Radiometer Experiment. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2371-2400.	3.6	193
14	Extensive aqueous deposits at the base of the dichotomy boundary in Nilosyrtis Mensae, Mars. <i>Icarus</i> , 2016, 275, 29-44.	2.5	6
15	Constraints on the composition and particle size of chloride salt-bearing deposits on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 454-471.	3.6	50
16	Hemispheric asymmetry in martian seasonal surface water ice from MGS TES. <i>Icarus</i> , 2015, 260, 396-408.	2.5	15
17	Formation of lunar swirls by magnetic field standoff of the solar wind. <i>Nature Communications</i> , 2015, 6, 6189.	12.8	73
18	Lunar surface roughness derived from LRO Diviner Radiometer observations. <i>Icarus</i> , 2015, 248, 357-372.	2.5	92

#	ARTICLE	IF	CITATIONS
19	Lunar cold spots: Granular flow features and extensive insulating materials surrounding young craters. <i>Icarus</i> , 2014, 231, 221-231.	2.5	54
20	Constraints on the recent rate of lunar ejecta breakdown and implications for crater ages. <i>Geology</i> , 2014, 42, 1059-1062.	4.4	92
21	Lunar equatorial surface temperatures and regolith properties from the Diviner Lunar Radiometer Experiment. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	229
22	Lunar surface rock abundance and regolith fines temperatures derived from LRO Diviner Radiometer data. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	235
23	Global Silicate Mineralogy of the Moon from the Diviner Lunar Radiometer. <i>Science</i> , 2010, 329, 1507-1509.	12.6	154
24	Highly Silicic Compositions on the Moon. <i>Science</i> , 2010, 329, 1510-1513.	12.6	175
25	Diviner Lunar Radiometer Observations of Cold Traps in the Moon's South Polar Region. <i>Science</i> , 2010, 330, 479-482.	12.6	385
26	Effects of surface roughness and graybody emissivity on martian thermal infrared spectra. <i>Icarus</i> , 2009, 202, 414-428.	2.5	39
27	Derivation of martian surface slope characteristics from directional thermal infrared radiometry. <i>Icarus</i> , 2008, 193, 139-157.	2.5	34
28	Martian high latitude permafrost depth and surface cover thermal inertia distributions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	69
29	High-resolution subsurface water-ice distributions on Mars. <i>Nature</i> , 2007, 447, 64-67.	27.8	94
30	Mars Global Surveyor Thermal Emission Spectrometer experiment: Investigation description and surface science results. <i>Journal of Geophysical Research</i> , 2001, 106, 23823-23871.	3.3	903