

Jan Kähler

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

5,351
citations

257101

24
h-index

500791

28
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29
all docs

29
docs citations

29
times ranked

3976
citing authors

#	ARTICLE	IF	CITATIONS
1	A Generalized Approach to Model the Spectra and Radiation Dose Rate of Solar Particle Events on the Surface of Mars. <i>Astronomical Journal</i> , 2018, 155, 49.	1.9	32
2	Measurements of the neutral particle spectra on Mars by MSL/RAD from 2015-11-15 to 2016-01-15. <i>Life Sciences in Space Research</i> , 2017, 14, 12-17.	1.2	21
3	The Martian surface radiation environment – a comparison of models and MSL/RAD measurements. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A13.	1.1	70
4	Charged particle spectra measured during the transit to Mars with the Mars Science Laboratory Radiation Assessment Detector (MSL/RAD). <i>Life Sciences in Space Research</i> , 2016, 10, 29-37.	1.2	23
5	MODELING THE VARIATIONS OF DOSE RATE MEASURED BY RAD DURING THE FIRST MSL MARTIAN YEAR: 2012–2014. <i>Astrophysical Journal</i> , 2015, 810, 24.	1.6	43
6	On determining the zenith angle dependence of the Martian radiation environment at Gale Crater altitudes. <i>Geophysical Research Letters</i> , 2015, 42, 10,557.	1.5	21
7	Variations of dose rate observed by MSL/RAD in transit to Mars. <i>Astronomy and Astrophysics</i> , 2015, 577, A58.	2.1	35
8	MSL-RAD radiation environment measurements. <i>Radiation Protection Dosimetry</i> , 2015, 166, 290-294.	0.4	18
9	Comparison of Martian surface ionizing radiation measurements from MSL/RAD with Badhwar/Neill 2011/HZETRN model calculations. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1311-1321.	1.5	42
10	Diurnal variations of energetic particle radiation at the surface of Mars as observed by the Mars Science Laboratory Radiation Assessment Detector. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1345-1358.	1.5	44
11	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1245267.	6.0	323
12	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1242777.	6.0	687
13	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1243480.	6.0	508
14	Mars™ Surface Radiation Environment Measured with the Mars Science Laboratory™s Curiosity Rover. <i>Science</i> , 2014, 343, 1244797.	6.0	475
15	In Situ Radiometric and Exposure Age Dating of the Martian Surface. <i>Science</i> , 2014, 343, 1247166.	6.0	224
16	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. <i>Science</i> , 2014, 343, 1244734.	6.0	246
17	Charged particle spectra obtained with the Mars Science Laboratory Radiation Assessment Detector (MSL/RAD) on the surface of Mars. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 468-479.	1.5	64
18	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. <i>Science</i> , 2013, 341, 1238932.	6.0	327

#	ARTICLE	IF	CITATIONS
19	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. <i>Science</i> , 2013, 341, 1239505.	6.0	280
20	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. <i>Science</i> , 2013, 341, 263-266.	6.0	327
21	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. <i>Science</i> , 2013, 341, 1238937.	6.0	367
22	Isotope Ratios of H, C, and O in CO ₂ and H ₂ O of the Martian Atmosphere. <i>Science</i> , 2013, 341, 260-263.	6.0	241
23	Martian Fluvial Conglomerates at Gale Crater. <i>Science</i> , 2013, 340, 1068-1072.	6.0	326
24	The Petrochemistry of Jake_M: A Martian Mugearite. <i>Science</i> , 2013, 341, 1239463.	6.0	134
25	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. <i>Science</i> , 2013, 341, 1238670.	6.0	215
26	Low Upper Limit to Methane Abundance on Mars. <i>Science</i> , 2013, 342, 355-357.	6.0	103
27	Familial hypertrophic cardiomyopathy mutations in troponin I (K183 ^Δ , G203S, K206Q) enhance filament sliding. <i>Physiological Genomics</i> , 2003, 14, 117-128.	1.0	65
28	Mutation of the myosin converter domain alters cross-bridge elasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3557-3562.	3.3	89