

Adrian Jon Brown

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,579
citations

471509

17
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

1781
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflectance and emission spectroscopy study of four groups of phyllosilicates: smectites, kaolinite-serpentines, chlorites and micas. <i>Clay Minerals</i> , 2008, 43, 35-54.	0.6	424
2	Hydrothermal formation of Clay-Carbonate alteration assemblages in the Nili Fossae region of Mars. <i>Earth and Planetary Science Letters</i> , 2010, 297, 174-182.	4.4	169
3	Spectral curve fitting for automatic hyperspectral data analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 1601-1608.	6.3	167
4	Spectral properties of Ca-sulfates: Gypsum, bassanite, and anhydrite. <i>American Mineralogist</i> , 2014, 99, 2105-2115.	1.9	122
5	Perseverance rover reveals an ancient delta-lake system and flood deposits at Jezero crater, Mars. <i>Science</i> , 2021, 374, 711-717.	12.6	86
6	Olivine- Ca -Carbonate Mineralogy of the Jezero Crater Region. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006011.	3.6	79
7	The MARTE VNIR Imaging Spectrometer Experiment: Design and Analysis. <i>Astrobiology</i> , 2008, 8, 1001-1011.	3.0	70
8	The case for a modern multiwavelength, polarization-sensitive LIDAR in orbit around Mars. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 153, 131-143.	2.3	69
9	Hyperspectral imaging spectroscopy of a Mars analogue environment at the North Pole Dome, Pilbara Craton, Western Australia. <i>Australian Journal of Earth Sciences</i> , 2005, 52, 353-364.	1.0	61
10	Spectral bluing induced by small particles under the Mie and Rayleigh regimes. <i>Icarus</i> , 2014, 239, 85-95.	2.5	60
11	Contemporaneous deposition of phyllosilicates and sulfates: Using Australian acidic saline lake deposits to describe geochemical variability on Mars. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	53
12	Louth crater: Evolution of a layered water ice mound. <i>Icarus</i> , 2008, 196, 433-445.	2.5	38
13	Short-Wave Infrared Reflectance Investigation of Sites of Paleobiological Interest: Applications for Mars Exploration. <i>Astrobiology</i> , 2004, 4, 359-376.	3.0	36
14	Hydrothermal alteration at the Panorama Formation, North Pole Dome, Pilbara Craton, Western Australia. <i>Precambrian Research</i> , 2006, 151, 211-223.	2.7	33
15	Martian north polar cap summer water cycle. <i>Icarus</i> , 2016, 277, 401-415.	2.5	29
16	Interannual observations and quantification of summertime H ₂ O ice deposition on the Martian CO ₂ ice south polar cap. <i>Earth and Planetary Science Letters</i> , 2014, 406, 102-109.	4.4	24
17	Spectral Properties of Anhydrous Carbonates and Nitrates. <i>Earth and Space Science</i> , 2021, 8, e2021EA001844.	2.6	18
18	Characteristics, Origins, and Biosignature Preservation Potential of Carbonate-Bearing Rocks Within and Outside of Jezero Crater. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006898.	3.6	16

#	ARTICLE	IF	CITATIONS
19	Cladistical Analysis of the Jovian and Saturnian Satellite Systems. <i>Astrophysical Journal</i> , 2018, 859, 97.	4.5	11
20	Homogeneity assessment of the SuperCam calibration targets onboard rover perseverance. <i>Analytica Chimica Acta</i> , 2022, 1209, 339837.	5.4	9