

Roger N Clark

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

5,078
citations

20
h-index

26
g-index

26
ext. papers

5,702
ext. citations

12.4
avg, IF

5.23
L-index

#	Paper	IF	Citations
24	Quantifying uncertainty for remote spectroscopy of surface composition. <i>Remote Sensing of Environment</i> , 2020 , 247, 111898	13.2	13
23	Visible and Near-Infrared Reflectance Spectroscopy 2019 , 261-273		0
22	Discovery of alunite in cross crater, terra sirenum, mars: evidence for acidic, sulfurous waters. <i>American Mineralogist</i> , 2016 , 101, 1527-1542	2.9	39
21	10. Spectroscopy from Space 2014 , 399-446		1
20	Development, importance, and effect of a ground truth correction for the Moon Mineralogy Mapper reflectance data set. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 369-381	4.1	27
19	Observed Ices in the Solar System. <i>Astrophysics and Space Science Library</i> , 2013 , 3-46	0.3	16
18	Mineralogy and morphology of geologic units at Libya Montes, Mars: Ancient aqueously derived outcrops, mafic flows, fluvial features, and impacts. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 487-513	4.1	47
17	Compositional diversity and geologic insights of the Aristarchus crater from Moon Mineralogy Mapper data. <i>Journal of Geophysical Research</i> , 2011 , 116,		60
16	Thermal removal from near-infrared imaging spectroscopy data of the Moon. <i>Journal of Geophysical Research</i> , 2011 , 116,		73
15	Evidence for Low-Grade Metamorphism, Hydrothermal Alteration, and Diagenesis on Mars from Phyllosilicate Mineral Assemblages. <i>Clays and Clay Minerals</i> , 2011 , 59, 359-377	2.1	81
14	Identification of hydrated silicate minerals on Mars using MRO-CRISM: Geologic context near Nili Fossae and implications for aqueous alteration. <i>Journal of Geophysical Research</i> , 2009 , 114,		373
13	A synthesis of Martian aqueous mineralogy after 1 Mars year of observations from the Mars Reconnaissance Orbiter. <i>Journal of Geophysical Research</i> , 2009 , 114,		354
12	Detection of adsorbed water and hydroxyl on the Moon. <i>Science</i> , 2009 , 326, 562-4	33.3	261
11	Orbital identification of carbonate-bearing rocks on Mars. <i>Science</i> , 2008 , 322, 1828-32	33.3	470
10	Mapping vegetation in Yellowstone National Park using spectral feature analysis of AVIRIS data. <i>Remote Sensing of Environment</i> , 2003 , 84, 437-456	13.2	186
9	Imaging spectroscopy: Earth and planetary remote sensing with the USGS Tetracorder and expert systems. <i>Journal of Geophysical Research</i> , 2003 , 108,		408
8	Effects of spectrometer band pass, sampling, and signal-to-noise ratio on spectral identification using the Tetracorder algorithm. <i>Journal of Geophysical Research</i> , 2003 , 108,		53

7	Discovery of olivine in the Nili Fssae region of Mars. <i>Science</i> , 2003 , 302, 627-30	33.3	233
6	Using Imaging Spectroscopy To Map Acidic Mine Waste. <i>Environmental Science & Technology</i> , 2000 , 34, 47-54	10.3	172
5	Spectroscopic Determination of Leaf Biochemistry Using Band-Depth Analysis of Absorption Features and Stepwise Multiple Linear Regression. <i>Remote Sensing of Environment</i> , 1999 , 67, 267-287	13.2	588
4	Hydrous carbonates on Mars?: Evidence from Mariner 6/7 infrared spectrometer and ground-based telescopic spectra. <i>Journal of Geophysical Research</i> , 1994 , 99, 14659		69
3	Reflectance spectroscopy: Quantitative analysis techniques for remote sensing applications. <i>Journal of Geophysical Research</i> , 1984 , 89, 6329-6340		1197
2	Planetary reflectance measurements in the region of planetary thermal emission. <i>Icarus</i> , 1979 , 40, 94-103.8		36
1	USGS Digital Spectral Library splib06a. <i>Data Series</i> ,		320