Roger N Clark

List of Publications by Citations

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	Reflectance spectroscopy: Quantitative analysis techniques for remote sensing applications. *Journal of Geophysical Research*, **1984**, 89, 6329-6340		1197
23	Spectroscopic Determination of Leaf Biochemistry Using Band-Depth Analysis of Absorption Features and Stepwise Multiple Linear Regression. *Remote Sensing of Environment*, **1999**, 67, 267-287	13.2	588
22	Orbital identification of carbonate-bearing rocks on Mars. *Science*, **2008**, 322, 1828-32	33.3	470
21	Imaging spectroscopy: Earth and planetary remote sensing with the USGS Tetracorder and expert systems. *Journal of Geophysical Research*, **2003**, 108,		408
20	Identification of hydrated silicate minerals on Mars using MRO-CRISM: Geologic context near Nili Fossae and implications for aqueous alteration. *Journal of Geophysical Research*, **2009**, 114,		373
19	A synthesis of Martian aqueous mineralogy after 1 Mars year of observations from the Mars Reconnaissance Orbiter. *Journal of Geophysical Research*, **2009**, 114,		354
18	USGS Digital Spectral Library splib06a. *Data Series*,		320
17	Detection of adsorbed water and hydroxyl on the Moon. *Science*, **2009**, 326, 562-4	33.3	261
16	Discovery of olivine in the Nili Fssae region of Mars. *Science*, **2003**, 302, 627-30	33.3	233
15	Mapping vegetation in Yellowstone National Park using spectral feature analysis of AVIRIS data. *Remote Sensing of Environment*, **2003**, 84, 437-456	13.2	186
14	Using Imaging Spectroscopy To Map Acidic Mine Waste. *Environmental Science & Technology*, **2000**, 34, 47-54	10.3	172
13	Evidence for Low-Grade Metamorphism, Hydrothermal Alteration, and Diagenesis on Mars from Phyllosilicate Mineral Assemblages. *Clays and Clay Minerals*, **2011**, 59, 359-377	2.1	81
12	Thermal removal from near-infrared imaging spectroscopy data of the Moon. *Journal of Geophysical Research*, **2011**, 116,		73
11	Hydrous carbonates on Mars?: Evidence from Mariner 6/7 infrared spectrometer and ground-based telescopic spectra. *Journal of Geophysical Research*, **1994**, 99, 14659		69
10	Compositional diversity and geologic insights of the Aristarchus crater from Moon Mineralogy Mapper data. *Journal of Geophysical Research*, **2011**, 116,		60
9	Effects of spectrometer band pass, sampling, and signal-to-noise ratio on spectral identification using the Tetracorder algorithm. *Journal of Geophysical Research*, **2003**, 108,		53
8	Mineralogy and morphology of geologic units at Libya Montes, Mars: Ancient aqueously derived outcrops, mafic flows, fluvial features, and impacts. *Journal of Geophysical Research E: Planets*, **2013**, 118, 487-513	4.1	47

List of Publications

7	Discovery of alunite in cross crater, terra sirenum, mars: evidence for acidic, sulfurous waters. *American Mineralogist*, **2016**, 101, 1527-1542	2.9	39
6	Planetary reflectance measurements in the region of planetary thermal emission. *Icarus*, **1979**, 40, 94-103	3.8	36
5	Development, importance, and effect of a ground truth correction for the Moon Mineralogy Mapper reflectance data set. *Journal of Geophysical Research E: Planets*, **2013**, 118, 369-381	4.1	27
4	Observed Ices in the Solar System. *Astrophysics and Space Science Library*, **2013**, 3-46	0.3	16
3	Quantifying uncertainty for remote spectroscopy of surface composition. *Remote Sensing of Environment*, **2020**, 247, 111898	13.2	13
2	10. Spectroscopy from Space **2014**, 399-446		1
1	Visible and Near-Infrared Reflectance Spectroscopy **2019**, 261-273		0