

Craig Marshall

List of Publications by Year in descending order

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41
papers

1,536
citations

361413

20
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

1615
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonance Raman and polarized Raman scattering of single-crystal hematite. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 947-955.	2.5	6
2	GeoRaman. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1410-1414.	2.5	1
3	Polarized Raman spectra of hematite and assignment of external modes. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1522-1529.	2.5	78
4	Enhanced Olefin Metathesis Performance of Tungsten and Niobium Incorporated Bimetallic Silicates: Evidence of Synergistic Effects. <i>ChemCatChem</i> , 2020, 12, 2004-2013.	3.7	9
5	Experimental and Mechanistic Study of Stabilized Dry CO ₂ Foam Using Polyelectrolyte Complex Nanoparticles Compatible with Produced Water To Improve Hydraulic Fracturing Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 9431-9449.	3.7	29
6	Raman spectroscopy of the eight natural carbonate minerals of calcite structure. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1999-2007.	2.5	65
7	Imaging of Vanadium in Microfossils: A New Potential Biosignature. <i>Astrobiology</i> , 2017, 17, 1069-1076.	3.0	12
8	GeoRaman. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1398-1400.	2.5	2
9	Evaluating the Effects of Autofluorescence during Raman Hyperspectral Imaging. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 29-47.	3.1	4
10	11th International GeoRaman Conference. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 807-809.	2.5	2
11	Selection of Portable Spectrometers for Planetary Exploration: A Comparison of 532-nm and 785-nm Raman Spectroscopy of Reduced Carbon in Archean Cherts. <i>Astrobiology</i> , 2015, 15, 420-429.	3.0	20
12	Challenges Analyzing Gypsum on Mars by Raman Spectroscopy. <i>Astrobiology</i> , 2015, 15, 761-769.	3.0	14
13	Vibrational spectroscopy of fossils. <i>Palaeontology</i> , 2015, 58, 201-211.	2.2	58
14	Raman spectroscopy as a screening tool for ancient life detection on Mars. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20140195.	3.4	6
15	Potential for analysis of carbonaceous matter on Mars using Raman spectroscopy. <i>Planetary and Space Science</i> , 2014, 103, 184-190.	1.7	15
16	Reexamination of cell contents in Pennsylvanian spores and pollen grains using Raman spectroscopy. <i>Review of Palaeobotany and Palynology</i> , 2014, 210, 62-68.	1.5	8
17	Multiple generations of carbonaceous material deposited in Apex chert by basin-scale pervasive hydrothermal fluid flow. <i>Gondwana Research</i> , 2014, 25, 284-289.	6.0	27
18	A Givetian tintinnid-like palynomorph from Libya. <i>Review of Palaeobotany and Palynology</i> , 2014, 203, 3-8.	1.5	3

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19	Raman spectroscopic documentation of Oligocene bladder stone. <i>Die Naturwissenschaften</i> , 2013, 100, 789-794.	1.6	5
20	Raman Hyperspectral Imaging of Microfossils: Potential Pitfalls. <i>Astrobiology</i> , 2013, 13, 920-931.	3.0	38
21	Field-Based Raman Spectroscopic Analyses of an Ordovician Stromatolite. <i>Astrobiology</i> , 2013, 13, 814-820.	3.0	18
22	MICROCHEMICAL DIFFERENTIATION OF CONODONT AND SCOLECODONT MICROFOSSILS. <i>Palaios</i> , 2013, 28, 433-437.	1.3	8
23	Multiple Generations of Carbon in the Apex Chert and Implications for Preservation of Microfossils. <i>Astrobiology</i> , 2012, 12, 160-166.	3.0	62
24	THE END OF A MYTH: ARPYLORUS ANTIQUUS PALEOZOIC DINOFLAGELLATE CYST. <i>Palaios</i> , 2012, 27, 414-423.	1.3	15
25	RAMAN SPECTROSCOPIC INVESTIGATIONS OF BURGESS SHALE-TYPE PRESERVATION: A NEW WAY FORWARD. <i>Palaios</i> , 2012, 27, 288-292.	1.3	28
26	Haematite pseudomicrofossils present in the 3.5-billion-year-old Apex Chert. <i>Nature Geoscience</i> , 2011, 4, 240-243.	12.9	98
27	Hematite and carbonaceous materials in geological samples: A cautionary tale. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 80, 133-137.	3.9	26
28	The potential of Raman spectroscopy for the analysis of diagenetically transformed carotenoids. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 3137-3144.	3.4	91
29	FTIR characterisation of the chemical composition of Silurian miospores (cryptospores and trilete) <i>Tj ETQq1 1 0.784314 rgBT/Overlock</i>	1.5	16
30	Understanding the Application of Raman Spectroscopy to the Detection of Traces of Life. <i>Astrobiology</i> , 2010, 10, 229-243.	3.0	167
31	DESCRIPTION AND MICROSCALE ANALYSIS OF SOME ENIGMATIC PALYNOMORPHS FROM THE MIDDLE DEVONIAN (GIVETIAN) OF LIBYA. <i>Palynology</i> , 2009, 33, 101-112.	1.5	14
32	Raman spectroscopy and biomarker analysis reveal multiple carbon inputs to a Precambrian glacial sediment. <i>Organic Geochemistry</i> , 2009, 40, 1115-1123.	1.8	18
33	Structural characterization of kerogen in 3.4Ga Archaean cherts from the Pilbara Craton, Western Australia. <i>Precambrian Research</i> , 2007, 155, 1-23.	2.7	148
34	Macromolecular composition of the dinoflagellate cyst <i>Thalassiphora pelagica</i> (Oligocene, SW) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 14</i>	1.8	30
35	Carotenoid Analysis of Halophilic Archaea by Resonance Raman Spectroscopy. <i>Astrobiology</i> , 2007, 7, 631-643.	3.0	132
36	Infrared Spectroscopy of Microorganisms: Characterization, Identification, and Differentiation. <i>ACS Symposium Series</i> , 2007, , 64-84.	0.5	6

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37	Vibrational spectroscopy of extant and fossil microbes: Relevance for the astrobiological exploration of Mars. <i>Vibrational Spectroscopy</i> , 2006, 41, 182-189.	2.2	65
38	Raman spectroscopy reveals thermal palaeoenvironments of c.3.5 billion-year-old organic matter. <i>Vibrational Spectroscopy</i> , 2006, 41, 190-197.	2.2	65
39	Ball milling and annealing graphite in the presence of cobalt. <i>Carbon</i> , 2004, 42, 2179-2186.	10.3	27
40	Organic geochemistry of artificially matured conodonts. <i>Organic Geochemistry</i> , 2001, 32, 1055-1071.	1.8	31
41	X-ray photoelectron spectroscopy of conodonts. <i>Organic Geochemistry</i> , 1998, 28, 759-765.	1.8	9