

Paul R Craddock

List of Publications by Year in descending order

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41
papers

2,897
citations

236925

25
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

2681
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron Isotopic Compositions of Geological Reference Materials and Chondrites. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 101-123.	3.1	284
2	Iron isotopes may reveal the redox conditions of mantle melting from Archean to Present. <i>Earth and Planetary Science Letters</i> , 2009, 288, 255-267.	4.4	260
3	Iron, zinc, magnesium and uranium isotopic fractionation during continental crust differentiation: The tale from migmatites, granitoids, and pegmatites. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 97, 247-265.	3.9	203
4	Geochemistry of hydrothermal fluids from the PACMANUS, Northeast Pual and Vienna Woods hydrothermal fields, Manus Basin, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1088-1123.	3.9	185
5	Iron and carbon isotope evidence for microbial iron respiration throughout the Archean. <i>Earth and Planetary Science Letters</i> , 2011, 303, 121-132.	4.4	159
6	Abyssal peridotites reveal the near-chondritic Fe isotopic composition of the Earth. <i>Earth and Planetary Science Letters</i> , 2013, 365, 63-76.	4.4	149
7	Zinc stable isotopes in seafloor hydrothermal vent fluids and chimneys. <i>Earth and Planetary Science Letters</i> , 2008, 269, 17-28.	4.4	143
8	Sulfur isotope measurement of sulfate and sulfide by high-resolution MC-ICP-MS. <i>Chemical Geology</i> , 2008, 253, 102-113.	3.3	143
9	Rare earth element abundances in hydrothermal fluids from the Manus Basin, Papua New Guinea: Indicators of sub-seafloor hydrothermal processes in back-arc basins. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5494-5513.	3.9	137
10	Evolution of Kerogen and Bitumen during Thermal Maturation via Semi-Open Pyrolysis Investigated by Infrared Spectroscopy. <i>Energy & Fuels</i> , 2015, 29, 2197-2210.	5.1	124
11	Fast and accurate shale maturity determination by Raman spectroscopy measurement with minimal sample preparation. <i>International Journal of Coal Geology</i> , 2017, 173, 150-157.	5.0	107
12	Controls of fluid chemistry and complexation on rare-earth element contents of anhydrite from the Pacmanus subseafloor hydrothermal system, Manus Basin, Papua New Guinea. <i>Mineralium Deposita</i> , 2003, 38, 916-935.	4.1	77
13	Assessing thermal maturity beyond the reaches of vitrinite reflectance and Rock-Eval pyrolysis: A case study from the Silurian Qusaiba formation. <i>International Journal of Coal Geology</i> , 2017, 180, 29-45.	5.0	70
14	Sulfur Chemistry of Asphaltenes from a Highly Compositionally Graded Oil Column. <i>Energy & Fuels</i> , 2013, 27, 4604-4608.	5.1	67
15	Chemical, Molecular, and Microstructural Evolution of Kerogen during Thermal Maturation: Case Study from the Woodford Shale of Oklahoma. <i>Energy & Fuels</i> , 2018, 32, 4859-4872.	5.1	66
16	Unusual $\delta^{56}\text{Fe}$ values in Samoan rejuvenated lavas generated in the mantle. <i>Earth and Planetary Science Letters</i> , 2016, 450, 221-232.	4.4	64
17	Oxygen and iron isotope constraints on near-surface fractionation effects and the composition of lunar mare basalt source regions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6249-6262.	3.9	62
18	Sulfur speciation in kerogen and bitumen from gas and oil shales. <i>Organic Geochemistry</i> , 2014, 68, 5-12.	1.8	62

#	ARTICLE	IF	CITATIONS
19	Iron isotope fractionation in planetary crusts. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 31-45.	3.9	60
20	Submarine venting of magmatic volatiles in the Eastern Manus Basin, Papua New Guinea. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 178-199.	3.9	59
21	Insights to magmatic-hydrothermal processes in the Manus back-arc basin as recorded by anhydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5514-5536.	3.9	44
22	The neutron scattering length density of kerogen and coal as determined by CH ₃ OH/CD ₃ OH exchange. <i>Fuel</i> , 2014, 117, 801-808.	6.4	43
23	Kerogen thermal maturity and content of organic-rich mudrocks determined using stochastic linear regression models applied to diffuse reflectance IR Fourier transform spectroscopy (DRIFTS). <i>Organic Geochemistry</i> , 2017, 110, 122-133.	1.8	40
24	Sulfur Species in Source Rock Bitumen before and after Hydrous Pyrolysis Determined by X-ray Absorption Near-Edge Structure. <i>Energy & Fuels</i> , 2016, 30, 6264-6270.	5.1	36
25	XANES measurements of sulfur chemistry during asphalt oxidation. <i>Fuel</i> , 2015, 162, 179-185.	6.4	29
26	Geochemistry of hot-springs at the SuSu Knolls hydrothermal field, Eastern Manus Basin: Advanced argillic alteration and vent fluid acidity. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 25-48.	3.9	27
27	Permeability-porosity relationships in seafloor vent deposits: Dependence on pore evolution processes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	26
28	Impact of Laboratory-Induced Thermal Maturity on Asphaltene Molecular Structure. <i>Energy & Fuels</i> , 2016, 30, 7025-7036.	5.1	25
29	Universal Curves Describing the Chemical and Physical Evolution of Type II Kerogen during Thermal Maturation. <i>Energy & Fuels</i> , 2020, 34, 15217-15233.	5.1	23
30	Fe isotope fractionation during phase separation in the NaCl-H ₂ O system: An experimental study with implications for seafloor hydrothermal vents. <i>Earth and Planetary Science Letters</i> , 2014, 406, 223-232.	4.4	20
31	Evolution of sulfur speciation in bitumen through hydrous pyrolysis induced thermal maturation of Jordanian Ghareb Formation oil shale. <i>Fuel</i> , 2018, 219, 214-222.	6.4	17
32	Characterization and range of kerogen properties in the Vaca Muerta Formation, Neuquén Basin, Argentina. <i>Organic Geochemistry</i> , 2019, 129, 42-44.	1.8	14
33	Structure-Solubility Relationships in Coal, Petroleum, and Immature Source-Rock-Derived Asphaltenes. <i>Energy & Fuels</i> , 2020, 34, 10825-10836.	5.1	14
34	Acid demineralization with pyrite removal and critical point drying for kerogen microstructural analysis. <i>Fuel</i> , 2019, 253, 266-272.	6.4	11
35	Comparison of Quantitative Mineral Analysis By X-Ray Diffraction and Fourier Transform Infrared Spectroscopy. <i>Journal of Sedimentary Research</i> , 2017, 87, 630-652.	1.6	10
36	Downhole Estimate of the Enthalpy Required To Heat Oil Shale and Heavy Oil Formations. <i>Energy & Fuels</i> , 2017, 31, 362-373.	5.1	6

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37	Critical Practices for the Preparation and Analysis of Kerogen. Energy & Fuels, 2022, 36, 8828-8843.	5.1	5
38	Matrix-Adjusted Shale Porosity Measured in Horizontal Wells. Petrophysics, 2018, 3, 288-307.	0.3	4
39	Thermal Maturity-Adjusted Log Interpretation (TMALI) in Organic Shales. Petrophysics, 2019, 60, 540-559.	0.3	4
40	Robust determination of kerogen properties in organic-rich mudrocks via Raman Spectroscopy. Organic Geochemistry, 2022, 169, 104381.	1.8	4
41	Integrating Measured Kerogen Properties With Log Analysis for Petrophysics and Geomechanics in Unconventional Resources. Petrophysics, 2018, 59, 565-586.	0.3	3