

Olivier Pourret

List of Publications by Citations

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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.

70
papers

2,242
citations

28
h-index

46
g-index

105
ext. papers

2,599
ext. citations

6
avg, IF

5.4
L-index

#	Paper	IF	Citations
70	Rare earth elements complexation with humic acid. <i>Chemical Geology</i> , 2007 , 243, 128-141	4.2	164
69	Copper and cobalt accumulation in plants: a critical assessment of the current state of knowledge. <i>New Phytologist</i> , 2017 , 213, 537-551	9.8	135
68	Adsorption of REE(III)-humate complexes onto MnO ₂ : Experimental evidence for cerium anomaly and lanthanide tetrad effect suppression. <i>Geochimica Et Cosmochimica Acta</i> , 2005 , 69, 4825-4835	5.5	128
67	Assessment of soil contamination around an abandoned mine in a semi-arid environment using geochemistry and geostatistics: Pre-work of geochemical process modeling with numerical models. <i>Journal of Geochemical Exploration</i> , 2013 , 125, 117-129	3.8	97
66	New insights into cerium anomalies in organic-rich alkaline waters. <i>Chemical Geology</i> , 2008 , 251, 120-127	4.2	91
65	Impact of humate complexation on the adsorption of REE onto Fe oxyhydroxide. <i>Journal of Colloid and Interface Science</i> , 2004 , 277, 271-9	9.3	91
64	Competition between humic acid and carbonates for rare earth elements complexation. <i>Journal of Colloid and Interface Science</i> , 2007 , 305, 25-31	9.3	90
63	Competitive binding of REE to humic acid and manganese oxide: Impact of reaction kinetics on development of cerium anomaly and REE adsorption. <i>Chemical Geology</i> , 2008 , 247, 154-170	4.2	87
62	Organic complexation of rare earth elements in natural waters: Evaluating model calculations from ultrafiltration data. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 2718-2735	5.5	82
61	Geochemical modeling of Fe(II) binding to humic and fulvic acids. <i>Chemical Geology</i> , 2014 , 372, 109-118	4.2	78
60	A new discrimination scheme for oceanic ferromanganese deposits using high field strength and rare earth elements. <i>Ore Geology Reviews</i> , 2017 , 87, 3-15	3.2	75
59	Assessment of soil metal distribution and environmental impact of mining in Katanga (Democratic Republic of Congo). <i>Applied Geochemistry</i> , 2016 , 64, 43-55	3.5	71
58	Colloidal Control on the Distribution of Rare Earth Elements in Shallow Groundwaters. <i>Aquatic Geochemistry</i> , 2010 , 16, 31-59	1.7	68
57	The impact of igneous bedrock weathering on the Mo isotopic composition of stream waters: Natural samples and laboratory experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 86, 150-165	5.5	66
56	It's Time to Replace the Term "Heavy Metals" with "Potentially Toxic Elements" When Reporting Environmental Research. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	64
55	Rare earth elements sorption to iron oxyhydroxide: Model development and application to groundwater. <i>Applied Geochemistry</i> , 2017 , 87, 158-166	3.5	47
54	Rare earth element sorption onto hydrous manganese oxide: a modeling study. <i>Journal of Colloid and Interface Science</i> , 2013 , 395, 18-23	9.3	43

53	Organo-colloidal control on major- and trace-element partitioning in shallow groundwaters: Confronting ultrafiltration and modelling. <i>Applied Geochemistry</i> , 2007 , 22, 1568-1582	3.5	43
52	Negative cerium anomalies in manganese (hydr)oxide precipitates due to cerium oxidation in the presence of dissolved siderophores. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 196, 197-208	5.5	42
51	Biogeochemical Factors Affecting Rare Earth Element Distribution in Shallow Wetland Groundwater. <i>Aquatic Geochemistry</i> , 2015 , 21, 197-215	1.7	41
50	Copper and cobalt mobility in soil and accumulation in a metallophyte as influenced by experimental manipulation of soil chemical factors. <i>Chemosphere</i> , 2016 , 146, 75-84	8.4	36
49	Prediction of the edaphic factors influence upon the copper and cobalt accumulation in two metallophytes using copper and cobalt speciation in soils. <i>Plant and Soil</i> , 2014 , 379, 275-287	4.2	36
48	"Heavy metal" - What to do now: To use or not to use?. <i>Science of the Total Environment</i> , 2018 , 610-611, 419-420	10.2	34
47	Modeling lanthanide series binding sites on humic acid. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 45-50	9.3	33
46	Copper tolerance and accumulation in two cuprophytes of South Central Africa: <i>Crepidorhopalon perennis</i> and <i>C. tenuis</i> (Linderniaceae). <i>Environmental and Experimental Botany</i> , 2012 , 84, 11-16	5.9	32
45	Characterization of metal binding sites onto biochar using rare earth elements as a fingerprint. <i>Heliyon</i> , 2018 , 4, e00543	3.6	31
44	Modeling of rare earth element sorption to the Gram positive <i>Bacillus subtilis</i> bacteria surface. <i>Journal of Colloid and Interface Science</i> , 2014 , 413, 106-11	9.3	30
43	Extraction and separation of rare earth elements from hydrothermal metalliferous sediments. <i>Minerals Engineering</i> , 2018 , 118, 106-121	4.9	28
42	Assessment of vanadium distribution in shallow groundwaters. <i>Chemical Geology</i> , 2012 , 294-295, 89-102	4.2	28
41	Continental shelves as potential resource of rare earth elements. <i>Scientific Reports</i> , 2017 , 7, 5857	4.9	26
40	Rare earth element fractionation in heterogenite (CoOOH): implication for cobalt oxidized ore in the Katanga Copperbelt (Democratic Republic of Congo). <i>Journal of Geochemical Exploration</i> , 2015 , 159, 290-301	3.8	26
39	Effect of rare earth elements on rice plant growth. <i>Chemical Geology</i> , 2018 , 489, 28-37	4.2	25
38	Modeling of cobalt and copper speciation in metalliferous soils from Katanga (Democratic Republic of Congo). <i>Journal of Geochemical Exploration</i> , 2015 , 149, 87-96	3.8	24
37	Aqueous chemistry of Ce(IV): estimations using actinide analogues. <i>Dalton Transactions</i> , 2017 , 46, 13553-13561	4.3	23
36	Implication of plant-soil relationships for conservation and restoration of copper-cobalt ecosystems. <i>Plant and Soil</i> , 2016 , 403, 153-165	4.2	22

35	On the Necessity of Banning the Term Heavy Metal From the Scientific Literature. <i>Sustainability</i> , 2018 , 10, 2879	3.6	20
34	Lead distribution in soils impacted by a secondary lead smelter: Experimental and modelling approaches. <i>Science of the Total Environment</i> , 2016 , 568, 155-163	10.2	16
33	Effect of Cadmium, Copper and Lead on the Growth of Rice in the Coal Mining Region of Quang Ninh, Cam-Pha (Vietnam). <i>Sustainability</i> , 2018 , 10, 1758	3.6	15
32	Rare earth elements in French stream waters [Revisiting the geochemical continental cycle using FOREGS dataset. <i>Journal of Geochemical Exploration</i> , 2015 , 157, 132-142	3.8	14
31	Heavy metal: a misused term?. <i>Acta Geochimica</i> , 2021 , 40, 466-471	2.2	13
30	Behavior of rare earth elements in an aquifer perturbed by CO injection: Environmental implications. <i>Science of the Total Environment</i> , 2019 , 687, 978-990	10.2	12
29	Evaluation of the impact of organic matter composition on metal speciation in calcareous soil solution: Comparison of Model VI and NICA-Donnan. <i>Journal of Geochemical Exploration</i> , 2016 , 165, 1-7	3.8	11
28	Mobility of copper and cobalt in metalliferous ecosystems: Results of a lysimeter study in the Lubumbashi Region (Democratic Republic of Congo). <i>Journal of Geochemical Exploration</i> , 2019 , 196, 208-218	3.8	8
27	Fertilizer Potential of Struvite as Affected by Nitrogen Form in the Rhizosphere. <i>Sustainability</i> , 2020 , 12, 2212	3.6	7
26	A tale of two 'opens': intersections between Free and Open Source Software and Open Scholarship		7
25	Role of Manganese Oxyhydroxides in the Transport of Rare Earth Elements Along a Groundwater Flow Path. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
24	Open Access publishing practice in geochemistry: overview of current state and look to the future. <i>Heliyon</i> , 2020 , 6, e03551	3.6	5
23	Comments on "Factors affecting global flow of scientific knowledge in environmental sciences" by Sonne et al. (2020). <i>Science of the Total Environment</i> , 2020 , 721, 136454	10.2	5
22	Impact of Hydrous Manganese and Ferric Oxides on the Behavior of Aqueous Rare Earth Elements (REE): Evidence from a Modeling Approach and Implication for the Sink of REE. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	5
21	Biogeosciences Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science. <i>Earth and Space Science</i> , 2022 , 9,	3.1	5
20	Global Flow of Scholarly Publishing And Open Access. <i>Elements</i> , 2020 , 16, 6-7	3.8	4
19	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019 , 2019,	5	4
18	Distribution of rare earth elements in sediments of the North China Plain: A probe of sedimentation process. <i>Applied Geochemistry</i> , 2021 , 134, 105089	3.5	4

17	Our Study is Published, But the Journey is Not Finished!. <i>Elements</i> , 2020 , 16, 229-230	3.8	3
16	The growth of open access publishing in geochemistry. <i>Results in Geochemistry</i> , 2020 , 1, 100001	2	3
15	Geochemical signatures of rare earth elements and yttrium exploited by acid solution mining around an ion-adsorption type deposit: Role of source control and potential for recovery. <i>Science of the Total Environment</i> , 2022 , 804, 150241	10.2	3
14	Element Case Studies: Cobalt and Copper. <i>Mineral Resource Reviews</i> , 2018 , 233-239	0.5	2
13	The need for a new set of measures to assess the impact of research in earth sciences in Indonesia ⁴⁷ ,		2
12	Research Funding Bodies Need to Follow Scientific Evidence: Preprints Are Here to Stay		2
11	Diversity, equity, and inclusion: Tackling under-representation and recognition of talents in geochemistry and cosmochemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 310, 363-371	5.5	2
10	On the Potential of Preprints in Geochemistry: The Good, the Bad, and the Ugly. <i>Sustainability</i> , 2020 , 12, 3360	3.6	1
9	Open Access in Geochemistry from Preprints to Data Sharing: Past, Present, and Future. <i>Publications</i> , 2022 , 10, 3	1.7	1
8	The Europium anomaly in plants: facts and fiction. <i>Plant and Soil</i> , ¹	4.2	1
7	Biogeosciences Perspectives on Integrated, Coordinated, Open, Networked (ICON) Science		1
6	Toward More Inclusive Metrics and Open Science to Measure Research Assessment in Earth and Natural Sciences.. <i>Frontiers in Research Metrics and Analytics</i> , 2022 , 7, 850333	1.3	0
5	Effect of substrate properties and phosphorus supply on facilitating the uptake of rare earth elements (REE) in mixed culture cropping systems of <i>Hordeum vulgare</i> , <i>Lupinus albus</i> and <i>Lupinus angustifolius</i> .. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
4	Does carbon dioxide storage by cyanobacteria induce biomineralization in presence of basaltic glass?. <i>Geochemical Journal</i> , 2021 , 55, 51-58	0.9	
3	Element Case Studies: Cobalt. <i>Mineral Resource Reviews</i> , 2021 , 385-391	0.5	
2	Diversity Among Editorial Boards of Elements and Other Selected Geochemistry, Cosmochemistry, Mineralogy and Petrology Journals. <i>Elements</i> , 2021 , 17, 150-152	3.8	
1	Radiogenic isotope: Not just about words. <i>Applied Geochemistry</i> , 2022 , 142, 105348	3.5	