

Marc Benedetti

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.

160
papers

9,356
citations

49
h-index

94
g-index

168
ext. papers

10,138
ext. citations

6.5
avg, IF

5.85
L-index

#	Paper	IF	Citations
160	Toxicological impact studies based on Escherichia coli bacteria in ultrafine ZnO nanoparticles colloidal medium. <i>Nano Letters</i> , 2006 , 6, 866-70	11.5	1268
159	Ion binding to natural organic matter: competition, heterogeneity, stoichiometry and thermodynamic consistency. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 151, 147-166	5.1	624
158	Metal ion binding to humic substances: application of the non-ideal competitive adsorption model. <i>Environmental Science & Technology</i> , 1995 , 29, 446-57	10.3	500
157	Metal Ion Binding by Humic Acid: Application of the NICA-Donnan Model. <i>Environmental Science & Technology</i> , 1996 , 30, 1687-1698	10.3	454
156	Humic Substances Considered as a Heterogeneous Donnan Gel Phase. <i>Environmental Science & Technology</i> , 1996 , 30, 1805-1813	10.3	268
155	Characterization and copper binding of humic and nonhumic organic matter isolated from the South Platte River: evidence for the presence of nitrogenous binding site. <i>Environmental Science & Technology</i> , 2003 , 37, 328-36	10.3	267
154	Analytical Isotherm Equations for Multicomponent Adsorption to Heterogeneous Surfaces. <i>Journal of Colloid and Interface Science</i> , 1994 , 166, 51-60	9.3	248
153	Amazon River carbon dioxide outgassing fuelled by wetlands. <i>Nature</i> , 2014 , 505, 395-8	50.4	224
152	Metal ion binding by natural organic matter: From the model to the field. <i>Geochimica Et Cosmochimica Acta</i> , 1996 , 60, 2503-2513	5.5	213
151	pH Dependent Charging Behavior of Isolated Cell Walls of a Gram-Positive Soil Bacterium. <i>Journal of Colloid and Interface Science</i> , 1995 , 173, 354-363	9.3	148
150	Competitive Binding of Protons, Calcium, Cadmium, and Zinc to Isolated Cell Walls of a Gram-Positive Soil Bacterium. <i>Environmental Science & Technology</i> , 1996 , 30, 1902-1910	10.3	142
149	Metal ions speciation in a soil and its solution: experimental data and model results. <i>Geoderma</i> , 2003 , 113, 341-355	6.7	140
148	Stable isotopes of Cu and Zn in higher plants: evidence for Cu reduction at the root surface and two conceptual models for isotopic fractionation processes. <i>Environmental Science & Technology</i> , 2012 , 46, 2652-60	10.3	132
147	Plant-induced weathering of a basaltic rock: experimental evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2001 , 65, 137-152	5.5	131
146	Microbial biomass, enzyme and mineralization activity in relation to soil organic C, N and P turnover influenced by acid metal stress. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 969-977	7.5	126
145	Zn isotopic fractionation caused by sorption on goethite and 2-Lines ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 4886-4900	5.5	124
144	Zinc isotopic fractionation: why organic matters. <i>Environmental Science & Technology</i> , 2009 , 43, 5747-54	10.3	119

143	Metal ion binding to iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 2679-2698	5.5	110
142	Revealing forms of iron in river-borne material from major tropical rivers of the Amazon Basin (Brazil). <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 3079-3094	5.5	101
141	Mud volcano field seaward of the Barbados Accretionary Complex: A submersible survey. <i>Journal of Geophysical Research</i> , 1990 , 95, 8931		98
140	Lead and Calcium Binding to Fulvic Acids: Salt Effect and Competition. <i>Environmental Science & Technology</i> , 1999 , 33, 3398-3404	10.3	95
139	Polyol-made Mn ₃ O ₄ nanocrystals as efficient Fenton-like catalysts. <i>Applied Catalysis A: General</i> , 2010 , 386, 132-139	5.1	94
138	Occurrence of Zn/Al hydrotalcite in smelter-impacted soils from northern France: Evidence from EXAFS spectroscopy and chemical extractions. <i>American Mineralogist</i> , 2003 , 88, 509-526	2.9	89
137	Effect of dissolved organic matter composition on metal speciation in soil solutions. <i>Chemical Geology</i> , 2015 , 398, 61-69	4.2	85
136	Effect of Aluminum Competition on Lead and Cadmium Binding to Humic Acids at Variable Ionic Strength. <i>Environmental Science & Technology</i> , 2000 , 34, 5137-5143	10.3	85
135	Remobilization of arsenic from buried wastes at an industrial site: mineralogical and geochemical control. <i>Applied Geochemistry</i> , 1999 , 14, 1031-1048	3.5	85
134	The distributions of colloidal and dissolved organic carbon, major elements, and trace elements in small tropical catchments. <i>Geochimica Et Cosmochimica Acta</i> , 1996 , 60, 3643-3656	5.5	82
133	The Amazon River: behaviour of metals (Fe, Al, Mn) and dissolved organic matter in the initial mixing at the Rio Negro/Solimões confluence. <i>Chemical Geology</i> , 2003 , 197, 271-285	4.2	80
132	Mechanism of gold transfer and deposition in a supergene environment. <i>Geochimica Et Cosmochimica Acta</i> , 1991 , 55, 1539-1547	5.5	80
131	In situ study of binding of copper by fulvic acid: comparison of differential absorbance data and model predictions. <i>Water Research</i> , 2013 , 47, 588-96	12.5	76
130	Quantifying metal ions binding onto dissolved organic matter using log-transformed absorbance spectra. <i>Water Research</i> , 2013 , 47, 2603-11	12.5	76
129	Water-rock interactions in tropical catchments: field rates of weathering and biomass impact. <i>Chemical Geology</i> , 1994 , 118, 203-220	4.2	71
128	Field-flow fractionation characterization and binding properties of particulate and colloidal organic matter from the Rio Amazon and Rio Negro. <i>Organic Geochemistry</i> , 2002 , 33, 269-279	3.1	67
127	Uranium colloidal transport and origin of the ²³⁴ U/ ²³⁸ U fractionation in surface waters: new insights from Mount Cameroon. <i>Chemical Geology</i> , 2003 , 202, 365-381	4.2	66
126	Contrasting isotopic signatures between anthropogenic and geogenic Zn and evidence for post-depositional fractionation processes in smelter-impacted soils from Northern France. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 2295-2308	5.5	65

125	Chemical weathering of basaltic lava flows undergoing extreme climatic conditions: the water geochemistry record. <i>Chemical Geology</i> , 2003 , 201, 1-17	4.2	62
124	Modeling the interactions between humics, ions, and mineral surfaces. <i>Environmental Science & Technology</i> , 2006 , 40, 7473-80	10.3	60
123	Association of calcium with colloidal particles and speciation of calcium in the Kalix and Amazon rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 4059-4075	5.5	60
122	Influence of atmospheric deposits and secondary minerals on Li isotopes budget in a highly weathered catchment, Guadeloupe (Lesser Antilles). <i>Chemical Geology</i> , 2015 , 414, 28-41	4.2	59
121	Characterization of H ⁺ and Cd ²⁺ binding properties of the bacterial exopolysaccharides. <i>Chemosphere</i> , 2006 , 65, 1362-70	8.4	59
120	Using spectrophotometric titrations to characterize humic acid reactivity at environmental concentrations. <i>Environmental Science & Technology</i> , 2010 , 44, 6782-8	10.3	58
119	Quantifying Pb and Cd complexation by alginates and the role of metal binding on macromolecular aggregation. <i>Biomacromolecules</i> , 2005 , 6, 2756-64	6.9	57
118	Modeling iron binding to organic matter. <i>Environmental Science & Technology</i> , 2006 , 40, 7488-93	10.3	57
117	Comparison of dissolved inorganic and organic carbon yields and fluxes in the watersheds of tropical volcanic islands, examples from Guadeloupe (French West Indies). <i>Chemical Geology</i> , 2011 , 280, 65-78	4.2	55
116	Study of the trace metal ion influence on the turnover of soil organic matter in cultivated contaminated soils. <i>Environmental Pollution</i> , 2006 , 142, 521-9	9.3	54
115	Ion activity and distribution of heavy metals in acid mine drainage polluted subtropical soils. <i>Environmental Pollution</i> , 2009 , 157, 1249-57	9.3	53
114	Exopolysaccharides protect <i>Synechocystis</i> against the deleterious effects of titanium dioxide nanoparticles in natural and artificial waters. <i>Journal of Colloid and Interface Science</i> , 2013 , 405, 35-43	9.3	51
113	The iron status in colloidal matter from the Rio Negro, Brasil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 217, 1-9	5.1	49
112	Gold and iron oxide associations under supergene conditions: An experimental approach. <i>Geochimica Et Cosmochimica Acta</i> , 1996 , 60, 1531-1542	5.5	49
111	Zn Isotope Fractionation during Sorption Zn onto Kaolinite. <i>Environmental Science & Technology</i> , 2016 , 50, 1844-52	10.3	48
110	Chemical distribution of trivalent iron in riverine material from a tropical ecosystem: a quantitative EPR study. <i>Water Research</i> , 1999 , 33, 2726-2734	12.5	47
109	Interaction between <i>Escherichia coli</i> and TiO ₂ nanoparticles in natural and artificial waters. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 158-64	6	46
108	In-Situ Investigation of Interactions between Magnesium Ion and Natural Organic Matter. <i>Environmental Science & Technology</i> , 2015 , 49, 8323-9	10.3	45

107	Thallium (Tl) sorption onto illite and smectite: Implications for Tl mobility in the environment. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 230, 1-16	5.5	45
106	Dynamic of particulate and dissolved organic carbon in small volcanic mountainous tropical watersheds. <i>Chemical Geology</i> , 2013 , 351, 229-244	4.2	44
105	Colloidal γ -Al ₂ O ₃ Europium(III) and humic substances interactions: a macroscopic and spectroscopic study. <i>Environmental Science & Technology</i> , 2011 , 45, 3224-30	10.3	44
104	Formation of CO ₂ , H ₂ and condensed carbon from siderite dissolution in the 200-300°C range and at 50MPa. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 154, 201-211	5.5	43
103	Study of iron and aluminum binding to Suwannee River fulvic acid using absorbance and fluorescence spectroscopy: comparison of data interpretation based on NICA-Donnan and Stockholm humic models. <i>Water Research</i> , 2013 , 47, 5439-46	12.5	42
102	Removal of dissolved rhenium by sorption onto organic polymers: study of rhenium as an analogue of radioactive technetium. <i>Water Research</i> , 2004 , 38, 448-54	12.5	42
101	The geochemical filter of large river confluences. <i>Chemical Geology</i> , 2016 , 441, 191-203	4.2	41
100	Chemical signature of magnetotactic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1699-703	11.5	40
99	Dissolved organic matter dynamic in the Amazon basin: Sorption by mineral surfaces. <i>Chemical Geology</i> , 2011 , 286, 158-168	4.2	40
98	Organic complexation and translocation of ferric iron in podzols of the Negro River watershed. Separation of secondary Fe species from Al species. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 1813-1823	5.5	40
97	Combining spectroscopic and potentiometric approaches to characterize competitive binding to humic substances. <i>Environmental Science & Technology</i> , 2008 , 42, 5094-8	10.3	39
96	Adsorption mechanisms of trivalent gold on iron- and aluminum-(oxy)hydroxides. Part 1: X-ray absorption and Raman scattering spectroscopic studies of Au(III) adsorbed on ferrihydrite, goethite, and boehmite. <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 3019-3042	5.5	39
95	Application of Zn isotopes in environmental impact assessment of Zn/Pb metallurgical industries: A mini review. <i>Applied Geochemistry</i> , 2016 , 64, 128-135	3.5	38
94	Characterization of humic acid reactivity modifications due to adsorption onto γ -Al ₂ O ₃ . <i>Water Research</i> , 2012 , 46, 731-40	12.5	37
93	Spectroscopic characterization of the competitive binding of Eu(III), Ca(II), and Cu(II) to a sedimentary originated humic acid. <i>Chemical Geology</i> , 2009 , 264, 154-161	4.2	37
92	Carbon and metal concentrations, size distributions and fluxes in major rivers of the Amazon basin. <i>Hydrological Processes</i> , 2003 , 17, 1363-1377	3.3	34
91	Speciation, Size Fractionation and Transport of Trace Elements in the Continuum Soil Water-Mire-Humic Lake-River-Large Oligotrophic Lake of a Subarctic Watershed. <i>Aquatic Geochemistry</i> , 2016 , 22, 65-95	1.7	32
90	Donnan membrane approach: from equilibrium to dynamic speciation. <i>Environmental Science & Technology</i> , 2006 , 40, 5496-501	10.3	32

89	Uncoated and coated ZnO nanoparticle life cycle in synthetic seawater. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 341-9	3.8	30
88	Iron speciation in interaction with organic matter: Modelling and experimental approach. <i>Journal of Geochemical Exploration</i> , 2006 , 88, 166-171	3.8	30
87	Characterization of the colloidal organic matter from the Amazonian basin by asymmetrical flow field-flow fractionation and size exclusion chromatography. <i>Water Research</i> , 2010 , 44, 223-31	12.5	29
86	TiO ₂ nanomaterial detection in calcium rich matrices by spICPMS. A matter of resolution and treatment. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1400-1411	3.7	27
85	Effects of charging on the chromophores of dissolved organic matter from the Rio Negro basin. <i>Water Research</i> , 2014 , 59, 154-64	12.5	27
84	Adsorption of strontium and caesium onto an Na-MX80 bentonite: Experiments and building of a coherent thermodynamic modelling. <i>Applied Geochemistry</i> , 2017 , 87, 167-175	3.5	27
83	Behavior and fate of industrial zinc oxide nanoparticles in a carbonate-rich river water. <i>Chemosphere</i> , 2014 , 95, 519-26	8.4	27
82	Tectonic, climatic and hydrothermal control on sedimentation and water chemistry of northern Lake Malawi (Nyasa), Tanzania. <i>Journal of African Earth Sciences</i> , 2005 , 43, 433-446	2.2	27
81	Nature and properties of suspended solids in the Amazon Basin. <i>Bulletin - Societie Geologique De France</i> , 2002 , 173, 67-75	2.3	27
80	Metal ion geochemistry in smelter impacted soils and soil solutions. <i>Bulletin - Societie Geologique De France</i> , 2001 , 172, 539-548	2.3	25
79	Tracing source and evolution of suspended particles in the Rio Negro Basin (Brazil) using chemical species of iron. <i>Chemical Geology</i> , 2011 , 280, 79-88	4.2	24
78	Speciation and reactivity of lead and zinc in heavily and poorly contaminated soils: Stable isotope dilution, chemical extraction and model views. <i>Environmental Pollution</i> , 2017 , 225, 654-662	9.3	22
77	Zinc and copper behaviour at the soil-river interface: New insights by Zn and Cu isotopes in the organic-rich Rio Negro basin. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 213, 178-197	5.5	22
76	Metal ion binding to colloids from database to field systems. <i>Journal of Geochemical Exploration</i> , 2006 , 88, 81-85	3.8	22
75	Carbon dioxide biofixation by <i>Chlorella vulgaris</i> at different CO ₂ concentrations and light intensities. <i>Engineering in Life Sciences</i> , 2014 , 14, 509-519	3.4	21
74	Influence of dissolved organic matter and manganese oxides on metal speciation in soil solution: A modelling approach. <i>Environmental Pollution</i> , 2016 , 213, 618-627	9.3	21
73	Adsorption of strontium and caesium onto an Na-illite and Na-illite/Na-smectite mixtures: Implementation and application of a multi-site ion-exchange model. <i>Applied Geochemistry</i> , 2018 , 99, 65-74	2.5	21
72	Metals in the Aquatic Environment Interactions and Implications for the Speciation and Bioavailability: A Critical Overview. <i>Aquatic Geochemistry</i> , 2015 , 21, 231-257	1.7	20

71	Electrochemical methodology to study labile trace metal/natural organic matter complexation at low concentration levels in natural waters. <i>Analytica Chimica Acta</i> , 2004 , 521, 77-86	6.6	20
70	Multi-element stable isotopic dilution and multi-surface modelling to assess the speciation and reactivity of cadmium and copper in soil. <i>European Journal of Soil Science</i> , 2015 , 66, 973-982	3.4	18
69	Phytoavailability of zirconium in relation to its initial added form and soil characteristics. <i>Plant and Soil</i> , 2006 , 287, 313-325	4.2	18
68	Modelling Eu(III) speciation in a Eu(III)/PAHA/ Al_2O_3 ternary system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 435, 9-15	5.1	17
67	Rare earth elements in the Amazon basin. <i>Hydrological Processes</i> , 2003 , 17, 1379-1392	3.3	17
66	Exploring Cd, Cu, Pb, and Zn dynamic speciation in mining and smelting-contaminated soils with stable isotopic exchange kinetics. <i>Applied Geochemistry</i> , 2016 , 64, 157-163	3.5	16
65	Influence of solution parameters on europium(III), Al_2O_3 , and humic acid interactions: Macroscopic and time-resolved laser-induced luminescence data. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 123, 35-54	5.5	16
64	Podzolisation and exportation of organic matter in black waters of the Rio Negro (upper Amazon basin, Brazil). <i>Biogeochemistry</i> , 2011 , 106, 71-88	3.8	16
63	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
62	Spectroscopic in situ examination of interactions of rare earth ions with humic substances. <i>Water Research</i> , 2015 , 68, 273-81	12.5	15
61	Effect of radiation-induced amorphization on smectite dissolution. <i>Environmental Science & Technology</i> , 2010 , 44, 2509-14	10.3	15
60	Biogeochemical characteristics of organic matter in the particulate and colloidal fractions downstream of the rio Negro and Solimoes rivers confluence. <i>Agronomy for Sustainable Development</i> , 2000 , 20, 477-490		15
59	Eu(III)-Fulvic Acid Complexation: Evidence of Fulvic Acid Concentration Dependent Interactions by Time-Resolved Luminescence Spectroscopy. <i>Environmental Science & Technology</i> , 2016 , 50, 3706-13	10.3	15
58	uFREASI: user-FRIENDly Elemental dAta procesSIng. A free and easy-to-use tool for elemental data treatment. <i>Microchemical Journal</i> , 2015 , 121, 32-40	4.8	14
57	Flow and fate of silver nanoparticles in small French catchments under different land-uses: The first one-year study. <i>Water Research</i> , 2020 , 176, 115722	12.5	14
56	Isolation and purification treatments change the metal-binding properties of humic acids: effect of HF/HCl treatment. <i>Environmental Chemistry</i> , 2017 , 14, 417	3.2	14
55	The fate of C4 and C3 macrophyte carbon in central Amazon floodplain waters: Insights from a batch experiment. <i>Limnologia</i> , 2016 , 59, 90-98	2	14
54	Fate of particulate copper and zinc isotopes at the Solimões-Negro river confluence, Amazon Basin, Brazil. <i>Chemical Geology</i> , 2018 , 489, 1-15	4.2	14

53	Application of permeation liquid membrane and scanned stripping chronopotentiometry to metal speciation analysis of colloidal complexes. <i>Analytica Chimica Acta</i> , 2007 , 589, 261-8	6.6	14
52	Isotopically Labeled Nanoparticles at Relevant Concentrations: How Low Can We Go? The Case of CdSe/ZnS QDs in Surface Waters. <i>Environmental Science & Technology</i> , 2019 , 53, 2586-2594	10.3	13
51	Sr isotopic evidence for ion-exchange buffering in tropical laterites from the Parana-Brazil. <i>Chemical Geology</i> , 1997 , 136, 219-232	4.2	13
50	Transfer and deposition of gold in the Congo watershed. <i>Earth and Planetary Science Letters</i> , 1990 , 100, 108-117	5.3	12
49	Characterizing Soil Dissolved Organic Matter in Typical Soils from China Using Fluorescence EEM-PARAFAC and UV-Visible Absorption. <i>Aquatic Geochemistry</i> , 2020 , 26, 71-88	1.7	12
48	Contribution of siderite-water interaction for the unconventional generation of hydrocarbon gases in the Solimões basin, north-west Brazil. <i>Marine and Petroleum Geology</i> , 2016 , 71, 168-182	4.7	12
47	How Microbial Biofilms Control the Environmental Fate of Engineered Nanoparticles?. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	11
46	Colloids and suspended particulate matters influence on Ni availability in surface waters of impacted ultramafic systems in Brazil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 435, 36-47	5.1	11
45	Element variability in lacustrine systems of Terra Nova Bay (Antarctica) and concentration evolution in surface waters. <i>Chemosphere</i> , 2017 , 180, 343-355	8.4	10
44	Mechanisms affecting stormflow generation and solute behaviour in a Sahelian headwater catchment. <i>Journal of Hydrology</i> , 2007 , 337, 104-116	6	10
43	Occurrence and Origins of Cerium Dioxide and Titanium Dioxide Nanoparticles in the Loire River (France) by Single Particle ICP-MS and FEG-SEM Imaging. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	10
42	Zn isotopes fractionation during slugs weathering: One source of contamination, multiple isotopic signatures. <i>Chemosphere</i> , 2018 , 195, 483-490	8.4	9
41	Study of Ni exchangeable pool speciation in ultramafic and mining environments with isotopic exchange kinetic data and models. <i>Applied Geochemistry</i> , 2016 , 64, 146-156	3.5	9
40	Effect of natural organic matter on thallium and silver speciation. <i>Journal of Environmental Sciences</i> , 2020 , 93, 185-192	6.4	8
39	Tracing multi-isotopically labelled CdSe/ZnS quantum dots in biological media. <i>Scientific Reports</i> , 2020 , 10, 2866	4.9	8
38	A comprehensive probabilistic approach for integrating natural variability and parametric uncertainty in the prediction of trace metals speciation in surface waters. <i>Environmental Pollution</i> , 2018 , 242, 1087-1097	9.3	8
37	Dynamics of silver nanoparticles at the solution/biofilm/mineral interface. <i>Environmental Science: Nano</i> , 2018 , 5, 2394-2405	7.1	8
36	Geochemistry of waters associated with current karst bauxite formation, southern peninsula of Haiti. <i>Applied Geochemistry</i> , 1989 , 4, 37-47	3.5	8

35	Detection of nanoparticles by single-particle ICP-MS with complete transport efficiency through direct nebulization at few-microlitres-per-minute uptake rates. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 923-933	4.4	8
34	Formation of mixed Eu(III)-CO ₃ -fulvic acid complex: Spectroscopic evidence and NICA-Donnan modeling. <i>Chemical Geology</i> , 2019 , 522, 175-185	4.2	7
33	EDDIHEN: a new micro-flow liquid sample introduction system for direct injection nebulization in ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 1553-1563	3.7	7
32	Hydrological pulse regulating the bacterial heterotrophic metabolism between Amazonian mainstems and floodplain lakes. <i>Frontiers in Microbiology</i> , 2015 , 6, 1054	5.7	7
31	Experimental study of gold precipitation with synthetic iron hydroxides: HRTM-AEM and Mössbauer spectroscopy investigations. <i>Chemical Geology</i> , 1993 , 107, 297-300	4.2	7
30	Problems encountered in solid sampling-trace analysis of various geological samples by ETA-ZAAS. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1987 , 328, 342-345		7
29	Variation of the isotopic composition of dissolved organic carbon during the runoff cycle in the Amazon River and the floodplains. <i>Comptes Rendus - Geoscience</i> , 2018 , 350, 65-75	1.4	6
28	Theoretical and experimental investigation of the focusing position in asymmetrical flow field-flow fractionation (AF4). <i>Journal of Chromatography A</i> , 2018 , 1561, 67-75	4.5	6
27	Adsorption of Au ferrihydrites using Au-LIII edge XAFS spectroscopy. <i>Journal of Synchrotron Radiation</i> , 1999 , 6, 651-2	2.4	6
26	Sources of dissolved organic carbon in small volcanic mountainous tropical rivers, examples from Guadeloupe (French West Indies). <i>Geoderma</i> , 2016 , 282, 129-138	6.7	6
25	Comparison of the properties of standard soil and aquatic fulvic and humic acids based on the data of differential absorbance and fluorescence spectroscopy. <i>Chemosphere</i> , 2020 , 261, 128189	8.4	5
24	An Isotopic Exchange Kinetic Model to Assess the Speciation of Metal Available Pool in Soil: The Case of Nickel. <i>Environmental Science & Technology</i> , 2016 , 50, 12848-12856	10.3	5
23	Testing nanoeffect onto model bacteria: Impact of speciation and genotypes. <i>Nanotoxicology</i> , 2016 , 10, 216-25	5.3	5
22	The Fate of Polyol-Made ZnO and CdS Nanoparticles in Seine River Water (Paris, France). <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3900-8	1.3	4
21	Electron Transfer Drives Metal Cycling in the Critical Zone. <i>Elements</i> , 2020 , 16, 185-190	3.8	4
20	How microbial biofilms impact the interactions of Quantum Dots with mineral surfaces?. <i>NanoImpact</i> , 2020 , 19, 100247	5.6	3
19	Mobility and transformation of CdSe/ZnS quantum dots in soil: Role of the capping ligands and ageing effect. <i>Chemosphere</i> , 2020 , 254, 126868	8.4	3
18	A frugal implementation of Surface Enhanced Raman Scattering for sensing Zn in freshwaters - In depth investigation of the analytical performances. <i>Scientific Reports</i> , 2020 , 10, 1883	4.9	3

17	Aluminum behaviour in some alterites of eastern Amazonia (Brazil). <i>Chemical Geology</i> , 1990 , 84, 74-77	4.2	3
16	Are small mountainous tropical watersheds of oceanic islands important for carbon export?		3
15	Atmospheric contribution to cations cycling in highly weathered catchment, Guadeloupe (Lesser Antilles). <i>Chemical Geology</i> , 2020 , 531, 119354	4.2	3
14	Assessing CeO ₂ and TiO ₂ Nanoparticle Concentrations in the Seine River and Its Tributaries Near Paris. <i>Frontiers in Environmental Science</i> , 8,	4.8	3
13	On the use of a multi-site ion-exchange model to predictively simulate the adsorption behaviour of strontium and caesium onto French agricultural soils. <i>Applied Geochemistry</i> , 2021 , 132, 105052	3.5	3
12	Uranium (VI) Binding to Humic Substances: Speciation, Estimation of Competition, and Application to Independent Data. <i>Springer Geology</i> , 2011 , 565-572	0.8	2
11	Aquatic Organic Matter in the Seine Basin: Sources, Spatio-Temporal Variability, Impact of Urban Discharges and Influence on Micro-pollutant Speciation. <i>Handbook of Environmental Chemistry</i> , 2020 , 217-242	0.8	1
10	Fluorescence Quenching and Energy Transfer Phenomena Associated with the Interactions of Terbium Ion and Humic Acid. <i>Aquatic Geochemistry</i> , 2018 , 24, 195-207	1.7	1
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8	Bioavailability and extractability of copper and zinc in a soil amended with pig slurry: Effect of iron deficiency in the rhizosphere of two grasses 2005 , 337-363		1
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