

Edward Tipping

List of Publications by Year in descending order

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227
papers

15,993
citations

15495

65
h-index

19726

117
g-index

241
all docs

241
docs citations

241
times ranked

9780
citing authors

#	ARTICLE	IF	CITATIONS
1	Title is missing!. Aquatic Geochemistry, 1998, 4, 3-47.	1.5	746
2	The adsorption of aquatic humic substances by iron oxides. Geochimica Et Cosmochimica Acta, 1981, 45, 191-199.	1.6	741
3	WHAMCâ€”A chemical equilibrium model and computer code for waters, sediments, and soils incorporating a discrete site/electrostatic model of ion-binding by humic substances. Computers and Geosciences, 1994, 20, 973-1023.	2.0	726
4	Generic NICAâ€”Donnan Model Parameters for Metal-Ion Binding by Humic Substances. Environmental Science & Technology, 2003, 37, 958-971.	4.6	596
5	A unifying model of cation binding by humic substances. Geochimica Et Cosmochimica Acta, 1992, 56, 3627-3641.	1.6	570
6	Complexation with Dissolved Organic Matter and Solubility Control of Heavy Metals in a Sandy Soil. Environmental Science & Technology, 2002, 36, 4804-4810.	4.6	477
7	Generic NICA-Donnan Model Parameters for Proton Binding by Humic Substances. Environmental Science & Technology, 2001, 35, 2049-2059.	4.6	386
8	Humic Ion-Binding Model VII: a revised parameterisation of cation-binding by humic substances. Environmental Chemistry, 2011, 8, 225.	0.7	344
9	The solidâ€”solution partitioning of heavy metals (Cu, Zn, Cd, Pb) in upland soils of England and Wales. Environmental Pollution, 2003, 125, 213-225.	3.7	342
10	Al(III) and Fe(III) binding by humic substances in freshwaters, and implications for trace metal speciation. Geochimica Et Cosmochimica Acta, 2002, 66, 3211-3224.	1.6	339
11	The effects of adsorbed humic substances on the surface charge of goethite (α -FeOOH) in freshwaters. Geochimica Et Cosmochimica Acta, 1982, 46, 75-80.	1.6	265
12	Climatic influences on the leaching of dissolved organic matter from upland UK moorland soils, investigated by a field manipulation experiment. Environment International, 1999, 25, 83-95.	4.8	210
13	Deriving Soil Critical Limits for Cu, Zn, Cd, and Pb: A Method Based on Free Ion Concentrations. Environmental Science & Technology, 2004, 38, 3623-3631.	4.6	188
14	Atmospheric deposition of phosphorus to land and freshwater. Environmental Sciences: Processes and Impacts, 2014, 16, 1608-1617.	1.7	172
15	The effect of adsorbed humic substances on the colloid stability of haematite particles. Colloids and Surfaces, 1982, 5, 85-92.	0.9	168
16	Modelling the production and transport of dissolved organic carbon in forest soils. Biogeochemistry, 2003, 66, 241-264.	1.7	167
17	The C:N:P:S stoichiometry of soil organic matter. Biogeochemistry, 2016, 130, 117-131.	1.7	167
18	Artifacts in the use of selective chemical extraction to determine distributions of metals between oxides of manganese and iron. Analytical Chemistry, 1985, 57, 1944-1946.	3.2	166

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19	A low-molecular-weight protein from rat liver that resembles ligandin in its binding properties. <i>Biochemical Journal</i> , 1976, 155, 511-521.	1.7	157
20	Iron oxide from a seasonally anoxic lake. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 1411-1419.	1.6	157
21	Copper Speciation and Impacts on Bacterial Biosensors in the Pore Water of Copper-Contaminated Soils. <i>Environmental Science & Technology</i> , 2000, 34, 5115-5121.	4.6	150
22	A model of solid-solution interactions in acid organic soils, based on the complexation properties of humic substances. <i>Journal of Soil Science</i> , 1988, 39, 505-519.	1.2	144
23	Natural capital and ecosystem services, developing an appropriate soils framework as a basis for valuation. <i>Soil Biology and Biochemistry</i> , 2013, 57, 1023-1033.	4.2	144
24	Light-induced reduction of natural iron(III) oxide and its relevance to phytoplankton. <i>Nature</i> , 1984, 309, 783-784.	13.7	139
25	The complexation of protons, aluminium and calcium by aquatic humic substances: A model incorporating binding-site heterogeneity and macroionic effects. <i>Water Research</i> , 1988, 22, 597-611.	5.3	137
26	An assemblage model for cation binding by natural particulate matter. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2609-2625.	1.6	136
27	Relating dissolved organic matter fluorescence and functional properties. <i>Chemosphere</i> , 2008, 73, 1765-1772.	4.2	136
28	Modeling the competition between alkaline earth cations and trace metal species for binding by humic substances. <i>Environmental Science & Technology</i> , 1993, 27, 520-529.	4.6	118
29	The influence of soluble binding proteins on lipophile transport and metabolism in hepatocytes. <i>Biochemical Journal</i> , 1981, 195, 441-452.	1.7	115
30	Assessing WHAM/Model VII against field measurements of free metal ion concentrations: model performance and the role of uncertainty in parameters and inputs. <i>Environmental Chemistry</i> , 2011, 8, 501.	0.7	114
31	The Chemical Speciation of Fe(III) in Freshwaters. <i>Aquatic Geochemistry</i> , 2008, 14, 337-358.	1.5	110
32	Modelling the solid-solution distributions of protons, aluminium, base cations and humic substances in acid soils. <i>European Journal of Soil Science</i> , 1995, 46, 77-94.	1.8	108
33	Predicting the release of metals from ombrotrophic peat due to drought-induced acidification. <i>Environmental Pollution</i> , 2003, 123, 239-253.	3.7	106
34	Transfer functions for solid-solution partitioning of cadmium, copper, nickel, lead and zinc in soils: derivation of relationships for free metal ion activities and validation with independent data. <i>European Journal of Soil Science</i> , 2010, 61, 58-73.	1.8	106
35	Modelling the chemical speciation of trace metals in the surface waters of the Humber system. <i>Science of the Total Environment</i> , 1998, 210-211, 63-77.	3.9	105
36	Concentrations and fluxes of dissolved organic carbon in drainage water from an upland peat system. <i>Environment International</i> , 1998, 24, 537-546.	4.8	103

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37	Toxicity of protonated metal mixtures in the field: Linking stream macroinvertebrate species diversity to chemical speciation and bioavailability. <i>Aquatic Toxicology</i> , 2010, 100, 112-119.	1.9	101
38	Humic substances in acid organic soils: modelling their release to the soil solution in terms of humic charge. <i>Journal of Soil Science</i> , 1990, 41, 573-586.	1.2	100
39	Metals in bulk deposition and surface waters at two upland locations in northern England. <i>Environmental Pollution</i> , 2003, 121, 153-167.	3.7	98
40	Modelling ion binding by humic acids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 73, 117-131.	2.3	97
41	Adsorption by goethite ($\hat{1}\pm\text{-FeOOH}$) of humic substances from three different lakes. <i>Chemical Geology</i> , 1981, 33, 81-89.	1.4	96
42	Determination of molecular weights of humic substances by analytical (UV scanning) ultracentrifugation. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 131-138.	1.6	96
43	The adsorption of aquatic humic substances by two oxides of manganese. <i>Geochimica Et Cosmochimica Acta</i> , 1983, 47, 1393-1397.	1.6	92
44	Effect of Ocean Acidification on Organic and Inorganic Speciation of Trace Metals. <i>Environmental Science & Technology</i> , 2016, 50, 1906-1913.	4.6	92
45	Interactions of small molecules with phospholipid bilayers. Binding to egg phosphatidylcholine of some organic anions (bromosulphophthalein, oestrone sulphate, haem and bilirubin) that bind to ligandin and aminoazo-dye-binding protein A. <i>Biochemical Journal</i> , 1979, 180, 327-337.	3.2	87
46	The distribution of humic substances between the solid and aqueous phases of acid organic soils; a description based on humic heterogeneity and charge-dependent sorption equilibria. <i>Journal of Soil Science</i> , 1991, 42, 437-448.	1.2	87
47	Organic carbon in the Humber rivers. <i>Science of the Total Environment</i> , 1997, 194-195, 345-355.	3.9	86
48	Humic substances in acid surface waters; modelling aluminium binding, contribution to ionic charge-balance, and control of pH. <i>Water Research</i> , 1991, 25, 425-435.	5.3	83
49	Comparison of measured and modelled copper binding by natural organic matter in freshwaters. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002, 133, 37-49.	1.3	82
50	Increasing Iron Concentrations in UK Upland Waters. <i>Aquatic Geochemistry</i> , 2008, 14, 263-288.	1.5	80
51	Effects of climate change on nitrogen dynamics in upland soils. 1. A transplant approach. <i>Global Change Biology</i> , 1998, 4, 143-152.	4.2	79
52	Testing a humic speciation model by titration of copper-amended natural waters. <i>Environment International</i> , 1998, 24, 609-616.	4.8	78
53	Modelling Al competition for heavy metal binding by dissolved organic matter in soil and surface waters of acid and neutral pH. <i>Geoderma</i> , 2005, 127, 293-304.	2.3	77
54	Freshwater DOM quantity and quality from a two-component model of UV absorbance. <i>Water Research</i> , 2012, 46, 4532-4542.	5.3	77

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55	Colloid stability of iron oxide particles from a freshwater lake. <i>Nature</i> , 1984, 308, 266-268.	13.7	76
56	Aquatic and Terrestrial Humic Materials.. <i>Journal of Ecology</i> , 1984, 72, 702.	1.9	74
57	Aggregation of aquatic humic substances. <i>Chemical Geology</i> , 1984, 44, 349-357.	1.4	73
58	Critical Limits for Hg(II) in soils, derived from chronic toxicity data. <i>Environmental Pollution</i> , 2010, 158, 2465-2471.	3.7	73
59	Modelling pH buffering and aluminium solubility in European forest soils. <i>European Journal of Soil Science</i> , 2001, 52, 189-204.	1.8	72
60	The binding and catalytic activities of forms of ligandin after modification of its thiol groups. <i>Biochemical Journal</i> , 1979, 177, 433-439.	1.7	71
61	Dissolved Organic Carbon Leaching from a Coniferous Forest Floor – A Field Manipulation Experiment. <i>Biogeochemistry</i> , 2005, 75, 271-287.	1.7	71
62	Complexation of Co ²⁺ , Ni ²⁺ , UO ²⁺ and Ca ²⁺ by Humic Substances in Groundwaters. <i>Radiochimica Acta</i> , 1993, 61, 91-104.	0.5	70
63	The binding of porphyrins by ligandin. <i>Biochemical Journal</i> , 1978, 169, 509-516.	1.7	67
64	Oxidation products of Mn(II) in lake waters. <i>Chemical Geology</i> , 1984, 44, 359-383.	1.4	67
65	Canopy influence on trace metal atmospheric inputs on forest ecosystems: Speciation in throughfall. <i>Atmospheric Environment</i> , 2010, 44, 824-833.	1.9	67
66	Proton Binding by Groundwater Fulvic Acids of Different Age, Origins, and Structure Modeled with the Model V and NICA~Donnan Model. <i>Environmental Science & Technology</i> , 1998, 32, 3346-3355.	4.6	66
67	Sources and ages of dissolved organic matter in peatland streams: evidence from chemistry mixture modelling and radiocarbon data. <i>Biogeochemistry</i> , 2010, 100, 121-137.	1.7	66
68	Quantification of natural DOM from UV absorption at two wavelengths. <i>Environmental Chemistry</i> , 2009, 6, 472.	0.7	64
69	Modeling electrostatic and heterogeneity effects on proton dissociation from humic substances. <i>Environmental Science & Technology</i> , 1990, 24, 1700-1705.	4.6	63
70	The Non-Covalent Binding of Small Molecules by Ligandin. Interactions with Steroids and Their Conjugates, Fatty Acids, Bromosulphophthalein, Carcinogens, Glutathione and Related Compounds. <i>FEBS Journal</i> , 1976, 67, 583-590.	0.2	62
71	Some aspects of the interactions between particulate oxides and aquatic humic substances. <i>Marine Chemistry</i> , 1986, 18, 161-169.	0.9	62
72	Aluminium complexation by an aquatic humic fraction under acidic conditions. <i>Water Research</i> , 1987, 21, 211-216.	5.3	62

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73	The interaction between ribonuclease A and surfactants. <i>Biochemical Journal</i> , 1973, 135, 231-236.	1.7	61
74	Simulating the long-term chemistry of an upland UK catchment: Heavy metals. <i>Environmental Pollution</i> , 2006, 141, 139-150.	3.7	61
75	Modeling Iron Binding to Organic Matter. <i>Environmental Science & Technology</i> , 2006, 40, 7488-7493.	4.6	60
76	Testing WHAM with laboratory toxicity data for mixtures of metals (Cu, Zn). <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1009-1014.	2.2	59
77	The interaction between bovine serum albumin and surfactants. <i>Biochemical Journal</i> , 1975, 147, 229-234.	1.7	58
78	Dissolved organic matter in Cumbrian lakes and streams. <i>Freshwater Biology</i> , 1988, 19, 371-378.	1.2	58
79	Enthalpy of interaction between some globular proteins and sodium n-dodecyl sulphate in aqueous solution. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1974, 70, 1306.	1.0	57
80	Temperature dependence of Mn(II) oxidation in lakewaters: a test of biological involvement. <i>Geochimica Et Cosmochimica Acta</i> , 1984, 48, 1353-1356.	1.6	57
81	Aluminium speciation in acidic natural waters: Testing of a model for al-humic complexation. <i>Water Research</i> , 1988, 22, 321-326.	5.3	57
82	Modelling the interactions of Hg(II) and methylmercury with humic substances using WHAM/Model VI. <i>Applied Geochemistry</i> , 2007, 22, 1624-1635.	1.4	57
83	Long-term increases in soil carbon due to ecosystem fertilization by atmospheric nitrogen deposition demonstrated by regional-scale modelling and observations. <i>Scientific Reports</i> , 2017, 7, 1890.	1.6	57
84	Biological responses to the reversal of acidification in surface waters of the English Lake District. <i>Environmental Pollution</i> , 2002, 116, 137-146.	3.7	56
85	The interaction of some pesticides and herbicides with humic substances. <i>Analytica Chimica Acta</i> , 1996, 327, 191-201.	2.6	55
86	Solid-solution metal partitioning in the Humber rivers: application of WHAM and SCAMP. <i>Science of the Total Environment</i> , 2000, 251-252, 381-399.	3.9	55
87	Metal accumulation by stream bryophytes, related to chemical speciation. <i>Environmental Pollution</i> , 2008, 156, 936-943.	3.7	55
88	In Situ Speciation Measurements of Trace Metals in Headwater Streams. <i>Environmental Science & Technology</i> , 2009, 43, 7230-7236.	4.6	55
89	Metal Mixture Modeling Evaluation project: 2. Comparison of four modeling approaches. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 741-753.	2.2	55
90	Impact of two centuries of intensive agriculture on soil carbon, nitrogen and phosphorus cycling in the UK. <i>Science of the Total Environment</i> , 2018, 634, 1486-1504.	3.9	54

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91	A comparative study of proton and alkaline earth metal binding by humic substances. <i>Analytica Chimica Acta</i> , 1994, 294, 319-327.	2.6	51
92	Concentrations and fluxes of dissolved organic carbon in UK topsoils. <i>Science of the Total Environment</i> , 2008, 407, 460-470.	3.9	49
93	Metal mixture toxicity to aquatic biota in laboratory experiments: Application of the WHAM-FTOX model. <i>Aquatic Toxicology</i> , 2013, 142-143, 114-122.	1.9	48
94	Modelling the Binding of Europium and the Actinides by Humic Substances. <i>Radiochimica Acta</i> , 1993, 62, 141-152.	0.5	47
95	Europium binding by fulvic acids. <i>Analytica Chimica Acta</i> , 1998, 369, 171-180.	2.6	47
96	The interactions of haem with ligandin and aminoazo-dye-binding protein A.. <i>Biochemical Journal</i> , 1976, 157, 461-467.	1.7	46
97	Seasonal variations in the concentrations of humic substances in a soft-water lake1. <i>Limnology and Oceanography</i> , 1983, 28, 168-172.	1.6	44
98	Conditions required for the precipitation of aluminium in acidic natural waters. <i>Water Research</i> , 1988, 22, 585-592.	5.3	44
99	Aggregation of humic substances in aqueous media as determined by light-scattering methods. <i>Journal of Soil Science</i> , 1991, 42, 259-270.	1.2	44
100	Solubility of major cations and Cu, Zn and Cd in soil extracts of some contaminated agricultural soils near a zinc smelter in Norway: modelling with a multisurface extension of WHAM. <i>European Journal of Soil Science</i> , 2007, 58, 1074-1086.	1.8	44
101	The use of invertebrate body burdens to predict ecological effects of metal mixtures in mining-impacted waters. <i>Aquatic Toxicology</i> , 2013, 142-143, 294-302.	1.9	43
102	Dissolved trace metal speciation in estuarine and coastal waters: Comparison of WHAM/Model VII predictions with analytical results. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 53-63.	2.2	43
103	Deposition and resuspension of fine particles in a riverine "dead zone"™. <i>Hydrological Processes</i> , 1993, 7, 263-277.	1.1	41
104	Laboratory measurements and modeling of metal-humic interactions under estuarine conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 403-415.	1.6	41
105	Simulation of carbon cycling, including dissolved organic carbon transport, in forest soil locally enriched with 14C. <i>Biogeochemistry</i> , 2012, 108, 91-107.	1.7	41
106	Development and application of functional assays for freshwater dissolved organic matter. <i>Water Research</i> , 2005, 39, 4559-4573.	5.3	40
107	N14C: A plant-soil nitrogen and carbon cycling model to simulate terrestrial ecosystem responses to atmospheric nitrogen deposition. <i>Ecological Modelling</i> , 2012, 247, 11-26.	1.2	40
108	The molecular properties of humic substances isolated from a UK upland peat system. <i>Environment International</i> , 2001, 27, 449-462.	4.8	39

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109	Mobilization of optically invisible dissolved organic matter in response to rainstorm events in a tropical forest headwater river. <i>Geophysical Research Letters</i> , 2014, 41, 1202-1208.	1.5	38
110	Chemistry of riverine and estuarine suspended particles from the Ouse-Trent system, UK. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 120, 183-198.	2.3	37
111	CHUM: a hydrochemical model for upland catchments. <i>Journal of Hydrology</i> , 1996, 174, 305-330.	2.3	36
112	Mercury in United Kingdom topsoils; concentrations, pools, and Critical Limit exceedances. <i>Environmental Pollution</i> , 2011, 159, 3721-3729.	3.7	36
113	Nutrient fluxes from domestic wastewater: A national-scale historical perspective for the UK 1800-2010. <i>Science of the Total Environment</i> , 2016, 572, 1471-1484.	3.9	36
114	Accumulation of Al, Mn, Fe, Cu, Zn, Cd and Pb by the bryophyte <i>Scapania undulata</i> in three upland waters of different pH. <i>Environmental Pollution</i> , 2001, 114, 93-100.	3.7	35
115	Dynamic modelling of atmospherically-deposited Ni, Cu, Zn, Cd and Pb in Pennine catchments (northern England). <i>Environmental Pollution</i> , 2010, 158, 1521-1529.	3.7	35
116	Ligandin. <i>Biochemical Society Transactions</i> , 1975, 3, 626-630.	1.6	34
117	Predicting nitrogen and acidity effects on long-term dynamics of dissolved organic matter. <i>Environmental Pollution</i> , 2014, 184, 271-282.	3.7	34
118	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. <i>Biogeochemistry</i> , 2019, 146, 105-123.	1.7	33
119	The aggregation of silica and haematite particles dispersed in natural water samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 118, 97-105.	2.3	32
120	Modelling the solid-solution partitioning of organic matter in European forest soils. <i>European Journal of Soil Science</i> , 2001, 52, 215-226.	1.8	32
121	Long-term effects of experimental fertilization and soil warming on dissolved organic matter leaching from a spruce forest in Northern Sweden. <i>Geoderma</i> , 2013, 200-201, 172-179.	2.3	32
122	Long-term P weathering and recent N deposition control contemporary plant-soil C, N, and P. <i>Global Biogeochemical Cycles</i> , 2016, 30, 231-249.	1.9	32
123	Effects of pH on the release of metals from naturally-occurring oxides of Mn and Fe. <i>Environmental Technology Letters</i> , 1986, 7, 109-114.	0.4	30
124	An Evaluation of the Use of Cation-Exchange Resin for the Determination of Organically-Complexed Al in Natural Acid Waters. <i>International Journal of Environmental Analytical Chemistry</i> , 1987, 30, 135-143.	1.8	30
125	Reversal of acidification in upland waters of the English Lake District. <i>Environmental Pollution</i> , 1998, 103, 143-151.	3.7	30
126	Mean residence time of O horizon carbon along a climatic gradient in Scandinavia estimated by ¹⁴ C measurements of archived soils. <i>Biogeochemistry</i> , 2011, 104, 227-236.	1.7	29

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127	Aluminium speciation in forest soil solution – modelling the contribution of low molecular weight organic acids. <i>Science of the Total Environment</i> , 2001, 278, 215-229.	3.9	28
128	Cation binding by acid-washed peat, interpreted with Humic Ion-Binding Model VI-FD. <i>European Journal of Soil Science</i> , 2004, 55, 433-447.	1.8	28
129	The organic carbon dynamics of a moorland catchment in N. W. England. <i>Biogeochemistry</i> , 2007, 84, 171-189.	1.7	28
130	Metal ion–humic substance interaction A thermodynamic study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 95-100.	1.7	27
131	On the Acid–Base Properties of Humic Acid in Soil. <i>Environmental Science & Technology</i> , 2007, 41, 465-470.	4.6	27
132	Long-term organic carbon turnover rates in natural and semi-natural topsoils. <i>Biogeochemistry</i> , 2014, 118, 257-272.	1.7	27
133	Spectroscopic studies of the binding of bilirubin by ligandin and aminoazo-dye-binding protein A. <i>Biochemical Journal</i> , 1976, 157, 211-216.	1.7	26
134	Simulating the long-term chemistry of an upland UK catchment: Major solutes and acidification. <i>Environmental Pollution</i> , 2006, 141, 151-166.	3.7	26
135	Functional variability of dissolved organic matter from the surface water of a productive lake. <i>Water Research</i> , 2008, 42, 81-90.	5.3	26
136	Proton and copper binding by humic acid: application of a discrete-site/electrostatic ion-binding model. <i>European Journal of Soil Science</i> , 1995, 46, 95-101.	1.8	25
137	Trace metals in the open oceans: speciation modelling based on humic-type ligands. <i>Environmental Chemistry</i> , 2011, 8, 304.	0.7	25
138	Metal and proton toxicity to lake zooplankton: A chemical speciation based modelling approach. <i>Environmental Pollution</i> , 2014, 186, 115-125.	3.7	25
139	Metal speciation from stream to open ocean: modelling v. measurement. <i>Environmental Chemistry</i> , 2016, 13, 464.	0.7	25
140	Forms of iron in the oxygenated waters of Esthwaite Water, U.K.. <i>Hydrobiologia</i> , 1982, 91-92, 383-393.	1.0	24
141	Interactions of small molecules with phospholipid bilayers. Binding to egg phosphatidylcholine of some uncharged molecules (2-acetylaminofluorene, 4-dimethylaminoazobenzene, oestrone and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 11</i> <i>Biophys J</i> , 1995, 68, 319-326.	3.2	23
142	Experimental determination of partial specific volumes of humic substances in aqueous solutions. <i>Analytica Chimica Acta</i> , 1995, 314, 149-159.	2.6	23
143	Solid-Solution Distributions of Radionuclides in Acid Soils: Application of the WHAM Chemical Speciation Model. <i>Environmental Science & Technology</i> , 1995, 29, 1365-1372.	4.6	23
144	Americium Binding to Humic Acid. <i>Environmental Science & Technology</i> , 2001, 35, 3495-3500.	4.6	23

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145	Dissolved organic carbon in soil solutions: a comparison of collection methods. <i>Soil Use and Management</i> , 2008, 24, 29-36.	2.6	23
146	Simulating long-term carbon nitrogen and phosphorus biogeochemical cycling in agricultural environments. <i>Science of the Total Environment</i> , 2020, 714, 136599.	3.9	23
147	Estimating streamwater concentrations of aluminium released from streambeds during acid episodes. <i>Environmental Technology Letters</i> , 1988, 9, 703-712.	0.4	22
148	DEVELOPING A CRITICAL LOAD APPROACH FOR NATIONAL RISK ASSESSMENTS OF ATMOSPHERIC METAL DEPOSITION. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 883.	2.2	22
149	Long-term mercury dynamics in UK soils. <i>Environmental Pollution</i> , 2011, 159, 3474-3483.	3.7	21
150	Nitrogen deposition effects on plant species diversity; threshold loads from field data. <i>Environmental Pollution</i> , 2013, 179, 218-223.	3.7	21
151	The determination of the molecular mass of humic substances from natural waters by analytical ultracentrifugation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 73, 19-28.	2.3	20
152	Effects of aluminium in acid streams on growth and sporulation of aquatic hyphomycetes. <i>Environmental Pollution</i> , 1997, 96, 289-298.	3.7	20
153	Soil organic matter turnover in British deciduous woodlands, quantified with radiocarbon. <i>Geoderma</i> , 2010, 155, 10-18.	2.3	20
154	Aluminium speciation in streams and lakes of the UK Acid Waters Monitoring Network, modelled with WHAM. <i>Science of the Total Environment</i> , 2011, 409, 1550-1558.	3.9	20
155	Recovery of macroinvertebrate species richness in acidified upland waters assessed with a field toxicity model. <i>Ecological Indicators</i> , 2014, 37, 341-350.	2.6	20
156	Mains water leakage: Implications for phosphorus source apportionment and policy responses in catchments. <i>Science of the Total Environment</i> , 2017, 579, 702-708.	3.9	20
157	An investigation of the distribution of phosphorus between free and mineral associated soil organic matter, using density fractionation. <i>Plant and Soil</i> , 2018, 427, 139-148.	1.8	20
158	Organic complexation of Al in acid waters: model-testing by titration of a streamwater sample. <i>Water Research</i> , 1988, 22, 593-595.	5.3	18
159	Acid-sensitive waters of the English Lake District: A steady-state model of streamwater chemistry in the upper Duddon catchment. <i>Environmental Pollution</i> , 1989, 60, 181-208.	3.7	18
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