Edward Tipping

List of Publications by Year
in descending order

227 papers	15,993 citations	15504 65 h-index	19749 117 g-index
241 all docs	241 docs citations	241 times ranked	9780 citing authors

#	Article	IF	Citations
1	Relationships between riverine and terrestrial dissolved organic carbon: Concentration, radiocarbon signature, specific UV absorbance. Science of the Total Environment, 2022, 817, 153000.	8.0	3
2	The use of WHAM-FTOX, parameterized with laboratory data, to simulate zooplankton species richness in acid- and metal- contaminated lakes. Aquatic Toxicology, 2021, 231, 105708.	4.0	2
3	Changes in carbon storage since the pre-industrial era: A national scale analysis. Anthropocene, 2021, 34, 100289.	3.3	6
4	Long-term effects of atmospheric deposition on British plant species richness. Environmental Pollution, 2021, 281, 117017.	7.5	6
5	Long term simulations of macronutrients (C, N and P) in UK freshwaters. Science of the Total Environment, 2021, 776, 145813.	8.0	14
6	Phosphorus supply affects long-term carbon accumulation in mid-latitude ombrotrophic peatlands. Communications Earth & Environment, 2021, 2, .	6.8	5
7	Simulating long-term carbon nitrogen and phosphorus biogeochemical cycling in agricultural environments. Science of the Total Environment, 2020, 714, 136599.	8.0	23
8	Estimation of WHAM7 constants for GaIII, InIII, SbIII and BiIII from linear free energy relationships, and speciation calculations for natural waters. Environmental Chemistry, 2020, 17, 140.	1.5	4
9	Measured estimates of semi-natural terrestrial NPP in Great Britain: comparison with modelled values, and dependence on atmospheric nitrogen deposition. Biogeochemistry, 2019, 144, 215-227.	3.5	14
10	Systematic analysis of freshwater metal toxicity with WHAM-FTOX. Aquatic Toxicology, 2019, 212, 128-137.	4.0	9
11	Modelling the physical states, element stoichiometries and residence times of topsoil organic matter. European Journal of Soil Science, 2019, 70, 321-337.	3.9	5
12	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. Biogeochemistry, 2019, 146, 105-123.	3.5	33
13	The contribution of algae to freshwater dissolved organic matter: implications for UV spectroscopic analysis. Inland Waters, 2018, 8, 10-21.	2.2	12
14	Impact of two centuries of intensive agriculture on soil carbon, nitrogen and phosphorus cycling in the UK. Science of the Total Environment, 2018, 634, 1486-1504.	8.0	54
15	An investigation of the distribution of phosphorus between free and mineral associated soil organic matter, using density fractionation. Plant and Soil, 2018, 427, 139-148.	3.7	20
16	Mains water leakage: Implications for phosphorus source apportionment and policy responses in catchments. Science of the Total Environment, 2017, 579, 702-708.	8.0	20
17	Long-term increases in soil carbon due to ecosystem fertilization by atmospheric nitrogen deposition demonstrated by regional-scale modelling and observations. Scientific Reports, 2017, 7, 1890.	3.3	57
18	Longâ€term P weathering and recent N deposition control contemporary plantâ€soil C, N, and P. Global Biogeochemical Cycles, 2016, 30, 231-249.	4.9	32

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19	The C:N:P:S stoichiometry of soil organic matter. Biogeochemistry, 2016, 130, 117-131.	3.5	167
20	150 years of macronutrient change in unfertilized UK ecosystems: Observations vs simulations. Science of the Total Environment, 2016, 572, 1485-1495.	8.0	14
21	Long-term macronutrient stoichiometry of UK ombrotrophic peatlands. Science of the Total Environment, 2016, 572, 1561-1572.	8.0	18
22	Nutrient fluxes from domestic wastewater: A national-scale historical perspective for the UK 1800â€“2010. Science of the Total Environment, 2016, 572, 1471-1484.	8.0	36
23	Effect of Ocean Acidification on Organic and Inorganic Speciation of Trace Metals. Environmental Science & Technology, 2016, 50, 1906-1913.	10.0	92
24	Macronutrient processing by temperate lakes: A dynamic model for long-term, large-scale application. Science of the Total Environment, 2016, 572, 1573-1585.	8.0	9
25	Productivity in a dominant herbaceous species is largely unrelated to soil macronutrient stocks. Science of the Total Environment, 2016, 572, 1636-1644.	8.0	5
26	Metal speciation from stream to open ocean: modelling v. measurement. Environmental Chemistry, 2016, 13, 464.	1.5	25
27	Dependence of ombrotrophic peat nitrogen on phosphorus and climate. Biogeochemistry, 2015, 125, 11-20.	3.5	16
28	Dissolved trace metal speciation in estuarine and coastal waters: Comparison of WHAM/Model VII predictions with analytical results. Environmental Toxicology and Chemistry, 2015, 34, 53-63.	4.3	43
29	Aged riverine particulate organic carbon in four UK catchments. Science of the Total Environment, 2015, 536, 648-654.	8.0	15
30	Testing WHAMâ€F_{TOX} with laboratory toxicity data for mixtures of metals (Cu, Zn,) Tj ETQq0 0 0 rgBT /Overlock 10	4.3	59
31	Metal Mixture Modeling Evaluation project: 2. Comparison of four modeling approaches. Environmental Toxicology and Chemistry, 2015, 34, 741-753.	4.3	55
32	Long-term organic carbon turnover rates in natural and semi-natural topsoils. Biogeochemistry, 2014, 118, 257-272.	3.5	27
33	Dynamic modelling of the long term behaviour of cadmium, lead and mercury in Swiss forest soils using CHUM-AM. Science of the Total Environment, 2014, 468-469, 864-876.	8.0	11
34	Atmospheric deposition of phosphorus to land and freshwater. Environmental Sciences: Processes and Impacts, 2014, 16, 1608-1617.	3.5	172
35	Metal and proton toxicity to lake zooplankton: A chemical speciation based modelling approach. Environmental Pollution, 2014, 186, 115-125.	7.5	25
36	Predicting nitrogen and acidity effects on long-term dynamics of dissolved organic matter. Environmental Pollution, 2014, 184, 271-282.	7.5	34

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37	Recovery of macroinvertebrate species richness in acidified upland waters assessed with a field toxicity model. Ecological Indicators, 2014, 37, 341-350.	6.3	20
38	Mobilization of optically invisible dissolved organic matter in response to rainstorm events in a tropical forest headwater river. Geophysical Research Letters, 2014, 41, 1202-1208.	4.0	38
39	Investigating humic substances interactions with Th4+, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>UO</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>NpO</mml:mtext></mml:mrow> Geochimica Et Cosmochimica Acta, 2013, 121, 215-228.	3.9	8
40	An intermediate complexity dynamic model for predicting accumulation of atmospherically-deposited metals (Ni, Cu, Zn, Cd, Pb) in catchment soils: 1400 to present. Environmental Pollution, 2013, 180, 236-245.	7.5	8
41	Metal mixture toxicity to aquatic biota in laboratory experiments: Application of the WHAM-FTOX model. Aquatic Toxicology, 2013, 142-143, 114-122.	4.0	48
42	Long-term effects of experimental fertilization and soil warming on dissolved organic matter leaching from a spruce forest in Northern Sweden. Geoderma, 2013, 200-201, 172-179.	5.1	32
43	The use of invertebrate body burdens to predict ecological effects of metal mixtures in mining-impacted waters. Aquatic Toxicology, 2013, 142-143, 294-302.	4.0	43
44	Nitrogen deposition effects on plant species diversity; threshold loads from field data. Environmental Pollution, 2013, 179, 218-223.	7.5	21
45	Natural capital and ecosystem services, developing an appropriate soils framework as a basis for valuation. Soil Biology and Biochemistry, 2013, 57, 1023-1033.	8.8	144
46	Freshwater DOM quantity and quality from a two-component model of UV absorbance. Water Research, 2012, 46, 4532-4542.	11.3	77
47	N14C: A plantâ€“soil nitrogen and carbon cycling model to simulate terrestrial ecosystem responses to atmospheric nitrogen deposition. Ecological Modelling, 2012, 247, 11-26.	2.5	40
48	Atmospheric pollution histories of three Cumbrian surface waters. Freshwater Biology, 2012, 57, 244-259.	2.4	3
49	Simulation of carbon cycling, including dissolved organic carbon transport, in forest soil locally enriched with 14C. Biogeochemistry, 2012, 108, 91-107.	3.5	41
50	Trace metals in the open oceans: speciation modelling based on humic-type ligands. Environmental Chemistry, 2011, 8, 304.	1.5	25
51	Humic Ion-Binding Model VII: a revised parameterisation of cation-binding by humic substances. Environmental Chemistry, 2011, 8, 225.	1.5	344
52	Assessing WHAM/Model VII against field measurements of free metal ion concentrations: model performance and the role of uncertainty in parameters and inputs. Environmental Chemistry, 2011, 8, 501.	1.5	114
53	Aluminium speciation in streams and lakes of the UK Acid Waters Monitoring Network, modelled with WHAM. Science of the Total Environment, 2011, 409, 1550-1558.	8.0	20
54	Mercury in United Kingdom topsoils; concentrations, pools, and Critical Limit exceedances. Environmental Pollution, 2011, 159, 3721-3729.	7.5	36

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55	Long-term mercury dynamics in UK soils. Environmental Pollution, 2011, 159, 3474-3483.	7.5	21
56	Mean residence time of O horizon carbon along a climatic gradient in Scandinavia estimated by 14C measurements of archived soils. Biogeochemistry, 2011, 104, 227-236.	3.5	29
57	Sources and ages of dissolved organic matter in peatland streams: evidence from chemistry mixture modelling and radiocarbon data. Biogeochemistry, 2010, 100, 121-137.	3.5	66
58	Dynamic modelling of atmospherically-deposited Ni, Cu, Zn, Cd and Pb in Pennine catchments (northern England). Environmental Pollution, 2010, 158, 1521-1529.	7.5	35
59	Critical Limits for Hg(II) in soils, derived from chronic toxicity data. Environmental Pollution, 2010, 158, 2465-2471.	7.5	73
60	Canopy influence on trace metal atmospheric inputs on forest ecosystems: Speciation in throughfall. Atmospheric Environment, 2010, 44, 824-833.	4.1	67
61	Transfer functions for solidâ€solution partitioning of cadmium, copper, nickel, lead and zinc in soils: derivation of relationships for free metal ion activities and validation with independent data. European Journal of Soil Science, 2010, 61, 58-73.	3.9	106
62	Soil organic matter turnover in British deciduous woodlands, quantified with radiocarbon. Geoderma, 2010, 155, 10-18.	5.1	20
63	Toxicity of protonâ€“metal mixtures in the field: Linking stream macroinvertebrate species diversity to chemical speciation and bioavailability. Aquatic Toxicology, 2010, 100, 112-119.	4.0	101
64	Quantification of natural DOM from UV absorption at two wavelengths. Environmental Chemistry, 2009, 6, 472.	1.5	64
65	METAL CONTAMINATION IN AQUATIC ENVIRONMENTS. SCIENCE AND LATERAL MANAGEMENT. - By Samuel N. Luoma and Philip S. Rainbow. Journal of Fish Biology, 2009, 75, 1911-1912.	1.6	4
66	In Situ Speciation Measurements of Trace Metals in Headwater Streams. Environmental Science & Technology, 2009, 43, 7230-7236.	10.0	55
67	Increasing Iron Concentrations in UK Upland Waters. Aquatic Geochemistry, 2008, 14, 263-288.	1.3	80
68	The Chemical Speciation of Fe(III) in Freshwaters. Aquatic Geochemistry, 2008, 14, 337-358.	1.3	110
69	Dissolved organic carbon in soil solutions: a comparison of collection methods. Soil Use and Management, 2008, 24, 29-36.	4.9	23
70	Proton interactions with soil organic matter: the importance of aggregation and the weak acids of humin. European Journal of Soil Science, 2008, 59, 1111-1121.	3.9	5
71	Concentrations and fluxes of dissolved organic carbon in UK topsoils. Science of the Total Environment, 2008, 407, 460-470.	8.0	49
72	Functional variability of dissolved organic matter from the surface water of a productive lake. Water Research, 2008, 42, 81-90.	11.3	26

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73	Long-term nitrate increases in two oligotrophic lakes, due to the leaching of atmospherically-deposited N from moorland ranker soils. Environmental Pollution, 2008, 152, 41-49.	7.5	11
74	Metal accumulation by stream bryophytes, related to chemical speciation. Environmental Pollution, 2008, 156, 936-943.	7.5	55
75	Relating dissolved organic matter fluorescence and functional properties. Chemosphere, 2008, 73, 1765-1772.	8.2	136
76	Functional properties of DOM in a stream draining blanket peat. Science of the Total Environment, 2008, 407, 566-573.	8.0	17
77	Modelling the interactions of Hg(II) and methylmercury with humic substances using WHAM/Model VI. Applied Geochemistry, 2007, 22, 1624-1635.	3.0	57
78	On the Acidâ^'Base Properties of Humic Acid in Soil. Environmental Science & Technology, 2007, 41, 465-470.	10.0	27
79	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. European Journal of Soil Science, 2007, 58, 1074-1086.	3.9	44
80	The organic carbon dynamics of a moorland catchment in N. W. England. Biogeochemistry, 2007, 84, 171-189.	3.5	28
81	Trace Metals in the Catchment, Loch and Sediments of Lochnagar: Measurements and Modelling. , 2007, , 345-373.		6
82	Integrated Approach for Hazard Assessment of Metals and Inorganic Metal Substances. , 2007, , 11-54.		1
83	Modeling Iron Binding to Organic Matterâ€. Environmental Science & Technology, 2006, 40, 7488-7493.	10.0	60
84	Simulating the long-term chemistry of an upland UK catchment: Major solutes and acidification. Environmental Pollution, 2006, 141, 151-166.	7.5	26
85	Simulating the long-term chemistry of an upland UK catchment: Heavy metals. Environmental Pollution, 2006, 141, 139-150.	7.5	61
86	DEVELOPING A CRITICAL LOAD APPROACH FOR NATIONAL RISK ASSESSMENTS OF ATMOSPHERIC METAL DEPOSITION. Environmental Toxicology and Chemistry, 2006, 25, 883.	4.3	22
87	DOC leaching from a coniferous forest floor: modeling a manipulation experiment. Journal of Plant Nutrition and Soil Science, 2005, 168, 316-324.	1.9	17
88	Dissolved Organic Carbon Leaching from a Coniferous Forest Floor -- A Field Manipulation Experiment. Biogeochemistry, 2005, 75, 271-287.	3.5	71
89	Potentially toxic metals in ombrotrophic peat along a 400 km Englishâ€"Scottish transect. Environmental Pollution, 2005, 136, 11-18.	7.5	17
90	Modelling Al competition for heavy metal binding by dissolved organic matter in soil and surface waters of acid and neutral pH. Geoderma, 2005, 127, 293-304.	5.1	77

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91	Development and application of functional assays for freshwater dissolved organic matter. Water Research, 2005, 39, 4559-4573.	11.3	40
92	Cation binding by acid-washed peat, interpreted with Humic Ion-Binding Model VI-FD. European Journal of Soil Science, 2004, 55, 433-447.	3.9	28
93	Deriving Soil Critical Limits for Cu, Zn, Cd, and Pb:Â A Method Based on Free Ion Concentrations. Environmental Science & Technology, 2004, 38, 3623-3631.	10.0	188
94	Modelling the production and transport of dissolved organic carbon in forest soils. Biogeochemistry, 2003, 66, 241-264.	3.5	167
95	Generic NICAâ€'Donnan Model Parameters for Metal-Ion Binding by Humic Substances. Environmental Science & Technology, 2003, 37, 958-971.	10.0	596
96	Metals in bulk deposition and surface waters at two upland locations in northern England. Environmental Pollution, 2003, 121, 153-167.	7.5	98
97	Predicting the release of metals from ombrotrophic peat due to drought-induced acidification. Environmental Pollution, 2003, 123, 239-253.	7.5	106
98	The solidâ€"solution partitioning of heavy metals (Cu, Zn, Cd, Pb) in upland soils of England and Wales. Environmental Pollution, 2003, 125, 213-225.	7.5	342
99	Complexation with Dissolved Organic Matter and Solubility Control of Heavy Metals in a Sandy Soil. Environmental Science & Technology, 2002, 36, 4804-4810.	10.0	477
100	Laboratory measurements and modeling of metal-humic interactions under estuarine conditions. Geochimica Et Cosmochimica Acta, 2002, 66, 403-415.	3.9	41
101	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.	3.9	339
102	Comparison of measured and modelled copper binding by natural organic matter in freshwaters. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 37-49.	2.6	82
103	Biological responses to the reversal of acidification in surface waters of the English Lake District. Environmental Pollution, 2002, 116, 137-146.	7.5	56
104	Humic substances â€" a brief review. , 2002, , 4-31.		0
105	Environmental solution and surface chemistry. , 2002, , 32-51.		0
106	Proton dissociation from weak acids. , 2002, , 52-76.		4
107	Metalâ€"ligand interactions. , 2002, , 77-102.		0
108	Methods for measuring cation binding by humic substances. , 2002, , 103-127.		0

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109	Quantitative results with isolated humic substances. , 2002, , 128-156.		0
110	Cation binding sites in humic substances. , 2002, , 157-170.		0
111	Parameterised models of cationâ€“humic interactions. , 2002, , 171-209.		0
112	Applications of comprehensive parameterised models. , 2002, , 210-252.		0
113	Predictive modelling. , 2002, , 253-261.		0
114	Cationâ€“humic binding and other physico-chemical processes. , 2002, , 262-287.		0
115	Cation binding by humic substances in natural waters. , 2002, , 288-333.		1
116	Cation binding by humic substances in soils and sediments. , 2002, , 334-379.		0
117	Research needs. , 2002, , 380-390.		0
118	Laboratory Dissolution Studies of Rocks from the Borrowdale Volcanic Group (English Lake District). Water, Air, and Soil Pollution, 2002, 138, 335-358.	2.4	11
119	The molecular properties of humic substances isolated from a UK upland peat system. Environment International, 2001, 27, 449-462.	10.0	39
120	Accumulation of Al, Mn, Fe, Cu, Zn, Cd and Pb by the bryophyte Scapania undulata in three upland waters of different pH. Environmental Pollution, 2001, 114, 93-100.	7.5	35
121	Aluminium speciation in forest soil solution â€" modelling the contribution of low molecular weight organic acids. Science of the Total Environment, 2001, 278, 215-229.	8.0	28
122	Generic NICA-Donnan Model Parameters for Proton Binding by Humic Substances. Environmental Science & Technology, 2001, 35, 2049-2059.	10.0	386
123	Americium Binding to Humic Acid. Environmental Science & Technology, 2001, 35, 3495-3500.	10.0	23
124	Modelling pH buffering and aluminium solubility in European forest soils. European Journal of Soil Science, 2001, 52, 189-204.	3.9	72
125	Modelling the solid-solution partitioning of organic matter in European forest soils. European Journal of Soil Science, 2001, 52, 215-226.	3.9	32
126	Solid-solution metal partitioning in the Humber rivers: application of WHAM and SCAMP. Science of the Total Environment, 2000, 251-252, 381-399.	8.0	55

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127	Reversal of acidification in tributaries of the River Duddon (English Lake District) between 1970 and 1998. Environmental Pollution, 2000, 109, 183-191.	7.5	16
128	Copper Speciation and Impacts on Bacterial Biosensors in the Pore Water of Copper-Contaminated Soils. Environmental Science & Technology, 2000, 34, 5115-5121.	10.0	150
129	Modelling the Solidâ€“Solution Partitioning of Metals in Environmental Systems. Environmental Geochemistry and Health, 1999, 21, 299-304.	3.4	7
130	Testing Models of Chemical Speciation in Freshwaters. Environmental Geochemistry and Health, 1999, 21, 305-310.	3.4	2
131	Variation in seasonal precipitation chemistry with altitude in the northern Pennines, UK. Environmental Pollution, 1999, 104, 1-9.	7.5	13
132	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.	10.0	210
133	Europium binding by fulvic acids. Analytica Chimica Acta, 1998, 369, 171-180.	5.4	47
134	Title is missing!. Aquatic Geochemistry, 1998, 4, 3-47.	1.3	746
135	Dissolved nutrient concentrations and loads in some upland streams of the English Lake District. Hydrobiologia, 1998, 377, 85-93.	2.0	12
136	Effects of climate change on nitrogen dynamics in upland soils. 1. A transplant approach. Global Change Biology, 1998, 4, 143-152.	9.5	79
137	Reversal of acidification in upland waters of the English Lake District. Environmental Pollution, 1998, 103, 143-151.	7.5	30
138	Concentrations and fluxes of dissolved organic carbon in drainage water from an upland peat system. Environment International, 1998, 24, 537-546.	10.0	103
139	Testing a humic speciation model by titration of copper-amended natural waters. Environment International, 1998, 24, 609-616.	10.0	78
140	Modelling the chemical speciation of trace metals in the surface waters of the Humber system. Science of the Total Environment, 1998, 210-211, 63-77.	8.0	105
141	An assemblage model for cation binding by natural particulate matter. Geochimica Et Cosmochimica Acta, 1998, 62, 2609-2625.	3.9	136
142	Metal ion[ndash]humic substance interaction A thermodynamic study. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 95-100.	1.7	27
143	Proton Binding by Groundwater Fulvic Acids of Different Age, Origins, and Structure Modeled with the Model V and NICAâ^'Donnan Model. Environmental Science & Technology, 1998, 32, 3346-3355.	10.0	66
144	Organic carbon in the Humber rivers. Science of the Total Environment, 1997, 194-195, 345-355.	8.0	86

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145	Effects of aluminium in acid streams on growth and sporulation of aquatic hyphomycetes. Environmental Pollution, 1997, 96, 289-298.	7.5	20
146	Chemistry of riverine and estuarine suspended particles from the Ouse-Trent system, UK. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 120, 183-198.	4.7	37
147	CHUM: a hydrochemical model for upland catchments. Journal of Hydrology, 1996, 174, 305-330.	5.4	36
148	Hydrochemical modelling of the retention and transport of metallic radionuclides in the soils of an upland catchment. Environmental Pollution, 1996, 94, 105-116.	7.5	13
149	Electrokinetic properties of oxide particles in natural waters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 111, 203-212.	4.7	8
150	The interaction of some pesticides and herbicides with humic substances. Analytica Chimica Acta, 1996, 327, 191-201.	5.4	55
151	The aggregation of silica and haematite particles dispersed in natural water samples. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 118, 97-105.	4.7	32
152	Experimental determination of partial specific volumes of humic substances in aqueous solutions. Analytica Chimica Acta, 1995, 314, 149-159.	5.4	23
153	Modelling the solidâ€“solution distributions of protons, aluminium, base cations and humic substances in acid soils. European Journal of Soil Science, 1995, 46, 77-94.	3.9	108
154	Proton and copper binding by humic acid: application of a discrete-site/electrostatic ion-binding model. European Journal of Soil Science, 1995, 46, 95-101.	3.9	25
155	Solid-Solution Distributions of Radionuclides in Acid Soils: Application of the WHAM Chemical Speciation Model. Environmental Science & Technology, 1995, 29, 1365-1372.	10.0	23
156	A comparative study of proton and alkaline earth metal binding by humic substances. Analytica Chimica Acta, 1994, 294, 319-327.	5.4	51
157	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.	4.2	726
158	Deposition and resuspension of fine particles in a riverine â€˜dead zoneâ€™. Hydrological Processes, 1993, 7, 263-277.	2.6	41
159	The determination of the molecular mass of humic substances from natural waters by analytical ultracentrifugation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 73, 19-28.	4.7	20
160	Modelling ion binding by humic acids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 73, 117-131.	4.7	97
161	Modelling the chemistry of humic-rich soil leachates. Applied Geochemistry, 1993, 8, 121-124.	3.0	4
162	Transport of haematite and silica colloids through sand columns eluted with artificial groundwaters. Environmental Technology (United Kingdom), 1993, 14, 367-372.	2.2	7

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163	Modelling of cation binding by natural organic matter in soils and waters. Analytical Proceedings, 1993, 30, 186.	0.4	6
164	Modeling the competition between alkaline earth cations and trace metal species for binding by humic substances. Environmental Science & Technology, 1993, 27, 520-529.	10.0	118
165	Complexation of Co²⁺, Ni²⁺ , UO²⁺ and Ca²⁺ by Humic Substances in Groundwaters. Radiochimica Acta, 1993, 61, 91-104.	1.2	70
166	Modelling the Binding of Europium and the Actinides by Humic Substances. Radiochimica Acta, 1993, 62, 141-152.	1.2	47
167	Modelling ion binding by humic acids. , 1993, , 117-131.		1
168	The determination of the molecular mass of humic substances from natural waters by analytical ultracentrifugation. , 1993, , 19-28.		1
169	A unifying model of cation binding by humic substances. Geochimica Et Cosmochimica Acta, 1992, 56, 3627-3641.	3.9	570
170	Humic substances in acid surface waters; modelling aluminium binding, contribution to ionic charge-balance, and control of pH. Water Research, 1991, 25, 425-435.	11.3	83
171	Aggregation of humic substances in aqueous media as determined by light-scattering methods. Journal of Soil Science, 1991, 42, 259-270.	1.2	44
172	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. Journal of Soil Science, 1991, 42, 437-448.	1.2	87
173	Humic substances in acid organic soils: modelling their release to the soil solution in terms of humic charge. Journal of Soil Science, 1990, 41, 573-586.	1.2	100
174	A model of surface water acidification in Cumbria and its uses in long-term research. Freshwater Biology, 1990, 23, 7-23.	2.4	8
175	Modeling electrostatic and heterogeneity effects on proton dissociation from humic substances. Environmental Science & Technology, 1990, 24, 1700-1705.	10.0	63
176	Determination of molecular weights of humic substances by analytical (UV scanning) ultracentrifugation. Geochimica Et Cosmochimica Acta, 1990, 54, 131-138.	3.9	96
177	Reclamation of acid waters using sewage sludge. Environmental Pollution, 1989, 57, 251-274.	7.5	15
178	Adsorption of aluminium by stream particulates. Environmental Pollution, 1989, 57, 85-96.	7.5	10
179	Acid-sensitive waters of the English Lake District: A steady-state model of streamwater chemistry in the upper Duddon catchment. Environmental Pollution, 1989, 60, 181-208.	7.5	18
180	Effects of temperature, filtration and container material on storage of an acid stream water. Analyst, The, 1989, 114, 587.	3.5	4

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181	Dissolved organic matter in Cumbrian lakes and streams. Freshwater Biology, 1988, 19, 371-378.	2.4	58
182	A model of solid-solution interactions in acid organic soils, based on the complexation properties of humic substances. Journal of Soil Science, 1988, 39, 505-519.	1.2	144
183	Aluminium speciation in acidic natural waters: Testing of a model for al-humic complexation. Water Research, 1988, 22, 321-326.	11.3	57
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