

Laura Sigg

List of Publications by Year in Descending Order

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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.

150
papers

11,671
citations

58
h-index

106
g-index

152
ext. papers

12,343
ext. citations

7.4
avg, IF

6.15
L-index

#	Paper	IF	Citations
150	Cytotoxicity, Accumulation and Translocation of Silver and Silver Sulfide Nanoparticles in contact with Rainbow Trout Intestinal Cells. <i>Aquatic Toxicology</i> , 2021 , 237, 105869	5.1	0
149	Toxicity and translocation of Ag, CuO, ZnO and TiO ₂ nanoparticles upon exposure to fish intestinal epithelial cells. <i>Environmental Science: Nano</i> , 2021 , 8, 2249-2260	7.1	2
148	Aerobic methane oxidation under copper scarcity in a stratified lake. <i>Scientific Reports</i> , 2019 , 9, 4817	4.9	11
147	Uptake and effects of cerium(III) and cerium oxide nanoparticles to <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2018 , 197, 41-46	5.1	15
146	Interactions of TiO ₂ nanoparticles and the freshwater nematode <i>Plectus aquatilis</i> : particle properties, kinetic parameters and bioconcentration factors. <i>Environmental Science: Nano</i> , 2017 , 4, 712-719	7.1	5
145	Interaction of silver nanoparticles with algae and fish cells: a side by side comparison. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 16	9.4	74
144	Influence of daylight on the fate of silver and zinc oxide nanoparticles in natural aquatic environments. <i>Environmental Pollution</i> , 2017 , 226, 1-11	9.3	57
143	Silver nanoparticle-protein interactions in intact rainbow trout gill cells. <i>Environmental Science: Nano</i> , 2016 , 3, 1174-1185	7.1	35
142	Toxicity of engineered copper (CuO) nanoparticles to the green alga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Chemistry</i> , 2016 , 13, 457	3.2	16
141	An American in Zurich: Jerry Schnoor as an Ambassador for U.S. Environmental Science and Engineering. <i>Environmental Science & Technology</i> , 2016 , 50, 6597-8	10.3	
140	Natural water as the test medium for Ag and CuO nanoparticle hazard evaluation: An interlaboratory case study. <i>Environmental Pollution</i> , 2016 , 216, 689-699	9.3	23
139	Rapid evolutionary loss of metal resistance revealed by hatching decades-old eggs. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 398-407	3.8	18
138	A novel two-compartment barrier model for investigating nanoparticle transport in fish intestinal epithelial cells. <i>Environmental Science: Nano</i> , 2016 , 3, 388-395	7.1	25
137	Silver nanoparticles inhibit fish gill cell proliferation in protein-free culture medium. <i>Nanotoxicology</i> , 2016 , 10, 1075-83	5.3	11
136	Dissolution of metal and metal oxide nanoparticles under natural freshwater conditions. <i>Environmental Chemistry</i> , 2015 , 12, 138	3.2	27
135	Impact of chronic lead exposure on metal distribution and biological effects to periphyton. <i>Environmental Science & Technology</i> , 2015 , 49, 5044-51	10.3	29
134	Silver nanoparticle toxicity and association with the alga <i>Euglena gracilis</i> . <i>Environmental Science: Nano</i> , 2015 , 2, 594-602	7.1	68

133	Silver nanoparticle dissolution in the presence of ligands and of hydrogen peroxide. <i>Environmental Pollution</i> , 2015 , 206, 582-7	9.3	36
132	Tracking the Temporal Dynamics of Intracellular Lead Speciation in a Green Alga. <i>Environmental Science & Technology</i> , 2015 , 49, 11176-81	10.3	6
131	Toxicity of silver nanoparticles to a fish gill cell line: role of medium composition. <i>Nanotoxicology</i> , 2015 , 9, 54-63	5.3	79
130	Effects of Differently Coated Silver Nanoparticles on the Photosynthesis of <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 8041-7	10.3	86
129	Agglomeration of Ag and TiO ₂ nanoparticles in surface and wastewater: Role of calcium ions and of organic carbon fractions. <i>Environmental Pollution</i> , 2015 , 204, 313-23	9.3	25
128	Dissolution of metal and metal oxide nanoparticles in aqueous media. <i>Environmental Pollution</i> , 2014 , 191, 132-8	9.3	103
127	Sorption kinetics and equilibrium of the herbicide diuron to carbon nanotubes or soot in absence and presence of algae. <i>Environmental Pollution</i> , 2014 , 192, 147-53	9.3	15
126	Effect of TiO ₂ nanoparticles and UV radiation on extracellular enzyme activity of intact heterotrophic biofilms. <i>Environmental Science & Technology</i> , 2014 , 48, 11620-8	10.3	46
125	Linking toxicity and adaptive responses across the transcriptome, proteome, and phenotype of <i>Chlamydomonas reinhardtii</i> exposed to silver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3490-5	11.5	121
124	A systematic evaluation of agglomeration of Ag and TiO ₂ nanoparticles under freshwater relevant conditions. <i>Environmental Pollution</i> , 2014 , 193, 37-44	9.3	31
123	Influence of agglomeration of cerium oxide nanoparticles and speciation of cerium(III) on short term effects to the green algae <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2014 , 152, 121-30	5.1	73
122	Extracellular polymeric substances (EPS) of freshwater biofilms stabilize and modify CeO ₂ and Ag nanoparticles. <i>PLoS ONE</i> , 2014 , 9, e110709	3.7	73
121	Metals as Water Quality Parameters [Role of Speciation and Bioavailability 2014 , 315-328		2
120	Chemical Aspects of Nanoparticle Ecotoxicology. <i>Chimia</i> , 2014 , 68, 806-11	1.3	18
119	Characterization of extracellular polymeric substances (EPS) from periphyton using liquid chromatography-organic carbon detection-organic nitrogen detection (LC-OCD-OND). <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3214-23	5.1	54
118	Bioavailability of silver nanoparticles and ions: from a chemical and biochemical perspective. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20130396	4.1	234
117	Diuron sorbed to carbon nanotubes exhibits enhanced toxicity to <i>Chlorella vulgaris</i> . <i>Environmental Science & Technology</i> , 2013 , 47, 7012-9	10.3	90
116	Seasonal changes in antioxidant enzyme activities of freshwater biofilms in a metal polluted Mediterranean stream. <i>Science of the Total Environment</i> , 2013 , 444, 60-72	10.2	24

115	Colloidal stability of suspended and agglomerate structures of settled carbon nanotubes in different aqueous matrices. <i>Water Research</i> , 2013 , 47, 3910-20	12.5	32
114	Long-term colloidal stability of 10 carbon nanotube types in the absence/presence of humic acid and calcium. <i>Environmental Pollution</i> , 2012 , 169, 64-73	9.3	42
113	Intracellular silver accumulation in <i>Chlamydomonas reinhardtii</i> upon exposure to carbonate coated silver nanoparticles and silver nitrate. <i>Environmental Science & Technology</i> , 2012 , 46, 7390-7	10.3	105
112	Colloidal stability of carbonate-coated silver nanoparticles in synthetic and natural freshwater. <i>Environmental Science & Technology</i> , 2012 , 46, 818-25	10.3	102
111	Characterization of lead-phytochelatin complexes by nano-electrospray ionization mass spectrometry. <i>Frontiers in Microbiology</i> , 2012 , 3, 41	5.7	9
110	Are carbon nanotube effects on green algae caused by shading and agglomeration?. <i>Environmental Science & Technology</i> , 2011 , 45, 6136-44	10.3	222
109	Phytochelatin formation kinetics and toxic effects in the freshwater alga <i>Chlamydomonas reinhardtii</i> upon short- and long-term exposure to lead(II). <i>Aquatic Toxicology</i> , 2011 , 101, 423-9	5.1	40
108	Influence of the initial state of carbon nanotubes on their colloidal stability under natural conditions. <i>Environmental Pollution</i> , 2011 , 159, 1641-8	9.3	47
107	Characterization of lead induced metal-phytochelatin complexes in <i>Chlamydomonas reinhardtii</i> . <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 2546-52	3.8	12
106	Colloidal organic matter from wastewater treatment plant effluents: Characterization and role in metal distribution. <i>Water Research</i> , 2010 , 44, 340-50	12.5	63
105	Uptake of Cd(II) and Pb(II) by microalgae in presence of colloidal organic matter from wastewater treatment plant effluents. <i>Environmental Pollution</i> , 2010 , 158, 369-74	9.3	22
104	Cadmium speciation and accumulation in periphyton in a small stream with dynamic concentration variations. <i>Environmental Pollution</i> , 2010 , 158, 641-8	9.3	48
103	METAL-INDUCED REACTIVE OXYGEN SPECIES PRODUCTION IN CHLAMYDOMONAS REINHARDTII (CHLOROPHYCEAE)(1). <i>Journal of Phycology</i> , 2009 , 45, 427-35	3	122
102	Kinetics of cadmium accumulation in periphyton under freshwater conditions. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2108	3.8	23
101	Accumulation of cadmium in periphyton under various freshwater speciation conditions. <i>Environmental Science & Technology</i> , 2009 , 43, 7291-6	10.3	41
100	Zinc isotope composition of settling particles as a proxy for biogeochemical processes in lakes: Insights from the eutrophic Lake Greifen, Switzerland. <i>Limnology and Oceanography</i> , 2009 , 54, 1699-1708	4.8	39
99	Kinetics of cadmium accumulation in periphyton under freshwater conditions. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2108-16	3.8	4
98	Environmental behavior and ecotoxicity of engineered nanoparticles to algae, plants, and fungi. <i>Ecotoxicology</i> , 2008 , 17, 372-86	2.9	1234

97	Toxicity of silver nanoparticles to <i>Chlamydomonas reinhardtii</i> . <i>Environmental Science & Technology</i> , 2008 , 42, 8959-64	10.3	1230
96	Cadmium accumulation in <i>Scenedesmus vacuolatus</i> under freshwater conditions. <i>Environmental Science & Technology</i> , 2007 , 41, 5383-8	10.3	17
95	Competition among zinc, manganese, and cadmium uptake in the freshwater alga <i>Scenedesmus vacuolatus</i> . <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 483-90	3.8	23
94	Comparison of analytical techniques for dynamic trace metal speciation in natural freshwaters. <i>Environmental Science & Technology</i> , 2006 , 40, 1934-41	10.3	156
93	Arsenite and arsenate binding to dissolved humic acids: influence of pH, type of humic acid, and aluminum. <i>Environmental Science & Technology</i> , 2006 , 40, 6015-20	10.3	269
92	Model predictions of metal speciation in freshwaters compared to measurements by in situ techniques. <i>Environmental Science & Technology</i> , 2006 , 40, 1942-9	10.3	162
91	Thiols in <i>Scenedesmus vacuolatus</i> upon exposure to metals and metalloids. <i>Aquatic Toxicology</i> , 2006 , 80, 355-61	5.1	58
90	Effects of pH and Ca competition on complexation of cadmium by fulvic acids and by natural organic ligands from a river and a lake. <i>Aquatic Geochemistry</i> , 2006 , 12, 375-387	1.7	16
89	Thiol and metal contents in periphyton exposed to elevated copper and zinc concentrations: a field and microcosm study. <i>Environmental Science & Technology</i> , 2005 , 39, 8099-107	10.3	51
88	Photoirradiation of dissolved humic acid induces arsenic(III) oxidation. <i>Environmental Science & Technology</i> , 2005 , 39, 9541-6	10.3	57
87	Photoinduced oxidation of antimony(III) in the presence of humic acid. <i>Environmental Science & Technology</i> , 2005 , 39, 5335-41	10.3	76
86	Tolerance of <i>Oocystis nephrocystioides</i> to copper: intracellular distribution and extracellular complexation of copper. <i>Aquatic Toxicology</i> , 2005 , 71, 307-17	5.1	72
85	Dynamic speciation analysis and bioavailability of metals in aquatic systems. <i>Environmental Science & Technology</i> , 2005 , 39, 8545-56	10.3	274
84	Phytochelatin induction, cadmium accumulation, and algal sensitivity to free cadmium ion in <i>Scenedesmus vacuolatus</i> . <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1731-7	3.8	115
83	Effects of Soil Composition on Zn Speciation in Drainage Waters from Agricultural Soils. <i>Aquatic Geochemistry</i> , 2005 , 11, 303-318	1.7	4
82	Speciation and Bioavailability of Trace Metals in Freshwater Environments 2005 , 47-74		8
81	Speciation and bioavailability of trace metals in freshwater environments. <i>Metal Ions in Biological Systems</i> , 2005 , 44, 47-73		1
80	Chemical Speciation of Organics and of Metals at Biological Interphases 2004 , 205-269		9

79	Speciation of copper and zinc in natural freshwater: comparison of voltammetric measurements, diffusive gradients in thin films (DGT) and chemical equilibrium models. <i>Analytica Chimica Acta</i> , 2004 , 510, 91-100	6.6	88
78	Antimony(III) binding to humic substances: influence of pH and type of humic acid. <i>Environmental Science & Technology</i> , 2004 , 38, 4535-41	10.3	136
77	Influence of metal speciation in natural freshwater on bioaccumulation of copper and zinc in periphyton: a microcosm study. <i>Environmental Science & Technology</i> , 2004 , 38, 3104-11	10.3	89
76	Adsorption of Copper, Nickel, and Cadmium on Goethite in the Presence of Organic Ligands. <i>Aquatic Geochemistry</i> , 2003 , 9, 65-85	1.7	36
75	Accumulation of copper and zinc in periphyton in response to dynamic variations of metal speciation in freshwater. <i>Environmental Science & Technology</i> , 2003 , 37, 5204-12	10.3	90
74	Complexation of copper by zwitterionic aminosulfonic (good) buffers. <i>Analytical Chemistry</i> , 2003 , 75, 671-7	7.8	120
73	In situ trace metal speciation in a eutrophic lake using the technique of diffusion gradients in thin films (DGT) 2002 , 64, 292-299		54
72	Copper and zinc content of periphyton from two rivers as a function of dissolved metal concentration 2002 , 64, 300-306		57
71	A Review of Competitive Ligand-Exchange-Voltammetric Methods for Speciation of Trace Metals in Freshwater. <i>ACS Symposium Series</i> , 2002 , 336-370	0.4	7
70	Speciation of Cu and Zn in drainage water from agricultural soils. <i>Environmental Science & Technology</i> , 2002 , 36, 4824-30	10.3	40
69	Adsorption of Cu, Cd, and Ni on goethite in the presence of natural groundwater ligands. <i>Environmental Science & Technology</i> , 2002 , 36, 328-36	10.3	117
68	Nickel speciation and complexation kinetics in freshwater by ligand exchange and DPCSV. <i>Environmental Science & Technology</i> , 2001 , 35, 539-46	10.3	76
67	Light-induced redox cycling of iron in circumneutral lakes. <i>Limnology and Oceanography</i> , 2001 , 46, 49-61	4.8	104
66	Size Fractionation (Dissolved, Colloidal and Particulate) of Trace Metals in the Thur River, Switzerland. <i>Aquatic Geochemistry</i> , 2000 , 6, 413-434	1.7	51
65	Transport of Cu, Zn and Cd in a small agricultural catchment. <i>Water Research</i> , 2000 , 34, 2558-2568	12.5	58
64	Redox Potential Measurements in Natural Waters: Significance, Concepts and Problems 2000 , 1-12		16
63	Manganese uptake and Mn(II) oxidation by the alga <i>Scenedesmus subspicatus</i> . <i>Aquatic Sciences</i> , 1999 , 61, 44-58	2.5	7
62	Comparison of the Complexation of Cu and Cd by Humic or Fulvic Acids and by Ligands Observed in Lake Waters. <i>Aquatic Geochemistry</i> , 1999 , 5, 313-335	1.7	83

61	Size fractionation of phosphorus (dissolved, colloidal and particulate) in two tributaries to Lake Lugano. <i>Aquatic Sciences</i> , 1999 , 61, 337	2.5	9
60	Behavior of Heavy Metals, Nutrients, and Major Components during Roof Runoff Infiltration. <i>Environmental Science & Technology</i> , 1999 , 33, 1588-1597	10.3	98
59	Manganese uptake and Mn(II) oxidation by the alga. <i>Aquatic Sciences</i> , 1999 , 61, 44	2.5	16
58	Cadmium speciation and complexation by natural organic ligands in fresh water. <i>Analytica Chimica Acta</i> , 1998 , 363, 249-259	6.6	61
57	Metal and phytochelatin content in phytoplankton from freshwater lakes with different metal concentrations. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 2444-2452	3.8	56
56	Complexation of Cobalt by Natural Ligands in Freshwater. <i>Environmental Science & Technology</i> , 1998 , 32, 2043-2050	10.3	43
55	Aqueous- and Solid-Phase Biogeochemistry of a Calcareous Aquifer System Downgradient from a Municipal Solid Waste Landfill (Winterthur, Switzerland). <i>Environmental Science & Technology</i> , 1998 , 32, 1933-1940	10.3	48
54	Oxidation Kinetics of Fe(II) in a Eutrophic Swiss Lake. <i>Environmental Science & Technology</i> , 1998 , 32, 2990-2996	10.3	112
53	Metal and phytochelatin content in phytoplankton from freshwater lakes with different metal concentrations 1998 , 17, 2444		5
52	Chemical and Spectroscopic Characterization of Algae Surfaces. <i>Environmental Science & Technology</i> , 1997 , 31, 759-764	10.3	104
51	Dissolution of Fe(III) (hydr) oxides by metal-EDTA complexes. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 951-963	5.5	150
50	Influence of Natural and Anthropogenic Ligands on Metal Transport during Infiltration of River Water to Groundwater. <i>Environmental Science & Technology</i> , 1997 , 31, 866-872	10.3	70
49	ADSORPTION AND UPTAKE OF COPPER BY THE GREEN ALGA SCENEDESMUS SUBSPICATUS (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 1997 , 33, 596-601	3	103
48	Comparison of Cu and Zn cycling in eutrophic lakes with oxic and anoxic hypolimnion. <i>Aquatic Sciences</i> , 1997 , 59, 176-189	2.5	27
47	Effects of free Cu ²⁺ and Zn ²⁺ ions on growth and metal accumulation in freshwater algae. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 220-229	3.8	131
46	Reductive Dissolution of Fe(III) (Hydr)oxides by Cysteine: Kinetics and Mechanism. <i>Journal of Colloid and Interface Science</i> , 1997 , 194, 194-206	9.3	71
45	Comparison of Cu and Zn cycling in eutrophic lakes with oxic and anoxic hypolimnion 1997 , 59, 176		2
44	Modeling the Adsorption of Metal-EDTA Complexes onto Oxides. <i>Environmental Science & Technology</i> , 1996 , 30, 2397-2405	10.3	118

43	Determination of dissolved and adsorbed EDTA species in water and sediments by HPLC. <i>Analytical Chemistry</i> , 1996 , 68, 561-6	7.8	118
42	Adsorption of EDTA and Metal-EDTA Complexes onto Goethite. <i>Journal of Colloid and Interface Science</i> , 1996 , 177, 106-121	9.3	244
41	Seasonal variations of zinc in a eutrophic lake. <i>Aquatic Geochemistry</i> , 1996 , 1, 313-328	1.7	8
40	Free cupric ion concentrations and Cu complexation in selected Swiss lakes and rivers. <i>Aquatic Sciences</i> , 1996 , 58, 69-87	2.5	57
39	Speciation of EDTA in Natural Waters: Exchange Kinetics of Fe-EDTA in River Water. <i>Environmental Science & Technology</i> , 1995 , 29, 59-68	10.3	136
38	Comment on "Nickel Adsorption to Hydrous Ferric Oxide in the Presence of EDTA: Effects of Component Addition Sequence". <i>Environmental Science & Technology</i> , 1995 , 29, 3070-1	10.3	5
37	Cycles of Trace Elements (Copper and Zinc) in a Eutrophic Lake. <i>Advances in Chemistry Series</i> , 1995 , 177-194		14
36	Competition of copper and zinc for strong ligands in a eutrophic lake. <i>Limnology and Oceanography</i> , 1995 , 40, 1142-1152	4.8	73
35	Cycles of Trace Elements in a Lake with a Seasonally Anoxic Hypolimnion. <i>Advances in Chemistry Series</i> , 1994 , 473-497		3
34	Zinc speciation in lake waters and its determination by ligand exchange with EDTA and differential pulse anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 1994 , 284, 505-515	6.6	67
33	Interactions of lead(II) with natural river water. Part II: particulate matter. <i>Science of the Total Environment</i> , 1994 , 151, 101-112	10.2	6
32	Iron oxidation kinetics in an acidic alpine lake. <i>Water Research</i> , 1994 , 28, 323-333	12.5	33
31	Metal Speciation: Concepts, Analysis and Effects 1994 , 153-181		12
30	Sulfur dioxide oxidation in atmospheric water: role of iron(II) and effect of ligands. <i>Environmental Science & Technology</i> , 1993 , 27, 2725-2735	10.3	52
29	Arsenic cycling in eutrophic Lake Greifen, Switzerland: Influence of seasonal redox processes. <i>Limnology and Oceanography</i> , 1993 , 38, 1052-1059	4.8	95
28	Free cupric ion concentration and Cu(II) speciation in a eutrophic lake. <i>Limnology and Oceanography</i> , 1993 , 38, 1200-1213	4.8	98
27	Vertical distribution and transport of molybdenum in a lake with a seasonally anoxic hypolimnion. <i>Limnology and Oceanography</i> , 1993 , 38, 521-531	4.8	31
26	Dry deposition measurements using water as a receptor: A chemical approach. <i>Water, Air, and Soil Pollution</i> , 1993 , 71, 111-130	2.6	19

25	The chromium cycle in a seasonally anoxic lake. <i>Limnology and Oceanography</i> , 1992 , 37, 315-321	4.8	31
24	Adsorption of lead(II) on the goethite surface: Voltammetric evaluation of surface complexation parameters. <i>Journal of Colloid and Interface Science</i> , 1992 , 148, 517-532	9.3	60
23	A mathematical model of the manganese cycle in a seasonally anoxic lake. <i>Limnology and Oceanography</i> , 1991 , 36, 1415-1426	4.8	33
22	Redox conditions and alkalinity generation in a seasonally anoxic lake (Lake Greifen). <i>Marine Chemistry</i> , 1991 , 36, 9-26	3.7	25
21	Copper(I) in fogwater: determination and interactions with sulfite. <i>Environmental Science & Technology</i> , 1991 , 25, 1716-1722	10.3	32
20	Evidence for redox cycling of iron in atmospheric water droplets. <i>Nature</i> , 1990 , 344, 419-421	50.4	180
19	Interaction of trace metals with natural particle surfaces: Comparison between adsorption experiments and field measurements. <i>Aquatic Sciences</i> , 1990 , 52, 75-92	2.5	57
18	Heavy metals in the Dead Sea and their coprecipitation with halite. <i>Hydrobiologia</i> , 1990 , 197, 23-33	2.4	12
17	Interactions of aerosols (ammonium sulfate, ammonium nitrate and ammonium chloride) and of gases (HCl, HNO ₃) with fogwater. <i>Atmospheric Environment Part A General Topics</i> , 1990 , 24, 573-584		22
16	Binding of Cu(II) to algae in a metal buffer. <i>Water Research</i> , 1990 , 24, 1129-1136	12.5	80
15	Heavy metals in the Dead Sea and their coprecipitation with halite 1990 , 23-33		1
14	Dominating influence of nh ₃ on the oxidation of aqueous SO ₂ : The coupling of NH ₃ and SO ₂ in atmospheric water. <i>Atmospheric Environment</i> , 1989 , 23, 2691-2707		29
13	The binding of heavy metals to algal surfaces. <i>Water Research</i> , 1988 , 22, 917-926	12.5	280
12	Adsorption of trace metals on aluminium oxide: A simulation of processes in freshwater systems by close approximation to natural conditions. <i>Water Research</i> , 1988 , 22, 1571-1575	12.5	15
11	Chemical Weathering of Crystalline Rocks in the Catchment Area of Acidic Ticino Lakes, Switzerland. <i>Clays and Clay Minerals</i> , 1988 , 36, 521-529	2.1	43
10	Vertical transport of heavy metals by settling particles in Lake Zurich. <i>Limnology and Oceanography</i> , 1987 , 32, 112-130	4.8	138
9	Metal ion binding by biological surfaces: voltammetric assessment in the presence of bacteria. <i>Science of the Total Environment</i> , 1987 , 60, 105-19	10.2	82
8	Aquatic chemistry of acid deposition. <i>Environmental Science & Technology</i> , 1987 , 21, 8-13	10.3	32

7	Case studies on the chemical composition of fogwater: The influence of local gaseous emissions. <i>Atmospheric Environment</i> , 1987 , 21, 2365-2374		61
6	Voltammetric methods for distinguishing between dissolved and particulate metal ion concentrations in the presence of hydrous oxides. A case study on lead(II). <i>Environmental Science & Technology</i> , 1985 , 19, 141-146	10,3	58
5	Chemical Processes at the Particle-Water Interface; Implications Concerning the Form of Occurrence of Solute and Adsorbed Species 1984 , 251-266		8
4	From Environmental Analytical Chemistry to Ecotoxicology: A Plea for More Concepts and Less Monitoring and Testing. <i>Angewandte Chemie International Edition in English</i> , 1983 , 22, 380-389		26
3	Schwermetalle im Bodensee. <i>Die Naturwissenschaften</i> , 1982 , 69, 546-548	2	28
2	The interaction of anions and weak acids with the hydrous goethite ($\gamma\text{-FeOOH}$) surface. <i>Colloids and Surfaces</i> , 1981 , 2, 101-117		47 ^o
1	The composition of settling particles in Lake Zürich. <i>Swiss Journal of Hydrology</i> , 1980 , 42, 89-100		5