

Bernhard Wehrli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/971065/publications.pdf>

Version: 2024-02-01

189
papers

14,389
citations

20797

60
h-index

22147

113
g-index

222
all docs

222
docs citations

222
times ranked

16884
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Mapping of Dissolved Gases in the Danube Delta Reveals Intense Plant-Mediated Gas Transfer. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	1
2	Living with floating vegetation invasions. <i>Ambio</i> , 2021, 50, 125-137.	2.8	22
3	Iron speciation in blast furnace slag cements. <i>Cement and Concrete Research</i> , 2021, 140, 106287.	4.6	24
4	Fe(II) interaction with cement phases: Method development, wet chemical studies and X-ray absorption spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 692-704.	5.0	18
5	Spatio-temporal variations in lateral and atmospheric carbon fluxes from the Danube Delta. <i>Biogeosciences</i> , 2021, 18, 1417-1437.	1.3	10
6	Anoxic chlorophyll maximum enhances local organic matter remineralization and nitrogen loss in Lake Tanganyika. <i>Nature Communications</i> , 2021, 12, 830.	5.8	24
7	Lake Modeling Reveals Management Opportunities for Improving Water Quality Downstream of Transboundary Tropical Dams. <i>Water Resources Research</i> , 2021, 57, e2020WR027465.	1.7	16
8	Methane oxidation in the waters of a humic-rich boreal lake stimulated by photosynthesis, nitrite, Fe(III) and humics. <i>Biogeosciences</i> , 2021, 18, 3087-3101.	1.3	20
9	Non-additive effects of foundation species determine the response of aquatic ecosystems to nutrient perturbation. <i>Ecology</i> , 2021, 102, e03371.	1.5	6
10	Unaccounted CO ₂ leaks downstream of a large tropical hydroelectric reservoir. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
11	Methane in the Danube Delta: the importance of spatial patterns and diel cycles for atmospheric emission estimates. <i>Biogeosciences</i> , 2021, 18, 3961-3979.	1.3	5
12	Amino acid and chlorin based degradation indicators in freshwater systems. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 304, 216-233.	1.6	6
13	Diazotrophic Cyanobacteria are Associated With a Low Nitrate Resupply to Surface Waters in Lake Tanganyika. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	8
14	Anthropogenic influences on Zambian water quality: hydropower and land-use change. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 981-994.	1.7	10
15	Microbial methane oxidation efficiency and robustness during lake overturn. <i>Limnology and Oceanography Letters</i> , 2021, 6, 320-328.	1.6	11
16	Community-Based Monitoring Detects Sources and Risks of Mining-Related Water Pollution in Zimbabwe. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	4
17	Potential health effects of cyanide use in artisanal and small-scale gold mining in Burkina Faso. <i>Journal of Cleaner Production</i> , 2020, 252, 119689.	4.6	17
18	Fe(III) uptake by calcium silicate hydrates. <i>Applied Geochemistry</i> , 2020, 113, 104460.	1.4	31

#	ARTICLE	IF	CITATIONS
19	Environmental and Microbial Interactions Shape Methane-Oxidizing Bacterial Communities in a Stratified Lake. <i>Frontiers in Microbiology</i> , 2020, 11, 579427.	1.5	18
20	Potential of aquatic weeds to improve water quality in natural waterways of the Zambezi catchment. <i>Scientific Reports</i> , 2020, 10, 15467.	1.6	7
21	Structural genomic variation leads to genetic differentiation in Lake Tanganyika's sardines. <i>Molecular Ecology</i> , 2020, 29, 3277-3298.	2.0	21
22	Growth and rapid succession of methanotrophs effectively limit methane release during lake overturn. <i>Communications Biology</i> , 2020, 3, 108.	2.0	40
23	Lake mixing regime selects apparent methane oxidation kinetics of the methanotroph assemblage. <i>Biogeosciences</i> , 2020, 17, 4247-4259.	1.3	12
24	Nutrient Behavior in Hydrothermal Carbonization Aqueous Phase Following Recirculation and Reuse. <i>Environmental Science & Technology</i> , 2019, 53, 10426-10434.	4.6	43
25	Sixty years since the creation of Lake Kariba: Thermal and oxygen dynamics in the riverine and lacustrine sub-basins. <i>PLoS ONE</i> , 2019, 14, e0224679.	1.1	9
26	Small hydropower goes unchecked. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 256-258.	1.9	17
27	Reviews and syntheses: Dams, water quality and tropical reservoir stratification. <i>Biogeosciences</i> , 2019, 16, 1657-1671.	1.3	106
28	Aerobic methane oxidation under copper scarcity in a stratified lake. <i>Scientific Reports</i> , 2019, 9, 4817.	1.6	20
29	A Quantitative Analysis of Socio-Economic Determinants Influencing Crop Drought Vulnerability in Sub-Saharan Africa. <i>Sustainability</i> , 2019, 11, 6135.	1.6	6
30	Contribution of Methane Formation and Methane Oxidation to Methane Emission from Freshwater Systems. , 2019, , 401-430.		3
31	Drought vulnerability assessment of maize in Sub-Saharan Africa: Insights from physical and social perspectives. <i>Global and Planetary Change</i> , 2018, 162, 266-274.	1.6	38
32	Contribution of Methane Formation and Methane Oxidation to Methane Emission from Freshwater Systems. , 2018, , 1-31.		6
33	Uncertainty-based auto-calibration for crop yield â€” the EPIC+ procedure for a case study in Sub-Saharan Africa. <i>European Journal of Agronomy</i> , 2018, 93, 57-72.	1.9	22
34	Fast Potentiometric CO ₂ Sensor for High-Resolution in Situ Measurements in Fresh Water Systems. <i>Environmental Science & Technology</i> , 2018, 52, 11259-11266.	4.6	19
35	Spatial assessment of maize physical drought vulnerability in sub-Saharan Africa: Linking drought exposure with crop failure. <i>Environmental Research Letters</i> , 2018, 13, 074010.	2.2	31
36	Green Electricity from Alpine Hydropower Plants. , 2018, , 431-441.		0

#	ARTICLE	IF	CITATIONS
37	Biomarkers in Lake Van sediments reveal dry conditions in eastern Anatolia during 110.000–10.000 years B.P.. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 571-583.	1.0	20
38	<i>Crenothrix</i> are major methane consumers in stratified lakes. <i>ISME Journal</i> , 2017, 11, 2124-2140.	4.4	146
39	Robust Solid-Contact Ion Selective Electrodes for High-Resolution In Situ Measurements in Fresh Water Systems. <i>Environmental Science and Technology Letters</i> , 2017, 4, 286-291.	3.9	46
40	Minor methane emissions from an Alpine hydropower reservoir based on monitoring of diel and seasonal variability. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1278-1291.	1.7	9
41	Carbon and nutrient fluxes from floodplains and reservoirs in the Zambezi basin. <i>Chemical Geology</i> , 2017, 467, 1-11.	1.4	12
42	Organic carbon mass accumulation rate regulates the flux of reduced substances from the sediments of deep lakes. <i>Biogeosciences</i> , 2017, 14, 3275-3285.	1.3	31
43	Direct sensing of total alkalinity profile in a stratified lake. <i>Geochemical Perspectives Letters</i> , 2017, , 85-93.	1.0	7
44	Thermostatted dual-channel portable capillary electrophoresis instrument. <i>Electrophoresis</i> , 2016, 37, 2368-2375.	1.3	24
45	Aerobic gammaproteobacterial methanotrophs mitigate methane emissions from oxic and anoxic lake waters. <i>Limnology and Oceanography</i> , 2016, 61, S101.	1.6	119
46	Methane dynamics downstream of a temperate runoff river reservoir. <i>Limnology and Oceanography</i> , 2016, 61, S188.	1.6	16
47	Hysteresis effects in organic matter turnover in a tropical floodplain during a flood cycle. <i>Biogeochemistry</i> , 2016, 131, 49-63.	1.7	15
48	Arsenate uptake by Al nanoclusters and other Al-based sorbents during water treatment. <i>Water Research</i> , 2016, 88, 844-851.	5.3	35
49	Oxygenic primary production below the oxycline and its importance for redox dynamics. <i>Aquatic Sciences</i> , 2016, 78, 727-741.	0.6	23
50	Ecotoxicological assessment of solar cell leachates: Copper indium gallium selenide (CIGS) cells show higher activity than organic photovoltaic (OPV) cells. <i>Science of the Total Environment</i> , 2016, 543, 703-714.	3.9	26
51	Seasonal dynamics of carbon and nutrients from two contrasting tropical floodplain systems in the Zambezi River basin. <i>Biogeosciences</i> , 2015, 12, 7535-7547.	1.3	13
52	Flood-Controlled Excess-Air Formation Favors Aerobic Respiration and Limits Denitrification Activity in Riparian Groundwater. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	2
53	Light-Dependent Aerobic Methane Oxidation Reduces Methane Emissions from Seasonally Stratified Lakes. <i>PLoS ONE</i> , 2015, 10, e0132574.	1.1	120
54	Mineralization pathways of organic matter deposited in a river–lake transition of the Rhone River Delta, Lake Geneva. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 370-380.	1.7	11

#	ARTICLE	IF	CITATIONS
55	Laura Sigg: Investigating the Speciation, Bioavailability and Ecotoxicology of Trace Metals in Natural Waters. <i>Aquatic Geochemistry</i> , 2015, 21, 59-64.	1.5	1
56	Size Does Matter: Importance of Large Bubbles and Small-Scale Hot Spots for Methane Transport. <i>Environmental Science & Technology</i> , 2015, 49, 1268-1276.	4.6	93
57	Methane oxidation pathways and associated methanotrophic communities in the water column of a tropical lake. <i>Limnology and Oceanography</i> , 2015, 60, 553-572.	1.6	41
58	Redox gradients at the low oxygen boundary of lakes. <i>Aquatic Sciences</i> , 2015, 77, 81-93.	0.6	13
59	<i>In Situ</i> Ammonium Profiling Using Solid-Contact Ion-Selective Electrodes in Eutrophic Lakes. <i>Analytical Chemistry</i> , 2015, 87, 11990-11997.	3.2	53
60	Century-Long Warming Trends in the Upper Water Column of Lake Tanganyika. <i>PLoS ONE</i> , 2015, 10, e0132490.	1.1	50
61	Investigating hypoxia in aquatic environments: diverse approaches to addressing a complex phenomenon. <i>Biogeosciences</i> , 2014, 11, 1215-1259.	1.3	175
62	Alkenone distribution in Lake Van sediment over the last 2700 years: influence of temperature and haptophyte species composition. <i>Quaternary Science Reviews</i> , 2014, 104, 53-62.	1.4	62
63	Comparative effects of zinc oxide nanoparticles and dissolved zinc on zebrafish embryos and eluthero-embryos: Importance of zinc ions. <i>Science of the Total Environment</i> , 2014, 476-477, 657-666.	3.9	123
64	Submicromolar Oxygen Profiles at the Oxidic-Anoxic Boundary of Temperate Lakes. <i>Aquatic Geochemistry</i> , 2014, 20, 39-57.	1.5	30
65	Spatial heterogeneity of benthic methane dynamics in the subaquatic canyons of the Rhone River Delta (Lake Geneva). <i>Aquatic Sciences</i> , 2014, 76, 89-101.	0.6	21
66	Teaching How Pollutants Behave. <i>Environmental Science & Technology</i> , 2013, 47, 6732-6734.	4.6	0
67	Conduits of the carbon cycle. <i>Nature</i> , 2013, 503, 346-347.	13.7	61
68	Optimizing turbine withdrawal from a tropical reservoir for improved water quality in downstream wetlands. <i>Water Resources Research</i> , 2013, 49, 5570-5584.	1.7	21
69	Fe(II) Sorption on a Synthetic Montmorillonite. A Combined Macroscopic and Spectroscopic Study. <i>Environmental Science & Technology</i> , 2013, 47, 6978-6986.	4.6	30
70	Improving Crop Yield and Water Productivity by Ecological Sanitation and Water Harvesting in South Africa. <i>Environmental Science & Technology</i> , 2013, 47, 4341-4348.	4.6	11
71	Organic carbon and nitrogen export from a tropical dam-impacted floodplain system. <i>Biogeosciences</i> , 2013, 10, 23-38.	1.3	26
72	Moving Targets, Long-Lived Infrastructure, and Increasing Needs for Integration and Adaptation in Water Management: An Illustration from Switzerland. <i>Environmental Science & Technology</i> , 2012, 46, 112-118.	4.6	16

#	ARTICLE	IF	CITATIONS
73	Polyaluminum chloride with high Al ₂ O ₃ content as removal agent for arsenic-contaminated well water. <i>Water Research</i> , 2012, 46, 53-62.	5.3	64
74	Contribution of bacterial cells to lacustrine organic matter based on amino sugars and d-amino acids. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 159-172.	1.6	26
75	Extreme organic carbon burial fuels intense methane bubbling in a temperate reservoir. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	130
76	River-floodplain exchange and its effects on the fluvial oxygen regime in a large tropical river system (Kafue Flats, Zambia). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
77	Adsorption of Arsenic on Polyaluminum Granulate. <i>Environmental Science & Technology</i> , 2012, 46, 7310-7317.	4.6	48
78	Nitrate removal in a restored riparian groundwater system: functioning and importance of individual riparian zones. <i>Biogeosciences</i> , 2012, 9, 4295-4307.	1.3	15
79	Greenhouse gas emissions (CO ₂ , CH ₄ , and N ₂ O) from several perialpine and alpine hydropower reservoirs by diffusion and loss in turbines. <i>Aquatic Sciences</i> , 2012, 74, 619-635.	0.6	61
80	Improved SWAT Model Performance With Time-Dynamic Voronoi Tessellation of Climatic Input Data in Southern Africa. <i>Journal of the American Water Resources Association</i> , 2012, 48, 480-493.	1.0	11
81	Intensified organic carbon dynamics in the ground water of a restored riparian zone. <i>Freshwater Biology</i> , 2012, 57, 1603-1616.	1.2	18
82	What prevents outgassing of methane to the atmosphere in Lake Tanganyika?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	22
83	Sediment accumulation and carbon, nitrogen, and phosphorus deposition in the large tropical reservoir Lake Kariba (Zambia/Zimbabwe). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	61
84	Impact of a large tropical reservoir on riverine transport of sediment, carbon, and nutrients to downstream wetlands. <i>Water Resources Research</i> , 2011, 47, .	1.7	81
85	Spatial Heterogeneity of Methane Ebullition in a Large Tropical Reservoir. <i>Environmental Science & Technology</i> , 2011, 45, 9866-9873.	4.6	205
86	Arsenic Dynamics in Porewater of an Intermittently Irrigated Paddy Field in Bangladesh. <i>Environmental Science & Technology</i> , 2011, 45, 971-976.	4.6	70
87	Exploring the hydrology and biogeochemistry of the dam-impacted Kafue River and Kafue Flats (Zambia). <i>Physics and Chemistry of the Earth</i> , 2011, 36, 775-788.	1.2	15
88	Organic matter governs N and P balance in Danube Delta lakes. <i>Aquatic Sciences</i> , 2011, 73, 21-33.	0.6	6
89	Renewable but not carbon-free. <i>Nature Geoscience</i> , 2011, 4, 585-586.	5.4	32
90	Abrupt onset of carbonate deposition in Lake Kivu during the 1960s: response to recent environmental changes. <i>Journal of Paleolimnology</i> , 2010, 44, 931-946.	0.8	39

#	ARTICLE	IF	CITATIONS
91	EXAFS study of Nd(III) uptake by amorphous calcium silicate hydrates (Câ€“Sâ€“H). Journal of Colloid and Interface Science, 2010, 342, 1-7.	5.0	34
92	Arsenic release from paddy soils during monsoonâ€“flooding. Nature Geoscience, 2010, 3, 53-59.	5.4	123
93	Extreme Methane Emissions from a Swiss Hydropower Reservoir: Contribution from Bubbling Sediments. Environmental Science & Technology, 2010, 44, 2419-2425.	4.6	235
94	Global Water Pollution and Human Health. Annual Review of Environment and Resources, 2010, 35, 109-136.	5.6	1,381
95	Solid Solutions between CrO ₄ ²⁻ and SO ₄ ²⁻ -Ettringite Ca ₆ (Al(OH) ₆) ₂ [(CrO ₄) _{1-x} (SO ₄) _x] ₂ H ₂ O. Environmental Science & Technology, 2010, 44, 8983-8988.	4.6	48
96	Physical and biogeochemical limits to internal nutrient loading of meromictic Lake Kivu. Limnology and Oceanography, 2009, 54, 1863-1873.	1.6	47
97	Lake sediments during the transient eutrophication period: Reactive-transport model and identifiability study. Ecological Modelling, 2009, 220, 2751-2769.	1.2	32
98	Sources and emission of greenhouse gases in Danube Delta lakes. Environmental Science and Pollution Research, 2009, 16, 86-91.	2.7	18
99	CaCO ₃ nucleation by cyanobacteria: laboratory evidence for a passive, surfaceâ€“induced mechanism. Geobiology, 2009, 7, 324-347.	1.1	101
100	Macro- and Microspectroscopic Study of Nd (III) Uptake Mechanisms in Hardened Cement Paste. Environmental Science & Technology, 2009, 43, 8462-8468.	4.6	9
101	Large iron isotope fractionation at the oxicâ€“anoxic boundary in Lake Nyos. Earth and Planetary Science Letters, 2009, 285, 52-60.	1.8	70
102	Influence of the diffusive boundary layer on solute dynamics in the sediments of a seicheâ€“driven lake: A model study. Journal of Geophysical Research, 2009, 114, .	3.3	29
103	Organic carbon burial efficiency in lake sediments controlled by oxygen exposure time and sediment source. Limnology and Oceanography, 2009, 54, 2243-2254.	1.6	323
104	Mineralization pathways in lake sediments with different oxygen and organic carbon supply. Limnology and Oceanography, 2009, 54, 428-438.	1.6	72
105	Seasonal Fluctuations of Bacterial Community Diversity in Agricultural Soil and Experimental Validation by Laboratory Disturbance Experiments. Microbial Ecology, 2008, 56, 210-222.	1.4	19
106	Intermittent oxygen flux from the interior into the bottom boundary of lakes as observed by eddy correlation. Limnology and Oceanography, 2008, 53, 1997-2006.	1.6	60
107	Microsensor for in situ flow measurements in benthic boundary layers at submillimeter resolution with extremely slow flow. Limnology and Oceanography: Methods, 2007, 5, 185-191.	1.0	12
108	Spatial distribution and recent changes in carbon, nitrogen and phosphorus accumulation in sediments of the Black Sea. Marine Chemistry, 2007, 105, 52-69.	0.9	27

#	ARTICLE	IF	CITATIONS
109	Influence of temperature and high acetate concentrations on methanogenesis in lake sediment slurries. FEMS Microbiology Ecology, 2007, 62, 336-344.	1.3	104
110	Hydropower production and river rehabilitation: A case study on an alpine river. Environmental Modeling and Assessment, 2007, 12, 257-267.	1.2	62
111	RECENT STUDIES ON SOURCES AND SINKS OF METHANE IN THE BLACK SEA. NATO Science Series Series IV, Earth and Environmental Sciences, 2006, , 419-441.	0.3	9
112	The Challenge of Micropollutants in Aquatic Systems. Science, 2006, 313, 1072-1077.	6.0	2,873
113	Methanotrophic microbial communities associated with bubble plumes above gas seeps in the Black Sea. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	33
114	Nutrient retention in the Danube's Iron Gate reservoir. Eos, 2006, 87, 385.	0.1	12
115	Nitrogen Removal in a Small Constructed Wetland: An Isotope Mass Balance Approach. Environmental Science & Technology, 2006, 40, 3313-3319.	4.6	111
116	Iron-Mediated Oxidation of Antimony(III) by Oxygen and Hydrogen Peroxide Compared to Arsenic(III) Oxidation. Environmental Science & Technology, 2006, 40, 2565-2571.	4.6	100
117	Microscale mineralization pathways in surface sediments: A chemical sensor study in Lake Baikal. Limnology and Oceanography, 2006, 51, 1342-1354.	1.6	40
118	Cycling of calcite in hard water lakes of different trophic states. Limnology and Oceanography, 2006, 51, 1678-1688.	1.6	33
119	Anaerobic ammonium oxidation in a tropical freshwater system (Lake Tanganyika). Environmental Microbiology, 2006, 8, 1857-1863.	1.8	278
120	Aerobic and anaerobic methanotrophs in the Black Sea water column. Environmental Microbiology, 2006, 8, 1844-1856.	1.8	115
121	Sulfate reduction and methanogenesis in the Shira and Shunet meromictic lakes (Khakasia, Russia). Microbiology, 2006, 75, 720-726.	0.5	21
122	Biogenic silica accumulation in the sediments of Iron Gate I Reservoir on the Danube River. Aquatic Sciences, 2006, 68, 469-481.	0.6	33
123	Retention of Sediments and Nutrients in the Iron Gate I Reservoir on the Danube River. Biogeochemistry, 2005, 76, 539-565.	1.7	130
124	Phosphorus Retention in Small Constructed Wetlands Treating Agricultural Drainage Water. Journal of Environmental Quality, 2005, 34, 1251-1259.	1.0	73
125	Evidence of Intense Archaeal and Bacterial Methanotrophic Activity in the Black Sea Water Column. Applied and Environmental Microbiology, 2005, 71, 8099-8106.	1.4	71
126	Internal carbon and nutrient cycling in Lake Baikal: sedimentation, upwelling, and early diagenesis. Global and Planetary Change, 2005, 46, 101-124.	1.6	78

#	ARTICLE	IF	CITATIONS
127	Assessing riverâ€“groundwater exchange in the regulated Rhone River (Switzerland) using stable isotopes and geochemical tracers. <i>Applied Geochemistry</i> , 2005, 20, 701-712.	1.4	22
128	Weak mixing in Lake Kivu: New insights indicate increasing risk of uncontrolled gas eruption. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	130
129	The Role of Autotrophic Picocyanobacteria in Calcite Precipitation in an Oligotrophic Lake. <i>Geomicrobiology Journal</i> , 2004, 21, 45-53.	1.0	95
130	Is the Iron Gate I reservoir on the Danube River a sink for dissolved silica?. <i>Biogeochemistry</i> , 2004, 68, 21-32.	1.7	75
131	Nutrient transfer from soil to surface waters: Differences between nitrate and phosphate. <i>Aquatic Sciences</i> , 2004, 66, 117-122.	0.6	64
132	Green hydropower: a new assessment procedure for river management. <i>River Research and Applications</i> , 2004, 20, 865-882.	0.7	81
133	Dissolution-precipitation behaviour of ettringite, monosulfate, and calcium silicate hydrate. <i>Cement and Concrete Research</i> , 2004, 34, 341-348.	4.6	135
134	Origin and dynamics of Fe and Mn sedimentary layers in Lake Baikal. <i>Chemical Geology</i> , 2004, 205, 55-72.	1.4	77
135	The influence of tortuosity on molecular diffusion in freshwater sediments of high porosity 1 Associate editor: M. L. Machesky. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1519-1528.	1.6	64
136	Nutrient uptake and benthic regeneration in Danube Delta Lakes. <i>Biogeochemistry</i> , 2003, 64, 373-398.	1.7	24
137	Analysis of the Major Fe Bearing Mineral Phases in Recent Lake Sediments by EXAFS Spectroscopy. <i>Aquatic Geochemistry</i> , 2003, 9, 1-17.	1.5	22
138	Green Hydropower: The contribution of aquatic science research to the promotion of sustainable electricity. <i>Aquatic Sciences</i> , 2003, 65, 99-110.	0.6	42
139	Induced Calcite Precipitation by Cyanobacterium <i>Synechococcus</i> . <i>Clean - Soil, Air, Water</i> , 2003, 31, 162-169.	0.8	65
140	Influence of organic carbon decomposition on calcite dissolution in surficial sediments of a freshwater lake. <i>Water Research</i> , 2003, 37, 4524-4532.	5.3	46
141	Diagenetic cycling of arsenic in the sediments of eutrophic Baldeggersee, Switzerland. <i>Applied Geochemistry</i> , 2003, 18, 1497-1506.	1.4	27
142	In Situ Measurements in Lake Sediments Using Ion-Selective Electrodes with a Profiling Lander System. <i>ACS Symposium Series</i> , 2002, , 126-143.	0.5	23
143	P, As, Sb, Mo, and Other Elements in Sedimentary Fe/Mn Layers of Lake Baikal. <i>Environmental Science & Technology</i> , 2002, 36, 411-420.	4.6	95
144	Benthic Nutrient Cycling and Diagenetic Pathways in the North-western Black Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2002, 54, 369-383.	0.9	81

#	ARTICLE	IF	CITATIONS
145	Limitations of Using $\delta^{18}\text{O}$ for the Source Identification of Nitrate in Agricultural Soils. <i>Environmental Science & Technology</i> , 2001, 35, 1840-1844.	4.6	124
146	Determination of methane and other small hydrocarbons with a platinum-Nafion electrode by stripping voltammetry. <i>Analytica Chimica Acta</i> , 2001, 432, 1-10.	2.6	40
147	Green Electricity from Alpine Hydropower Plants. <i>Mountain Research and Development</i> , 2001, 21, 19-24.	0.4	31
148	Measurement of Denitrification in Sediments with the ^{15}N Isotope Pairing Technique. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3771-3778.	1.4	110
149	Title is missing!. <i>Journal of Paleolimnology</i> , 2000, 24, 277-291.	0.8	26
150	Microbial processes at the aerobic-anaerobic interface in the deep-water zone of the black sea. <i>Microbiology</i> , 2000, 69, 436-448.	0.5	16
151	The effect of microorganisms and seasonal factors on the isotopic composition of particulate organic carbon from the black sea. <i>Microbiology</i> , 2000, 69, 449-459.	0.5	6
152	Vertical Distribution of Methanogens in the Anoxic Sediment of Rotsee (Switzerland). <i>Applied and Environmental Microbiology</i> , 1999, 65, 2402-2408.	1.4	134
153	Amperometric detection of gaseous ethanol and acetaldehyde at low concentrations on an Au-Nafion electrode. <i>Analyst</i> , 1999, 124, 871-876.	1.7	38
154	Uptake of Cu^{2+} by the calcium carbonates vaterite and calcite as studied by continuous wave (cw) and pulse electron paramagnetic resonance. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1955-1967.	1.6	46
155	On the chemistry of the kegglin Al_{13} polymer: kinetics of proton-promoted decomposition. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3069-3076.	1.6	54
156	Calcite dissolution in two deep eutrophic lakes. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3349-3356.	1.6	39
157	Benthic fluxes of nutrients in the northwestern Black Sea. <i>Marine Chemistry</i> , 1998, 62, 77-88.	0.9	78
158	Ten Years of Artificial Mixing and Oxygenation: No Effect on the Internal Phosphorus Loading of Two Eutrophic Lakes. <i>Environmental Science & Technology</i> , 1998, 32, 3659-3665.	4.6	151
159	High spatial resolution measurements in lake sediments with PVC based liquid membrane ion-selective electrodes. <i>Limnology and Oceanography</i> , 1998, 43, 1728-1733.	1.6	32
160	Nitrogen elimination in two deep eutrophic lakes. <i>Limnology and Oceanography</i> , 1997, 42, 1530-1543.	1.6	82
161	Complexation of Copper(II) with Carbonate Ligands in Aqueous Solution: A CW and Pulse EPR Study. <i>Inorganic Chemistry</i> , 1997, 36, 4490-4499.	1.9	48
162	Solute transfer across the sediment surface of a eutrophic lake: I. Porewater profiles from dialysis samplers. <i>Aquatic Sciences</i> , 1997, 59, 1-25.	0.6	125

#	ARTICLE	IF	CITATIONS
163	Solid phases in the cycling of manganese in eutrophic lakes: New insights from EXAFS spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 275-290.	1.6	111
164	High-resolution varve studies in Baldeggersee (Switzerland): Project overview and limnological background data. <i>Aquatic Sciences</i> , 1997, 59, 285-294.	0.6	34
165	Varve formation since 1885 and high-resolution varve analyses in hypertrophic Baldeggersee (Switzerland). <i>Aquatic Sciences</i> , 1997, 59, 304-325.	0.6	107
166	Reconstructing the iron cycle from the horizontal distribution of metals in the sediment of Baldeggersee. <i>Aquatic Sciences</i> , 1997, 59, 326-344.	0.6	16
167	Sedimentary profiles of Fe, Mn, V, Cr, As and Mo as indicators of benthic redox conditions in Baldeggersee. <i>Aquatic Sciences</i> , 1997, 59, 345-361.	0.6	73
168	Sources and sinks of nitrous oxide (N ₂ O) in deep lakes. <i>Biogeochemistry</i> , 1997, 38, 281-301.	1.7	111
169	Geochemical-focusing of manganese in lake sediments ? An indicator of deep-water oxygen conditions. <i>Aquatic Geochemistry</i> , 1997, 2, 359-378.	1.5	94
170	Solute transfer across the sediment surface of a eutrophic lake: I. Porewater profiles from dialysis samplers. <i>Aquatic Sciences</i> , 1997, 59, 1-25.	0.6	13
171	Varve formation since 1885 and high-resolution varve analyses in hypertrophic Baldeggersee (Switzerland). <i>Aquatic Sciences</i> , 1997, 59, 304.	0.6	14
172	Reconstructing the iron cycle from the horizontal distribution of metals in the sediment of Baldeggersee. <i>Aquatic Sciences</i> , 1997, 59, 326.	0.6	8
173	High-resolution varve studies in Baldeggersee (Switzerland): Project overview and limnological background data. <i>Aquatic Sciences</i> , 1997, 59, 285.	0.6	12
174	Sedimentary profiles of Fe, Mn, V, Cr, As and Mo as indicators of benthic redox conditions in Baldeggersee. <i>Aquatic Sciences</i> , 1997, 59, 345.	0.6	13
175	Microbial reactions, chemical speciation, and multicomponent diffusion in porewaters of a eutrophic lake. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 2333-2346.	1.6	81
176	Nitrous oxide emissions to the atmosphere from an artificially oxygenated lake. <i>Limnology and Oceanography</i> , 1996, 41, 548-553.	1.6	35
177	Benthic chamber and profiling landers in oceanography – A review of design, technical solutions and functioning. <i>Progress in Oceanography</i> , 1995, 35, 253-294.	1.5	164
178	Reaction Rates and Products of Manganese Oxidation at the Sediment-Water Interface. <i>Advances in Chemistry Series</i> , 1995, , 111-134.	0.6	61
179	Biogeochemical processes at the sediment-water interface: measurements and modeling. <i>Applied Geochemistry</i> , 1993, 8, 117-119.	1.4	19
180	Kinetics and mechanism of the reaction of hydrogen sulfide with lepidocrocite. <i>Environmental Science & Technology</i> , 1992, 26, 2408-2413.	4.6	112

#	ARTICLE	IF	CITATIONS
181	Chemical mechanisms in the dissolution kinetics of minerals; the aspect of active sites. <i>Aquatic Sciences</i> , 1990, 52, 3-31.	0.6	60
182	Adsorption kinetics of vanadyl (IV) and chromium (III) to aluminum oxide: Evidence for a two-step mechanism. <i>Colloids and Surfaces</i> , 1990, 51, 77-88.	0.9	62
183	Monte Carlo simulations of surface morphologies during mineral dissolution. <i>Journal of Colloid and Interface Science</i> , 1989, 132, 230-242.	5.0	65
184	Vanadyl in natural waters: Adsorption and hydrolysis promote oxygenation. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 69-77.	1.6	333
185	Redox processes catalyzed by hydrous oxide surfaces. <i>Chemical Geology</i> , 1989, 78, 167-179.	1.4	108
186	The coordination chemistry of weathering: III. A generalization on the dissolution rates of minerals. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 1969-1981.	1.6	301
187	Oxygenation of vanadyl(IV). Effect of coordinated surface hydroxyl groups and hydroxide ion. <i>Langmuir</i> , 1988, 4, 753-758.	1.6	51
188	Trait-Based Model Reproduces Patterns of Population Structure and Diversity of Methane Oxidizing Bacteria in a Stratified Lake. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
189	Tracking the legacy of early industrial activity in sediments of Lake Zurich, Switzerland: using a novel multi-proxy approach to find the source of extensive metal contamination. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	1