

George W Luther Iii

List of Publications by Year in descending order

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281
papers

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citations

6233

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10127

140
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295
all docs

295
docs citations

295
times ranked

16005
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Behavior of Metal Sulfides in Hydrothermal Plumes and Diffuse Flows. ACS Earth and Space Chemistry, 2022, 6, 1429-1442.	1.2	3
2	Influence of Organic Ligands on the Redox Properties of Fe(II) as Determined by Mediated Electrochemical Oxidation. Environmental Science & Technology, 2022, 56, 9123-9132.	4.6	19
3	Cycling of W and Mo species in natural sulfidic waters and their sorption mechanisms on MnO ₂ and implications for paired W and Mo records as a redox proxy. Geochimica Et Cosmochimica Acta, 2021, 295, 24-48.	1.6	14
4	Marine microbial Mn(II) oxidation mediates Cr(III) oxidation and isotope fractionation. Geochimica Et Cosmochimica Acta, 2021, 297, 101-119.	1.6	34
5	The Abiotic Nitrite Oxidation by Ligand-Bound Manganese (III): The Chemical Mechanism. Aquatic Geochemistry, 2021, 27, 207.	1.5	1
6	Ligand Effects on Biotic and Abiotic Fe(II) Oxidation by the Microaerophile <i>Sideroxydans lithotrophicus</i> . Environmental Science & Technology, 2021, 55, 9362-9371.	4.6	14
7	Copepod assemblages along a hydrothermal stress gradient at diffuse flow habitats within the ABE vent site (Eastern Lau Spreading Center, Southwest Pacific). Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 173, 103532.	0.6	2
8	Hydrothermal Vents Are a Source of Old Refractory Organic Carbon to the Deep Ocean. Geophysical Research Letters, 2021, 48, e2021GL094869.	1.5	10
9	Determination of ambient dissolved metal ligand complexation parameters via kinetics and pseudo-voltammetry experiments. Marine Chemistry, 2021, 234, 103998.	0.9	7
10	Fe-catalyzed sulfide oxidation in hydrothermal plumes is a source of reactive oxygen species to the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
11	Kinetics and mechanism of polysulfides and elemental sulfur formation by a reaction between hydrogen sulfide and I^- -MnO ₂ . Geochimica Et Cosmochimica Acta, 2021, 313, 21-37.	1.6	5
12	Distribution and concentration of soluble manganese(II), soluble reactive Mn(III)-L, and particulate MnO ₂ in the Northwest Atlantic Ocean. Marine Chemistry, 2020, 226, 103858.	0.9	13
13	Developing Autonomous Observing Systems for Micronutrient Trace Metals. Frontiers in Marine Science, 2019, 6, .	1.2	19
14	Abiotic synthesis of graphite in hydrothermal vents. Nature Communications, 2019, 10, 5179.	5.8	14
15	The Speciation and Mobility of Mn and Fe in Estuarine Sediments. Aquatic Geochemistry, 2019, 25, 3-26.	1.5	30
16	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. Science, 2019, 363, .	6.0	479
17	Concentrations of reactive Mn(III)-L and MnO ₂ in estuarine and marine waters determined using spectrophotometry and the leuco base, leucoberberlin blue. Talanta, 2019, 200, 91-99.	2.9	33
18	The Fe(II)-oxidizing <i>Zetaproteobacteria</i> : historical, ecological and genomic perspectives. FEMS Microbiology Ecology, 2019, 95, .	1.3	76

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19	Iron and sulfide nanoparticle formation and transport in nascent hydrothermal vent plumes. <i>Nature Communications</i> , 2019, 10, 1597.	5.8	40
20	Mn speciation at nanomolar concentrations with a porphyrin competitive ligand and UV-vis measurements. <i>Talanta</i> , 2019, 200, 15-21.	2.9	8
21	A durable and inexpensive pump profiler to monitor stratified water columns with high vertical resolution. <i>Talanta</i> , 2019, 199, 415-424.	2.9	8
22	Development of a rate law for arsenite oxidation by manganese oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 251-267.	1.6	21
23	Distribution of desferrioxamine-B-extractable soluble manganese(III) and particulate MnO ₂ in the St. Lawrence Estuary, Canada. <i>Marine Chemistry</i> , 2019, 208, 70-82.	0.9	11
24	Passing the Editorial Baton. <i>Aquatic Geochemistry</i> , 2018, 24, 1-2.	1.5	1
25	Acetylenotrophy: a hidden but ubiquitous microbial metabolism?. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	14
26	Reduction of Manganese Oxides: Thermodynamic, Kinetic and Mechanistic Considerations for One-Versus Two-Electron Transfer Steps. <i>Aquatic Geochemistry</i> , 2018, 24, 257-277.	1.5	28
27	Oxidative Formation and Removal of Complexed Mn(III) by <i>Pseudomonas</i> Species. <i>Frontiers in Microbiology</i> , 2018, 9, 560.	1.5	22
28	Trace metal diagenesis in sulfidic sediments: Insights from Chesapeake Bay. <i>Chemical Geology</i> , 2017, 452, 47-59.	1.4	34
29	Revisiting Mn and Fe removal in humic rich estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 267-283.	1.6	51
30	A model of phototrophic sulfide oxidation in a stratified estuary. <i>Limnology and Oceanography</i> , 2017, 62, 1853-1867.	1.6	10
31	Soluble Mn(III)-L complexes are abundant in oxygenated waters and stabilized by humic ligands. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 199, 238-246.	1.6	135
32	Citation Honoring Frank J. Millero as the 2011 Victor M. Goldschmidt Awardee. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 219, 177.	1.6	0
33	Oxidative and reductive processes contributing to manganese cycling at oxic-anoxic interfaces. <i>Marine Chemistry</i> , 2017, 195, 122-128.	0.9	49
34	Redox reactions and weak buffering capacity lead to acidification in the Chesapeake Bay. <i>Nature Communications</i> , 2017, 8, 369.	5.8	128
35	Growth of magnetotactic sulfate-reducing bacteria in oxygen concentration gradient medium. <i>Environmental Microbiology Reports</i> , 2016, 8, 1003-1015.	1.0	24
36	Peripheral communities of the Eastern Lau Spreading Center and Valu Fa Ridge: community composition, temporal change and comparison to near-vent communities. <i>Marine Ecology</i> , 2016, 37, 599-617.	0.4	22

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37	The role of microaerophilic Fe-oxidizing microorganisms in producing banded iron formations. <i>Geobiology</i> , 2016, 14, 509-528.	1.1	67
38	Planktonic marine iron oxidizers drive iron mineralization under low-oxygen conditions. <i>Geobiology</i> , 2016, 14, 499-508.	1.1	40
39	Reactivity of Transition Metal Complexes: Thermodynamics, Kinetics and Catalysis. , 2016, , 305-355.		0
40	Oxidation-Reduction Reactions (Redox). , 2016, , 24-44.		0
41	Microbial Iron Mats at the Mid-Atlantic Ridge and Evidence that Zetaproteobacteria May Be Restricted to Iron-Oxidizing Marine Systems. <i>PLoS ONE</i> , 2015, 10, e0119284.	1.1	85
42	Evidence for the presence of strong Mn(III)-binding ligands in the water column of the Chesapeake Bay. <i>Marine Chemistry</i> , 2015, 171, 58-66.	0.9	81
43	The uptake and excretion of partially oxidized sulfur expands the repertoire of energy resources metabolized by hydrothermal vent symbioses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142811.	1.2	41
44	Microbial biofilms associated with fluid chemistry and megafaunal colonization at post-eruptive deep-sea hydrothermal vents. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 121, 31-40.	0.6	25
45	Dynamic hydrologic and biogeochemical processes drive microbially enhanced iron and sulfur cycling within the intertidal mixing zone of a beach aquifer. <i>Limnology and Oceanography</i> , 2015, 60, 329-345.	1.6	111
46	Trace metal concentration and partitioning in the first 1.5 m of hydrothermal vent plumes along the Mid-Atlantic Ridge: TAG, Snakepit, and Rainbow. <i>Chemical Geology</i> , 2015, 412, 117-131.	1.4	36
47	A kinetic approach to assess the strengths of ligands bound to soluble Mn(III). <i>Marine Chemistry</i> , 2015, 173, 93-99.	0.9	51
48	Hydrothermal Fe cycling and deep ocean organic carbon scavenging: Model-based evidence for significant POC supply to seafloor sediments. <i>Earth and Planetary Science Letters</i> , 2015, 419, 143-153.	1.8	63
49	Reduction Kinetics of Polymeric (Soluble) Manganese (IV) Oxide (MnO ₂) by Ferrous Iron (Fe ²⁺). <i>Aquatic Geochemistry</i> , 2015, 21, 143-158.	1.5	39
50	Light-Dependent Sulfide Oxidation in the Anoxic Zone of the Chesapeake Bay Can Be Explained by Small Populations of Phototrophic Bacteria. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7560-7569.	1.4	28
51	Oxidation of synthesized sub-micron pyrite (FeS ₂) in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 144, 96-108.	1.6	56
52	Nanoparticulate pyrite and other nanoparticles are a widespread component of hydrothermal vent black smoker emissions. <i>Chemical Geology</i> , 2014, 366, 32-41.	1.4	98
53	Using in situ voltammetry as a tool to identify and characterize habitats of iron-oxidizing bacteria: from fresh water wetlands to hydrothermal vent sites. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2117-2126.	1.7	27
54	An Introduction to the Major Chemical Components Released from Hydrothermal Vents. , 2014, , .		2

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55	Distribution and size fractionation of elemental sulfur in aqueous environments: The Chesapeake Bay and Mid-Atlantic Ridge. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 334-348.	1.6	51
56	Community succession in hydrothermal vent habitats of the Eastern Lau Spreading Center and Valu Fa Ridge, Tonga. <i>Limnology and Oceanography</i> , 2014, 59, 1510-1528.	1.6	38
57	Fred T. Mackenzie: Gentleman, Scholar, Mountaineer and Model Colleague. <i>Aquatic Geochemistry</i> , 2013, 19, 347-351.	1.5	0
58	Comparison of pyrite (FeS ₂) synthesis mechanisms to reproduce natural FeS ₂ nanoparticles found at hydrothermal vents. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 447-458.	1.6	41
59	Distribution of mega fauna on sulfide edifices on the Eastern Lau Spreading Center and Valu Fa Ridge. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 72, 48-60.	0.6	30
60	Morphology of biogenic iron oxides records microbial physiology and environmental conditions: toward interpreting iron microfossils. <i>Geobiology</i> , 2013, 11, 457-471.	1.1	53
61	Abundant Porewater Mn(III) Is a Major Component of the Sedimentary Redox System. <i>Science</i> , 2013, 341, 875-878.	6.0	222
62	In vivo speciation studies and antioxidant properties of bromine in <i>Laminaria digitata</i> reinforce the significance of iodine accumulation for kelps. <i>Journal of Experimental Botany</i> , 2013, 64, 2653-2664.	2.4	49
63	Temporal trends in vent fluid iron and sulfide chemistry following the 2005/2006 eruption at East Pacific Rise, 9°50'N. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 759-765.	1.0	13
64	Phototrophic sulfide oxidation: environmental insights and a method for kinetic analysis. <i>Frontiers in Microbiology</i> , 2013, 4, 382.	1.5	16
65	Workshop Report: Inorganic and Radioactive Properties. <i>Geophysical Monograph Series</i> , 2013, , 213-219.	0.1	0
66	The molecular biogeochemistry of manganese(II) oxidation. <i>Biochemical Society Transactions</i> , 2012, 40, 1244-1248.	1.6	95
67	Evidence for the role of endosymbionts in regional-scale habitat partitioning by hydrothermal vent symbioses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3241-50.	3.3	94
68	Quantitative Assessment of the Sulfuric Acid Contribution to New Particle Growth. <i>Environmental Science & Technology</i> , 2012, 46, 4365-4373.	4.6	71
69	Recent sedimentation in the Black Sea: New insights from radionuclide distributions and sulfur isotopes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 66, 103-113.	0.6	16
70	The Microbial Ferrous Wheel in a Neutral pH Groundwater Seep. <i>Frontiers in Microbiology</i> , 2012, 3, 172.	1.5	90
71	The East Pacific Rise Between 9°N and 10°N: Twenty-Five Years of Integrated, Multidisciplinary Oceanic Spreading Center Studies. <i>Oceanography</i> , 2012, 25, 18-43.	0.5	72
72	Chemistry, Temperature, and Faunal Distributions at Diffuse-Flow Hydrothermal Vents: Comparison of Two Geologically Distinct Ridge Systems. <i>Oceanography</i> , 2012, 25, 234-245.	0.5	28

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73	Effects of a commercial, suspended eastern oyster nursery upon nutrient and sediment chemistry in a temperate, coastal embayment. <i>Aquaculture Environment Interactions</i> , 2012, 3, 65-79.	0.7	9
74	Simultaneous determination of soluble manganese(III), manganese(II) and total manganese in natural (pore)waters. <i>Talanta</i> , 2011, 84, 374-381.	2.9	108
75	Thermodynamics and Kinetics of Sulfide Oxidation by Oxygen: A Look at Inorganically Controlled Reactions and Biologically Mediated Processes in the Environment. <i>Frontiers in Microbiology</i> , 2011, 2, 62.	1.5	173
76	Hydrothermal vents as a kinetically stable source of iron-sulphide-bearing nanoparticles to the ocean. <i>Nature Geoscience</i> , 2011, 4, 367-371.	5.4	210
77	Mechanisms of oxidation of organosulfur compounds by ferrate(VI). <i>Chemosphere</i> , 2011, 82, 1083-1089.	4.2	102
78	Growth kinetics and long-term stability of CdS nanoparticles in aqueous solution under ambient conditions. <i>Journal of Nanoparticle Research</i> , 2011, 13, 393-404.	0.8	39
79	Sulfide Oxidation across Diffuse Flow Zones of Hydrothermal Vents. <i>Aquatic Geochemistry</i> , 2011, 17, 583-601.	1.5	37
80	Preface to John W. Morse Special Issue of Aquatic Geochemistry. <i>Aquatic Geochemistry</i> , 2011, 17, 307.	1.5	1
81	Voltammetric Characterization of Dissolved Cadmium Sulfide Species. <i>Electroanalysis</i> , 2011, 23, 2735-2742.	1.5	1
82	Commemorating Two Centuries of Iodine Research: An Interdisciplinary Overview of Current Research. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11598-11620.	7.2	299
83	Thermodynamic Redox Calculations for One and Two Electron Transfer Steps: Implications for Halide Oxidation and Halogen Environmental Cycling. <i>ACS Symposium Series</i> , 2011, , 15-35.	0.5	8
84	Nanoparticle Chemical Composition During New Particle Formation. <i>Aerosol Science and Technology</i> , 2011, 45, 1041-1048.	1.5	50
85	The Role of One- and Two-Electron Transfer Reactions in Forming Thermodynamically Unstable Intermediates as Barriers in Multi-Electron Redox Reactions. <i>Aquatic Geochemistry</i> , 2010, 16, 395-420.	1.5	190
86	Carbon Cycling and the Coupling Between Proton and Electron Transfer Reactions in Aquatic Sediments in Lake Champlain. <i>Aquatic Geochemistry</i> , 2010, 16, 421-446.	1.5	37
87	Earthquake-induced turbidite deposition as a previously unrecognized sink for hydrogen sulfide in the Black Sea sediments. <i>Marine Chemistry</i> , 2010, 121, 176-186.	0.9	24
88	Spectroscopic determination of the size of cadmium sulfide nanoparticles formed under environmentally relevant conditions. <i>Journal of Environmental Monitoring</i> , 2010, 12, 890.	2.1	33
89	Sulfur speciation in the upper Black Sea sediments. <i>Chemical Geology</i> , 2010, 269, 364-375.	1.4	68
90	Biotic and abiotic factors affecting distributions of megafauna in diffuse flow on andesite and basalt along the Eastern Lau Spreading Center, Tonga. <i>Marine Ecology - Progress Series</i> , 2010, 418, 25-45.	0.9	78

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91	Adaptation of chemosynthetic microorganisms to elevated mercury concentrations in deep-sea hydrothermal vents. <i>Limnology and Oceanography</i> , 2009, 54, 41-49.	1.6	27
92	Oxygen dynamics in a well mixed estuary, the lower Delaware Bay, USA. <i>Marine Chemistry</i> , 2009, 117, 11-20.	0.9	12
93	Distribution of diffuse flow megafauna in two sites on the Eastern Lau Spreading Center, Tonga. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 2041-2056.	0.6	68
94	Pre- and post-eruption diffuse flow variability among tubeworm habitats at 9°50'N north on the East Pacific Rise. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1607-1615.	0.6	19
95	Time-series chemical and temperature habitat characterization of diffuse flow hydrothermal sites at 9°50'N East Pacific Rise. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1616-1621.	0.6	22
96	Rapid, oxygen-dependent microbial Mn(II) oxidation kinetics at sub-micromolar oxygen concentrations in the Black Sea suboxic zone. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1878-1889.	1.6	97
97	The kinetics of iodide oxidation by the manganese oxide mineral birnessite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2850-2861.	1.6	61
98	Marine Chemical Technology and Sensors for Marine Waters: Potentials and Limits. <i>Annual Review of Marine Science</i> , 2009, 1, 91-115.	5.1	78
99	Formation of Zn- and Fe-sulfides near hydrothermal vents at the Eastern Lau Spreading Center: implications for sulfide bioavailability to chemoautotrophs. <i>Geochemical Transactions</i> , 2008, 9, 6.	1.8	44
100	Solid-State Au/Hg Microelectrode for the Investigation of Fe and Mn Cycling in a Freshwater Wetland: Implications for Methane Production. <i>Electroanalysis</i> , 2008, 20, 233-239.	1.5	17
101	Voltammetric (Micro)Electrodes for the In Situ Study of Fe ²⁺ Oxidation Kinetics in Hot Springs and S ₂ O ₃ ²⁻ Production at Hydrothermal Vents. <i>Electroanalysis</i> , 2008, 20, 280-290.	1.5	34
102	Use of voltammetric solid-state (micro)electrodes for studying biogeochemical processes: Laboratory measurements to real time measurements with an in situ electrochemical analyzer (ISEA). <i>Marine Chemistry</i> , 2008, 108, 221-235.	0.9	156
103	Low-oxygen and chemical kinetic constraints on the geochemical niche of neutrophilic iron(II) oxidizing microorganisms. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3358-3370.	1.6	195
104	Occurrence and Mammalian Cell Toxicity of Iodinated Disinfection Byproducts in Drinking Water. <i>Environmental Science & Technology</i> , 2008, 42, 8330-8338.	4.6	830
105	Hydrothermal Vent Mussel Habitat Chemistry, Pre- and Post-Eruption at 9°50'N North on the East Pacific Rise. <i>Journal of Shellfish Research</i> , 2008, 27, 169-175.	0.3	29
106	Interrelationships Between Vent Fluid Chemistry, Temperature, Seismic Activity, and Biological Community Structure at a Mussel-Dominated, Deep-Sea Hydrothermal Vent Along the East Pacific Rise. <i>Journal of Shellfish Research</i> , 2008, 27, 177-190.	0.3	31
107	Variation in Sulfur Speciation with Shellfish Presence at a Lau Basin Diffuse Flow Vent Site. <i>Journal of Shellfish Research</i> , 2008, 27, 163-168.	0.3	24
108	Iodide accumulation provides kelp with an inorganic antioxidant impacting atmospheric chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6954-6958.	3.3	318

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109	Porewater redox species and processes in the Black Sea sediments. <i>Chemical Geology</i> , 2007, 245, 254-274.	1.4	36
110	Biogeochemistry of Fe(II) oxidation in a photosynthetic microbial mat: Implications for Precambrian Fe(II) oxidation. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4629-4643.	1.6	66
111	Chemistry of Iron Sulfides. <i>Chemical Reviews</i> , 2007, 107, 514-562.	23.0	1,209
112	Introduction:Â Chemical Oceanography. <i>Chemical Reviews</i> , 2007, 107, 305-307.	23.0	6
113	Control of Ferrous Iron Oxidation within Circumneutral Microbial Iron Mats by Cellular Activity and Autocatalysis. <i>Environmental Science & Technology</i> , 2007, 41, 6084-6089.	4.6	99
114	Lithium Diphenylphosphide and Diphenyl(Trimethylsilyl)Phosphine. <i>Inorganic Syntheses</i> , 2007, , 186-188.	0.3	19
115	Voltammetry: An In Situ Tool to Monitor the Health of Ecosystems. <i>Electroanalysis</i> , 2007, 19, 2051-2058.	1.5	5
116	Use of Voltammetry to Monitor O ₂ Using Au/Hg Electrodes and to Control Physical Sensors on an Unattended Observatory in the Delaware Bay. <i>Electroanalysis</i> , 2007, 19, 2110-2116.	1.5	11
117	Short-term and interannual variability of redox-sensitive chemical parameters in hypoxic/anoxic bottom waters of the Chesapeake Bay. <i>Marine Chemistry</i> , 2007, 105, 296-308.	0.9	32
118	Soluble Mn(III) in Suboxic Zones. <i>Science</i> , 2006, 313, 1955-1957.	6.0	281
119	Metal Sulfide Complexes and Clusters. <i>Reviews in Mineralogy and Geochemistry</i> , 2006, 61, 421-504.	2.2	108
120	Pseudopolarographic Determination of Cd ²⁺ Complexation in Freshwater. <i>Environmental Science & Technology</i> , 2006, 40, 5388-5394.	4.6	21
121	Acceptance of the 2004 Clair C. Patterson award. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, S14-S15.	1.6	0
122	Documenting the suboxic zone of the Black Sea via high-resolution real-time redox profiling. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1740-1755.	0.6	40
123	Processes controlling the redox budget for the oxic/anoxic water column of the Black Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1817-1841.	0.6	59
124	Spatial and temporal variability of the Black Sea suboxic zone. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1756-1768.	0.6	48
125	8. Metal Sulfide Complexes and Clusters. , 2006, , 421-504.		5
126	Shift of algal community structure in dead end lagoons of the Delaware Inland Bays during seasonal anoxia. <i>Aquatic Microbial Ecology</i> , 2006, 44, 279-290.	0.9	16

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127	Application of EIS with Au-Hg microelectrode in determining electron transfer mechanisms. <i>Electrochimica Acta</i> , 2006, 51, 1524-1533.	2.6	13
128	Removal of H ₂ S via an iron catalytic cycle and iron sulfide precipitation in the water column of dead end tributaries. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 461-472.	0.9	50
129	An Investigation into the Suitability of Bismuth as an Alternative to Gold-Amalgam as a Working Electrode for the In Situ Determination of Chemical Redox Species in the Natural Environment. <i>Electroanalysis</i> , 2006, 18, 1167-1172.	1.5	17
130	Acid volatile sulfide—a comment. <i>Marine Chemistry</i> , 2005, 97, 198-205.	0.9	32
131	Metal Sulfide Cluster Complexes and their Biogeochemical Importance in the Environment. <i>Journal of Nanoparticle Research</i> , 2005, 7, 389-407.	0.8	191
132	Iron(III) Coordination Chemistry of Alterobactin A: A Siderophore from the Marine Bacterium <i>Alteromonas luteoviolacea</i> . <i>Inorganic Chemistry</i> , 2005, 44, 7671-7677.	1.9	25
133	Root-Induced Cycling of Lead in Salt Marsh Sediments. <i>Environmental Science & Technology</i> , 2005, 39, 2080-2086.	4.6	63
134	Manganese(II) Oxidation and Mn(IV) Reduction in the Environment—Two One-Electron Transfer Steps Versus a Single Two-Electron Step. <i>Geomicrobiology Journal</i> , 2005, 22, 195-203.	1.0	112
135	Potential for Microscale Bacterial Fe Redox Cycling at the Aerobic-Anaerobic Interface. <i>Geomicrobiology Journal</i> , 2004, 21, 379-391.	1.0	137
136	Kinetics of the Reactions of Water, Hydroxide Ion and Sulfide Species with CO ₂ , OCS and CS ₂ : Frontier Molecular Orbital Considerations. <i>Aquatic Geochemistry</i> , 2004, 10, 81-97.	1.5	25
137	The roles of anoxia, H ₂ S, and storm events in fish kills of dead-end canals of Delaware inland bays. <i>Estuaries and Coasts</i> , 2004, 27, 551-560.	1.7	61
138	The dynamic response of optical oxygen sensors and voltammetric electrodes to temporal changes in dissolved oxygen concentrations. <i>Analytica Chimica Acta</i> , 2004, 518, 93-100.	2.6	55
139	Physicochemical characterization of the microhabitat of the epibionts associated with <i>Alvinella pompejana</i> , a hydrothermal vent annelid. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2055-2066.	1.6	72
140	Factors affecting dissolved organic matter dynamics in mixed-redox to anoxic coastal sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4099-4111.	1.6	39
141	ACS Geochemistry division medal. <i>Organic Geochemistry</i> , 2004, 35, IX.	0.9	0
142	Activation of diatomic and triatomic molecules for the synthesis of organic compounds: Metal catalysis at the seafloor biosphere. <i>Geophysical Monograph Series</i> , 2004, , 191-198.	0.1	1
143	Iron and Sulfur Chemistry in a Stratified Lake: Evidence for Iron-Rich Sulfide Complexes. <i>Aquatic Geochemistry</i> , 2003, 9, 87-110.	1.5	67
144	Kinetics and Mechanism of Trithionate and Tetrathionate Oxidation at Low pH by Hydroxyl Radicals. <i>Aquatic Geochemistry</i> , 2003, 9, 145-164.	1.5	31

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145	Redox Chemistry in the Root Zone of a Salt Marsh Sediment in the Tagus Estuary, Portugal. <i>Aquatic Geochemistry</i> , 2003, 9, 257-271.	1.5	86
146	Determination of Pb Complexation in Oxidic and Sulfidic Waters Using Pseudovoltammetry. <i>Environmental Science & Technology</i> , 2003, 37, 3845-3852.	4.6	33
147	ATR-FTIR spectroscopic studies of boric acid adsorption on hydrous ferric oxide. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2551-2560.	1.6	294
148	Oxidation of Cysteine and Glutathione by Soluble Polymeric MnO ₂ . <i>Environmental Science & Technology</i> , 2003, 37, 3332-3338.	4.6	56
149	The kinetics of iodine disproportionation: a system of parallel second-order reactions sustained by a multi-species pre-equilibrium. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3428.	1.3	37
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