George W Luther Iii

List of Publications by Year
in descending order

281 papers	23,276 citations	6254 80 h-index	9861 141 g-index
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.	2.7	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.	10.0	19
3	Cycling of W and Mo species in natural sulfidic waters and their sorption mechanisms on MnO2 and implications for paired W and Mo records as a redox proxy. Geochimica Et Cosmochimica Acta, 2021, 295, 24-48.	3.9	14
4	Marine microbial Mn(II) oxidation mediates Cr(III) oxidation and isotope fractionation. Geochimica Et Cosmochimica Acta, 2021, 297, 101-119.	3.9	34
5	The Abiotic Nitrite Oxidation by Ligand-Bound Manganese (III): The Chemical Mechanism. Aquatic Geochemistry, 2021, 27, 207.	1.3	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.	10.0	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.	1.4	2
8	Hydrothermal Vents Are a Source of Old Refractory Organic Carbon to the Deep Ocean. Geophysical Research Letters, 2021, 48, e2021GL094869.	4.0	10
9	Determination of ambient dissolved metal ligand complexation parameters via kinetics and pseudo-voltammetry experiments. Marine Chemistry, 2021, 234, 103998.	2.3	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, .	7.1	14
11	Kinetics and mechanism of polysulfides and elemental sulfur formation by a reaction between hydrogen sulfide and Î´-MnO2. Geochimica Et Cosmochimica Acta, 2021, 313, 21-37.	3.9	5
12	Distribution and concentration of soluble manganese(II), soluble reactive Mn(III)-L, and particulate MnO2 in the Northwest Atlantic Ocean. Marine Chemistry, 2020, 226, 103858.	2.3	13
13	Developing Autonomous Observing Systems for Micronutrient Trace Metals. Frontiers in Marine Science, 2019, 6, .	2.5	19
14	Abiotic synthesis of graphite in hydrothermal vents. Nature Communications, 2019, 10, 5179.	12.8	14
15	The Speciation and Mobility of Mn and Fe in Estuarine Sediments. Aquatic Geochemistry, 2019, 25, 3-26.	1.3	30
16	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. Science, 2019, 363, .	12.6	479
17	Concentrations of reactive Mn(III)-L and MnO2 in estuarine and marine waters determined using spectrophotometry and the leuco base, leucoberbelin blue. Talanta, 2019, 200, 91-99.	5.5	33
18	The Fe(II)-oxidizing<i>Zetaproteobacteria</i>: historical, ecological and genomic perspectives. FEMS Microbiology Ecology, 2019, 95, .	2.7	76

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19	Iron and sulfide nanoparticle formation and transport in nascent hydrothermal vent plumes. Nature Communications, 2019, 10, 1597.	12.8	40
20	Mn speciation at nanomolar concentrations with a porphyrin competitive ligand and UVâ€"vis measurements. Talanta, 2019, 200, 15-21.	5.5	8
21	A durable and inexpensive pump profiler to monitor stratified water columns with high vertical resolution. Talanta, 2019, 199, 415-424.	5.5	8
22	Development of a rate law for arsenite oxidation by manganese oxides. Geochimica Et Cosmochimica Acta, 2019, 250, 251-267.	3.9	21
23	Distribution of desferrioxamine-B-extractable soluble manganese(III) and particulate MnO2 in the St. Lawrence Estuary, Canada. Marine Chemistry, 2019, 208, 70-82.	2.3	11
24	Passing the Editorial Baton. Aquatic Geochemistry, 2018, 24, 1-2.	1.3	1
25	Acetylenotrophy: a hidden but ubiquitous microbial metabolism?. FEMS Microbiology Ecology, 2018, 94, .	2.7	14
26	Reduction of Manganese Oxides: Thermodynamic, Kinetic and Mechanistic Considerations for One- Versus Two-Electron Transfer Steps. Aquatic Geochemistry, 2018, 24, 257-277.	1.3	28
27	Oxidative Formation and Removal of Complexed Mn(III) by Pseudomonas Species. Frontiers in Microbiology, 2018, 9, 560.	3.5	22
28	Trace metal diagenesis in sulfidic sediments: Insights from Chesapeake Bay. Chemical Geology, 2017, 452, 47-59.	3.3	34
29	Revisiting Mn and Fe removal in humic rich estuaries. Geochimica Et Cosmochimica Acta, 2017, 209, 267-283.	3.9	51
30	A model of phototrophic sulfide oxidation in a stratified estuary. Limnology and Oceanography, 2017, 62, 1853-1867.	3.1	10
31	Soluble Mn(III)â€"L complexes are abundant in oxygenated waters and stabilized by humic ligands. Geochimica Et Cosmochimica Acta, 2017, 199, 238-246.	3.9	135
32	Citation Honoring Frank J. Millero as the 2011 Victor M. Goldschmidt Awardee. Geochimica Et Cosmochimica Acta, 2017, 219, 177.	3.9	0
33	Oxidative and reductive processes contributing to manganese cycling at oxic-anoxic interfaces. Marine Chemistry, 2017, 195, 122-128.	2.3	49
34	Redox reactions and weak buffering capacity lead to acidification in the Chesapeake Bay. Nature Communications, 2017, 8, 369.	12.8	128
35	Growth of magnetotactic sulfateâ€reducing bacteria in oxygen concentration gradient medium. Environmental Microbiology Reports, 2016, 8, 1003-1015.	2.4	24
36	Peripheral communities of the Eastern Lau Spreading Center and Valu Fa Ridge: community composition, temporal change and comparison to nearâ€vent communities. Marine Ecology, 2016, 37, 599-617.	1.1	22

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37	The role of microaerophilic Feâ€oxidizing microâ€organisms in producing banded iron formations. Geobiology, 2016, 14, 509-528.	2.4	67
38	Planktonic marine iron oxidizers drive iron mineralization under lowâ€oxygen conditions. Geobiology, 2016, 14, 499-508.	2.4	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. PLoS ONE, 2015, 10, e0119284.	2.5	85
42	Evidence for the presence of strong Mn(III)-binding ligands in the water column of the Chesapeake Bay. Marine Chemistry, 2015, 171, 58-66.	2.3	81
43	The uptake and excretion of partially oxidized sulfur expands the repertoire of energy resources metabolized by hydrothermal vent symbioses. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142811.	2.6	41
44	Microbial biofilms associated with fluid chemistry and megafaunal colonization at post-eruptive deep-sea hydrothermal vents. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 121, 31-40.	1.4	25
45	Dynamic hydrologic and biogeochemical processes drive microbially enhanced iron and sulfur cycling within the intertidal mixing zone of a beach aquifer. Limnology and Oceanography, 2015, 60, 329-345.	3.1	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. Chemical Geology, 2015, 412, 117-131.	3.3	36
47	A kinetic approach to assess the strengths of ligands bound to soluble Mn(III). Marine Chemistry, 2015, 173, 93-99.	2.3	51
48	Hydrothermal Fe cycling and deep ocean organic carbon scavenging: Model-based evidence for significant POC supply to seafloor sediments. Earth and Planetary Science Letters, 2015, 419, 143-153.	4.4	63
49	Reduction Kinetics of Polymeric (Soluble) Manganese (IV) Oxide (MnO2) by Ferrous Iron (Fe2+). Aquatic Geochemistry, 2015, 21, 143-158.	1.3	39
50	Light-Dependent Sulfide Oxidation in the Anoxic Zone of the Chesapeake Bay Can Be Explained by Small Populations of Phototrophic Bacteria. Applied and Environmental Microbiology, 2015, 81, 7560-7569.	3.1	28
51	Oxidation of synthesized sub-micron pyrite (FeS 2) in seawater. Geochimica Et Cosmochimica Acta, 2014, 144, 96-108.	3.9	56
52	Nanoparticulate pyrite and other nanoparticles are a widespread component of hydrothermal vent black smoker emissions. Chemical Geology, 2014, 366, 32-41.	3.3	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. Environmental Sciences: Processes and Impacts, 2014, 16, 2117-2126.	3.5	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. Geochimica Et Cosmochimica Acta, 2014, 142, 334-348.	3.9	51
56	Community succession in hydrothermal vent habitats of the Eastern Lau Spreading Center and Valu Fa Ridge, Tonga. Limnology and Oceanography, 2014, 59, 1510-1528.	3.1	38
57	Fred T. Mackenzie: Gentleman, Scholar, Mountaineer and Model Colleague. Aquatic Geochemistry, 2013, 19, 347-351.	1.3	0
58	Comparison of pyrite (FeS2) synthesis mechanisms to reproduce natural FeS2 nanoparticles found at hydrothermal vents. Geochimica Et Cosmochimica Acta, 2013, 120, 447-458.	3.9	41
59	Distribution of mega fauna on sulfide edifices on the Eastern Lau Spreading Center and Valu Fa Ridge. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 72, 48-60.	1.4	30
60	Morphology of biogenic iron oxides records microbial physiology and environmental conditions: toward interpreting iron microfossils. Geobiology, 2013, 11, 457-471.	2.4	53
61	Abundant Porewater Mn(III) Is a Major Component of the Sedimentary Redox System. Science, 2013, 341, 875-878.	12.6	222
62	In vivo speciation studies and antioxidant properties of bromine in Laminaria digitata reinforce the significance of iodine accumulation for kelps. Journal of Experimental Botany, 2013, 64, 2653-2664.	4.8	49
63	Temporal trends in vent fluid iron and sulfide chemistry following the 2005/2006 eruption at East Pacific Rise, 9Â°50â€²N. Geochemistry, Geophysics, Geosystems, 2013, 14, 759-765.	2.5	13
64	Phototrophic sulfide oxidation: environmental insights and a method for kinetic analysis. Frontiers in Microbiology, 2013, 4, 382.	3.5	16
65	Workshop Report: Inorganic and Radioactive Properties. Geophysical Monograph Series, 2013, , 213-219.	0.1	0
66	The molecular biogeochemistry of manganese(II) oxidation. Biochemical Society Transactions, 2012, 40, 1244-1248.	3.4	95
67	Evidence for the role of endosymbionts in regional-scale habitat partitioning by hydrothermal vent symbioses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3241-50.	7.1	94
68	Quantitative Assessment of the Sulfuric Acid Contribution to New Particle Growth. Environmental Science & Technology, 2012, 46, 4365-4373.	10.0	71
69	Recent sedimentation in the Black Sea: New insights from radionuclide distributions and sulfur isotopes. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 66, 103-113.	1.4	16
70	The Microbial Ferrous Wheel in a Neutral pH Groundwater Seep. Frontiers in Microbiology, 2012, 3, 172.	3.5	90
71	The East Pacific Rise Between 9Â°N and 10Â°N: Twenty-Five Years of Integrated, Multidisciplinary Oceanic Spreading Center Studies. Oceanography, 2012, 25, 18-43.	1.0	72
72	Chemistry, Temperature, and Faunal Distributions at Diffuse-Flow Hydrothermal Vents: Comparison of Two Geologically Distinct Ridge Systems. Oceanography, 2012, 25, 234-245.	1.0	28

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73	Effects of a commercial, suspended eastern oyster nursery upon nutrient and sediment chemistry in a temperate, coastal embayment. Aquaculture Environment Interactions, 2012, 3, 65-79.	1.8	9
74	Simultaneous determination of soluble manganese(III), manganese(II) and total manganese in natural (pore)waters. Talanta, 2011, 84, 374-381.	5.5	108
75	Thermodynamics and Kinetics of Sulfide Oxidation by Oxygen: A Look at Inorganically Controlled Reactions and Biologically Mediated Processes in the Environment. Frontiers in Microbiology, 2011, 2, 62.	3.5	173
76	Hydrothermal vents as a kinetically stable source of iron-sulphide-bearing nanoparticles to the ocean. Nature Geoscience, 2011, 4, 367-371.	12.9	210
77	Mechanisms of oxidation of organosulfur compounds by ferrate(VI). Chemosphere, 2011, 82, 1083-1089.	8.2	102
78	Growth kinetics and long-term stability of CdS nanoparticles in aqueous solution under ambient conditions. Journal of Nanoparticle Research, 2011, 13, 393-404.	1.9	39
79	Sulfide Oxidation across Diffuse Flow Zones of Hydrothermal Vents. Aquatic Geochemistry, 2011, 17, 583-601.	1.3	37
80	Preface to John W. Morse Special Issue of Aquatic Geochemistry. Aquatic Geochemistry, 2011, 17, 307.	1.3	1
81	Voltammetric Characterization of Dissolved Cadmium Sulfide Species. Electroanalysis, 2011, 23, 2735-2742.	2.9	1
82	Commemorating Two Centuries of Iodine Research: An Interdisciplinary Overview of Current Research. Angewandte Chemie - International Edition, 2011, 50, 11598-11620.	13.8	299
83	Thermodynamic Redox Calculations for One and Two Electron Transfer Steps: Implications for Halide Oxidation and Halogen Environmental Cycling. ACS Symposium Series, 2011, , 15-35.	0.5	8
84	Nanoparticle Chemical Composition During New Particle Formation. Aerosol Science and Technology, 2011, 45, 1041-1048.	3.1	50
85	The Role of One- and Two-Electron Transfer Reactions in Forming Thermodynamically Unstable Intermediates as Barriers in Multi-Electron Redox Reactions. Aquatic Geochemistry, 2010, 16, 395-420.	1.3	190
86	Carbon Cycling and the Coupling Between Proton and Electron Transfer Reactions in Aquatic Sediments in Lake Champlain. Aquatic Geochemistry, 2010, 16, 421-446.	1.3	37
87	Earthquake-induced turbidite deposition as a previously unrecognized sink for hydrogen sulfide in the Black Sea sediments. Marine Chemistry, 2010, 121, 176-186.	2.3	24
88	Spectroscopic determination of the size of cadmium sulfide nanoparticles formed under environmentally relevant conditions. Journal of Environmental Monitoring, 2010, 12, 890.	2.1	33
89	Sulfur speciation in the upper Black Sea sediments. Chemical Geology, 2010, 269, 364-375.	3.3	68
90	Biotic and abiotic factors affecting distributions of megafauna in diffuse flow on andesite and basalt along the Eastern Lau Spreading Center, Tonga. Marine Ecology - Progress Series, 2010, 418, 25-45.	1.9	78

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91	Adaptation of chemosynthetic microorganisms to elevated mercury concentrations in deep-sea hydrothermal vents. Limnology and Oceanography, 2009, 54, 41-49.	3.1	27
92	Oxygen dynamics in a well mixed estuary, the lower Delaware Bay, USA. Marine Chemistry, 2009, 117, 11-20.	2.3	12
93	Distribution of diffuse flow megafauna in two sites on the Eastern Lau Spreading Center, Tonga. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 2041-2056.	1.4	68
94	Pre- and post-eruption diffuse flow variability among tubeworm habitats at 9Â°50â€² north on the East Pacific Rise. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1607-1615.	1.4	19
95	Time-series chemical and temperature habitat characterization of diffuse flow hydrothermal sites at 9Â°50â€²N East Pacific Rise. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1616-1621.	1.4	22
96	Rapid, oxygen-dependent microbial Mn(II) oxidation kinetics at sub-micromolar oxygen concentrations in the Black Sea suboxic zone. Geochimica Et Cosmochimica Acta, 2009, 73, 1878-1889.	3.9	97
97	The kinetics of iodide oxidation by the manganese oxide mineral birnessite. Geochimica Et Cosmochimica Acta, 2009, 73, 2850-2861.	3.9	61
98	Marine Chemical Technology and Sensors for Marine Waters: Potentials and Limits. Annual Review of Marine Science, 2009, 1, 91-115.	11.6	78
99	Formation of Zn- and Fe-sulfides near hydrothermal vents at the Eastern Lau Spreading Center: implications for sulfide bioavailability to chemoautotrophs. Geochemical Transactions, 2008, 9, 6.	0.7	44
100	Solidâ€State Au/Hg Microelectrode for the Investigation of Fe and Mn Cycling in a Freshwater Wetland: Implications for Methane Production. Electroanalysis, 2008, 20, 233-239.	2.9	17
101	Voltammetric (Micro)Electrodes for the In Situ Study of Fe²⁺ Oxidation Kinetics in Hot Springs and S₂O$m{ _3^{2 - } }$ Production at Hydrothermal Vents. Electroanalysis, 2008, 20, 280-290.	2.9	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). Marine Chemistry, 2008, 108, 221-235.	2.3	156
103	Low-oxygen and chemical kinetic constraints on the geochemical niche of neutrophilic iron(II) oxidizing microorganisms. Geochimica Et Cosmochimica Acta, 2008, 72, 3358-3370.	3.9	195
104	Occurrence and Mammalian Cell Toxicity of Iodinated Disinfection Byproducts in Drinking Water. Environmental Science & Technology, 2008, 42, 8330-8338.	10.0	830
105	Hydrothermal Vent Mussel Habitat Chemistry, Pre- and Post-Eruption at 9Â°50â€²North on the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 169-175.	0.9	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. Journal of Shellfish Research, 2008, 27, 177-190.	0.9	31
107	Variation in Sulfur Speciation with Shellfish Presence at a Lau Basin Diffuse Flow Vent Site. Journal of Shellfish Research, 2008, 27, 163-168.	0.9	24
108	Iodide accumulation provides kelp with an inorganic antioxidant impacting atmospheric chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6954-6958.	7.1	318

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109	Porewater redox species and processes in the Black Sea sediments. Chemical Geology, 2007, 245, 254-274.	3.3	36
110	Biogeochemistry of Fe(II) oxidation in a photosynthetic microbial mat: Implications for Precambrian Fe(II) oxidation. Geochimica Et Cosmochimica Acta, 2007, 71, 4629-4643.	3.9	66
111	Chemistry of Iron Sulfides. Chemical Reviews, 2007, 107, 514-562.	47.7	1,209
112	Introduction:Â Chemical Oceanography. Chemical Reviews, 2007, 107, 305-307.	47.7	6
113	Control of Ferrous Iron Oxidation within Circumneutral Microbial Iron Mats by Cellular Activity and Autocatalysis. Environmental Science & Technology, 2007, 41, 6084-6089.	10.0	99
114	Lithium Diphenylphosphide and Diphenyl(Trimethylsilyl)Phosphine. Inorganic Syntheses, 2007, , 186-188.	0.3	19
115	Voltammetry: An In Situ Tool to Monitor the Health of Ecosystems. Electroanalysis, 2007, 19, 2051-2058.	2.9	5
116	Use of Voltammetry to Monitor O₂ Using Au/Hg Electrodes and to Control Physical Sensors on an Unattended Observatory in the Delaware Bay. Electroanalysis, 2007, 19, 2110-2116.	2.9	11
117	Short-term and interannual variability of redox-sensitive chemical parameters in hypoxic/anoxic bottom waters of the Chesapeake Bay. Marine Chemistry, 2007, 105, 296-308.	2.3	32
118	Soluble Mn(III) in Suboxic Zones. Science, 2006, 313, 1955-1957.	12.6	281
119	Metal Sulfide Complexes and Clusters. Reviews in Mineralogy and Geochemistry, 2006, 61, 421-504.	4.8	108
120	Pseudopolarographic Determination of Cd2+Complexation in Freshwater. Environmental Science & Technology, 2006, 40, 5388-5394.	10.0	21
121	Acceptance of the 2004 Clair C. Patterson award. Geochimica Et Cosmochimica Acta, 2006, 70, S14-S15.	3.9	0
122	Documenting the suboxic zone of the Black Sea via high-resolution real-time redox profiling. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1740-1755.	1.4	40
123	Processes controlling the redox budget for the oxic/anoxic water column of the Black Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1817-1841.	1.4	59
124	Spatial and temporal variability of the Black Sea suboxic zone. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1756-1768.	1.4	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. Aquatic Microbial Ecology, 2006, 44, 279-290.	1.8	16

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127	Application of EIS with Auâ€"Hg microelectrode in determining electron transfer mechanisms. Electrochimica Acta, 2006, 51, 1524-1533.	5.2	13
128	Removal of H2S via an iron catalytic cycle and iron sulfide precipitation in the water column of dead end tributaries. Estuarine, Coastal and Shelf Science, 2006, 70, 461-472.	2.1	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. Electroanalysis, 2006, 18, 1167-1172.	2.9	17
130	Acid volatile sulfideâ€"a comment. Marine Chemistry, 2005, 97, 198-205.	2.3	32
131	Metal Sulfide Cluster Complexes and their Biogeochemical Importance in the Environment. Journal of Nanoparticle Research, 2005, 7, 389-407.	1.9	191
132	Iron(III) Coordination Chemistry of Alterobactin A:Â A Siderophore from the Marine BacteriumAlteromonas luteoviolacea. Inorganic Chemistry, 2005, 44, 7671-7677.	4.0	25
133	Root-Induced Cycling of Lead in Salt Marsh Sediments. Environmental Science & Technology, 2005, 39, 2080-2086.	10.0	63
134	Manganese(II) Oxidation and Mn(IV) Reduction in the Environmentâ€"Two One-Electron Transfer Steps Versus a Single Two-Electron Step. Geomicrobiology Journal, 2005, 22, 195-203.	2.0	112
135	Potential for Microscale Bacterial Fe Redox Cycling at the Aerobic-Anaerobic Interface. Geomicrobiology Journal, 2004, 21, 379-391.	2.0	137
136	Kinetics of the Reactions of Water, Hydroxide Ion and Sulfide Species with CO2, OCS and CS2: Frontier Molecular Orbital Considerations. Aquatic Geochemistry, 2004, 10, 81-97.	1.3	25
137	The roles of anoxia, H2S, and storm events in fish kills of dead-end canals of Delaware inland bays. Estuaries and Coasts, 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. Analytica Chimica Acta, 2004, 518, 93-100.	5.4	55
139	Physicochemical characterization of the microhabitat of the epibionts associated with Alvinella pompejana, a hydrothermal vent annelid. Geochimica Et Cosmochimica Acta, 2004, 68, 2055-2066.	3.9	72
140	Factors affecting dissolved organic matter dynamics in mixed-redox to anoxic coastal sediments. Geochimica Et Cosmochimica Acta, 2004, 68, 4099-4111.	3.9	39
141	ACS Geochemistry division medal. Organic Geochemistry, 2004, 35, IX.	1.8	0
142	Activation of diatomic and triatomic molecules for the synthesis of organic compounds: Metal catalysis at the subseafloor biosphere. Geophysical Monograph Series, 2004, , 191-198.	0.1	1
143	Iron and Sulfur Chemistry in a Stratified Lake: Evidence for Iron-Rich Sulfide Complexes. Aquatic Geochemistry, 2003, 9, 87-110.	1.3	67
144	Kinetics and Mechanism of Trithionate and Tetrathionate Oxidation at Low pH by Hydroxyl Radicals. Aquatic Geochemistry, 2003, 9, 145-164.	1.3	31

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145	Redox Chemistry in the Root Zone of a Salt Marsh Sediment in the Tagus Estuary, Portugal. Aquatic Geochemistry, 2003, 9, 257-271.	1.3	86
146	Determination of Pb Complexation in Oxic and Sulfidic Waters Using Pseudovoltammetry. Environmental Science & Technology, 2003, 37, 3845-3852.	10.0	33
147	ATR-FTIR spectroscopic studies of boric acid adsorption on hydrous ferric oxide. Geochimica Et Cosmochimica Acta, 2003, 67, 2551-2560.	3.9	294
148	Oxidation of Cysteine and Glutathione by Soluble Polymeric MnO2. Environmental Science & Technology, 2003, 37, 3332-3338.	10.0	56
149	The kinetics of iodine disproportionation: a system of parallel second-order reactions sustained by a multi-species pre-equilibrium. Physical Chemistry Chemical Physics, 2003, 5, 3428.	2.8	37
150	Lateral injection of oxygen with the Bosporus plumeâ€"fingers of oxidizing potential in the Black Sea. Limnology and Oceanography, 2003, 48, 2369-2376.	3.1	110
151	Bioavailability of iron to <i>Trichodesmium</i> colonies in the western subtropical Atlantic Ocean. Limnology and Oceanography, 2003, 48, 2250-2255.	3.1	43
152	Mn Cycling in Marine Biofilms: effect on the Rate of Localized Corrosion. Biofouling, 2003, 19, 139-149.	2.2	37
153	A Continuous Flow Electrochemical Cell for Analysis of Chemical Species and Ions at High Pressure: Laboratory, Shipboard, and Hydrothermal Vent Results. ACS Symposium Series, 2002, , 54-72.	0.5	13
154	Ironâ€sulfurâ€phosphorus cycling in the sediments of a shallow coastal bay: Implications for sediment nutrient release and benthic macroalgal blooms. Limnology and Oceanography, 2002, 47, 1346-1354.	3.1	326
155	In Situ Voltammetry at Deep-Sea Hydrothermal Vents. ACS Symposium Series, 2002, , 40-51.	0.5	9
156	Aqueous Copper Sulfide Clusters as Intermediates during Copper Sulfide Formation. Environmental Science & Technology, 2002, 36, 394-402.	10.0	122
157	In Situ Sulfur Speciation Using Au/Hg Microelectrodes as an Aid to Microbial Characterization of an Intertidal Salt Marsh Microbial Mat. ACS Symposium Series, 2002, , 283-304.	0.5	7
158	Voltammetric Evidence Suggesting Ag Speciation Is Dominated by Sulfide Complexation in River Water. ACS Symposium Series, 2002, , 371-387.	0.5	10
159	Iodine chemistry reflects productivity and denitrification in the Arabian Sea: evidence for flux of dissolved species from sediments of western India into the OMZ. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 2303-2318.	1.4	77
160	The influence of sulfides on soluble organic-Fe(III) in anoxic sediment porewaters. Estuaries and Coasts, 2002, 25, 1088-1096.	1.7	48
161	An anion chromatography/ultraviolet detection method to determine nitrite, nitrate, and sulfide concentrations in saline (pore) waters. Marine Chemistry, 2002, 77, 1-6.	2.3	20
162	Spectrophotometric measurement of seawater carbohydrate concentrations in neritic and oceanic waters from the U.S. Middle Atlantic Bight and the Delaware estuary. Marine Chemistry, 2002, 77, 143-156.	2.3	35

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163	Title is missing!. Aquatic Geochemistry, 2002, 8, 15-36.	1.3	59
164	Sulfur speciation monitored in situ with solid state gold amalgam voltammetric microelectrodes: polysulfides as a special case in sediments, microbial mats and hydrothermal vent waters. Journal of Environmental Monitoring, 2001, 3, 61-66.	2.1	130
165	Metalâ€“organic complexation in the marine environment. Geochemical Transactions, 2001, 2, 65.	0.7	16
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