

Ferrozine---a new spectrophotometric reagent for iron

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Citation Report

#	ARTICLE	IF	CITATIONS
20	Determination of serum iron and Latent Iron-Binding Capacity (LIBC). Clinica Chimica Acta, 1971, 35, 91-98.	0.5	140
21	Spectrophotometric study of the reaction of 3-(2-pyridyl)-5,6-bis(4-phenylsulfonic acid)-1,2,4-triazine with iron and copper. Microchemical Journal, 1971, 16, 245-252.	2.3	6
22	Spectrophotometric determination of serum iron at the submicrogram level with a new reagent (ferrozine). Analytical Biochemistry, 1971, 40, 450-458.	1.1	742
23	Determination of Serum Iron with a New Color Reagent. Clinical Toxicology, 1971, 4, 621-629.	0.5	10
24	Automated determination of serum iron and latent iron-binding capacity by continuous flow analysis without dialysis. Clinica Chimica Acta, 1972, 37, 391-397.	0.5	5
25	Simultaneous determination of sample concentration and reagent blank. Analytical Chemistry, 1972, 44, 1061-1064.	3.2	9
26	Spectrophotometric determination of sulfur dioxide by reduction of iron(III) in the presence of ferrozine. Analytical Chemistry, 1972, 44, 1515-1517.	3.2	19
27	Tests for the Elements, their Ions and Compounds. , 1972, , 94-524.		6
28	Trimethylphenylammonium bromide as a selective quantitative precipitant for gold or thallium. Analytical Chemistry, 1972, 44, 1513-1515.	3.2	0
29	Equilibriums of organic phosphates with horse oxyhemoglobin. Biochemistry, 1972, 11, 4660-4668.	1.2	33
30	Spectrophotometric determination of microamounts of ascorbic acid in citrus fruits. Analytical Chemistry, 1972, 44, 379-381.	3.2	52
31	Rapid characterization of Salmonella organisms by means of pyrolysis-gas-liquid chromatography. Analytical Chemistry, 1972, 44, 1058-1061.	3.2	60
32	Colorimetric determination of iron in plant material using ferrozine. Journal of the Science of Food and Agriculture, 1972, 23, 1355-1357.	1.7	8
33	Translocation of Iron from Soybean Cotyledons. Plant Physiology, 1973, 52, 393-396.	2.3	25
34	CHANGES IN THE CONCENTRATION OF SOLUBLE AND PARTICULATE IRON IN SEAWATER ENCLOSED IN CONTAINERS ¹ . Limnology and Oceanography, 1973, 18, 590-596.	1.6	47
35	An Automated Procedure, with Use of Ferrozine, for Assay of Serum Iron and Total Iron-Binding Capacity. Clinical Chemistry, 1973, 19, 526-528.	1.5	28
36	Simultaneous Determination of Copper and Iron in a Single Aliquot of Serum. Clinical Chemistry, 1974, 20, 188-191.	1.5	23
37	Spectrophotometric determination of copper(I) and cobalt(II) with ferrozine. Analytical Chemistry, 1974, 46, 1605-1606.	3.2	54

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38	Spectrophotometric determination of micro amounts of cysteine. <i>Analytical Chemistry</i> , 1974, 46, 915-916.	3.2	1
39	Study of the icsh proposed reference method for serum iron assay: Obtaining optically clear filtrates and substitution of ferrozine. <i>Clinica Chimica Acta</i> , 1974, 53, 391-393.	0.5	25
40	Mössbauer spectroscopy studies of beef-heart cytochrome c oxidase. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1974, 336, 6-14.	1.7	11
41	On the chemical mass-balance in estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 1974, 38, 1719-1728.	1.6	413
42	New chromogens of the ferroin type—VII Some 3-substituted-1,2,4-triazines, 3,5-disubstituted-1,2,4-triazolines and triazoles, and 2,4- and 2,6-bis triazinyl and triazoliny substituted pyridines. <i>Talanta</i> , 1974, 21, 831-836.	2.9	19
43	Further evidence that leukocytic endogenous mediator (LEM) is not endotoxin. <i>Life Sciences</i> , 1974, 14, 1765-1776.	2.0	36
44	Iron and aconitase activity. <i>Biochemical Journal</i> , 1974, 139, 709-714.	1.7	36
45	Structure of ovotransferrin. II. Isolation and characterization of a specific iron-binding fragment after cyanogen bromide cleavage. <i>Biochemistry</i> , 1974, 13, 403-407.	1.2	17
46	The Significance of Small Erythrocytes. <i>American Journal of Clinical Pathology</i> , 1975, 64, 48-52.	0.4	31
47	Human Platelet Monoamine Oxidase Activity in Iron-Deficiency Anaemia. <i>Clinical Science and Molecular Medicine</i> , 1975, 48, 289-295.	0.8	73
48	Magnetic susceptibility of ferrihemoglobin in water and 5%-butanol. <i>Biopolymers</i> , 1975, 14, 1293-1304.	1.2	9
49	EFFECTS OF FEEDING OXIDIZED OR HEATED SOYBEAN OIL ON TISSUE COMPOSITION AND HEMATOLOGICAL STATUS OF RATS. <i>Journal of Food Science</i> , 1975, 40, 545-548.	1.5	15
50	Serum Zinc, Iron, and Copper Concentrations during Typhoid Fever in Man: Effect of Chloramphenicol Therapy. <i>Clinical Chemistry</i> , 1975, 21, 528-532.	1.5	15
51	A Field Study of Chemical Budgets for a Small Tidal Creek—Charleston Harbor, S.C.. <i>ACS Symposium Series</i> , 1975, , 152-175.	0.5	8
52	The measurement of iron-binding capacity in serum and purified transferrin with the aid of chemical affinity chromatography.. <i>Journal of Clinical Pathology</i> , 1975, 28, 156-162.	1.0	3
53	Determination of iron and unsaturated iron-binding capacity in serum with ferrozine. <i>Clinica Chimica Acta</i> , 1975, 61, 229-232.	0.5	36
54	Lipid changes in human male parotid saliva by stimulation. <i>Archives of Oral Biology</i> , 1975, 20, 403-406.	0.8	24
55	Immobilized enzyme-based flowing-stream analyzer for measurement of penicillin in fermentation broths. <i>Analytical Chemistry</i> , 1976, 48, 1211-1215.	3.2	62

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56	Kinetically assisted equilibrium-based repetitive determination of iron(II) with Ferrozine in flow-through systems. <i>Analytical Chemistry</i> , 1976, 48, 1207-1211.	3.2	23
57	Water-soluble sulfonated chromogenic reagents of the ferriin type and determination of iron and copper in water, blood serum, and beer with the tetraammonium salt of 2,4-bis(5,6-diphenyl-1,2,4-triazin-3-yl)pyridinetetrasulfonic acid. <i>Analytical Chemistry</i> , 1976, 48, 1216-1220.	3.2	40
58	Flocculation of dissolved organic and inorganic matter during the mixing of river water and seawater. <i>Geochimica Et Cosmochimica Acta</i> , 1976, 40, 831-845.	1.6	916
59	Effect of iron on the relative abundance of two large polypeptides of the <i>Escherichiacoli</i> outer membrane. <i>Biochemical and Biophysical Research Communications</i> , 1976, 70, 315-322.	1.0	64
60	Oxidative Metabolism of Foreign Compounds in Rat Small Intestine: Cellular Localization and Dependence on Dietary Iron. <i>Gastroenterology</i> , 1976, 70, 1063-1070.	0.6	93
61	Isolation of Monoferric Phytate from Wheat Bran and its Biological Value as an Iron Source to the Rat. <i>Journal of Nutrition</i> , 1976, 106, 753-760.	1.3	118
62	Some Properties of Human Platelet Monoamine Oxidase in Iron-Deficiency Anaemia. <i>Clinical Science and Molecular Medicine</i> , 1976, 50, 479-485.	0.8	27
63	Studies on the Proportion and Synthesis of Haemoglobin G Philadelphia in Red Cells of Heterozygotes, a Homozygote, and a Heterozygote for both Haemoglobin G and β^+ Thalassemia. <i>British Journal of Haematology</i> , 1976, 34, 207-220.	1.2	57
64	Bleeding from Self-administration of Phenindione: a Detailed Case-study. <i>British Journal of Haematology</i> , 1976, 33, 551-564.	1.2	3
65	Effects of chitosan—a coagulating agent for food processing wastes—in the diets of rats on growth and liver and blood composition. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1976, 15, 555-563.	1.3	32
66	Competitive binding of iron by transferrins from different vertebrates. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1976, 453, 319-331.	1.7	5
67	Characterization and application of FerroZine iron reagent as a ferrous iron indicator. <i>Analytical Chemistry</i> , 1976, 48, 1197-1201.	3.2	260
68	Properties of nitrite reductase from <i>Cucurbita pepo</i> . <i>Phytochemistry</i> , 1976, 15, 599-603.	1.4	56
69	Hemoglobin Riyadh- β^2 (120 [GH3] Lys \rightarrow Asn): A New Variant Found in Association with β^+ -Thalassemia and Iron Deficiency. <i>Hemoglobin</i> , 1976, 1, 59-74.	0.4	38
72	Application of a new iron reagent, 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine, to spectrophotometric determination of tocopherols. <i>Agricultural and Biological Chemistry</i> , 1977, 41, 593-596.	0.3	5
73	Kinetics of oxalate attack on ferrozine-iron(II) complex and regeneration of ligand in determination of iron(II). <i>Analytical Chemistry</i> , 1977, 49, 319-321.	3.2	18
74	Localization of iron in <i>Vigna sinensis</i> (L.) and <i>Zea mays</i> (L.). <i>Journal of Agricultural and Food Chemistry</i> , 1977, 25, 803-806.	2.4	4
75	Haemoglobin North Shore-Caracas β^2 134 (H12) valine \rightarrow glutamic acid. <i>FEBS Letters</i> , 1977, 80, 261-265.	1.3	28

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76	The mechanism of iron removal in estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 1977, 41, 1313-1324.	1.6	636
77	New chromogens of the ferrioxal type—VIII Some di- and trisubstituted 1,2,4-triazines, 3-substituted-9H-indeno[1,2-e]-1,2,4-triazin-9-ones, and di- and trisubstituted 1,2,4-triazolines. <i>Talanta</i> , 1977, 24, 685-687.	2.9	17
78	The chemistry, biology, and vertical flux of particulate matter from the upper 400 m of the equatorial Atlantic Ocean. <i>Deep-sea Research</i> , 1977, 24, 511-548.	1.5	366
79	Analytical reactions of substituted cyanoferrates. <i>Microchemical Journal</i> , 1977, 22, 561-566.	2.3	6
80	FERRITIN AS AN ASSESSMENT OF IRON STORES IN NORMAL PREGNANCY. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1977, 84, 434-438.	1.1	28
81	EFFECT OF WHITE BREAD IN NUTRITIONALLY ADEQUATE DIETS ON IRON UTILIZATION BY ANEMIC RATS. <i>Journal of Food Science</i> , 1977, 42, 1672-1673.	1.5	3
82	Repetitive determinations of iron(III) in closed flow-through systems by series reactions. <i>Analytica Chimica Acta</i> , 1977, 94, 289-296.	2.6	13
83	Copper interference in the determination of iron in serum using ferrozine. <i>Clinical Biochemistry</i> , 1977, 10, 122-123.	0.8	10
84	Essential serum trace metals. <i>Microchemical Journal</i> , 1977, 22, 335-346.	2.3	18
85	Rapid spectrophotometric analysis of total and ionic iron in the μg range. <i>Mikrochimica Acta</i> , 1977, 68, 413-418.	2.5	4
86	Silicate in anoxic pore waters and oxidation effects during sampling. <i>Nature</i> , 1978, 273, 373-374.	13.7	48
87	Analytical reactions of substituted cyanoferrates. <i>Microchemical Journal</i> , 1978, 23, 278-284.	2.3	13
88	Molybdenum in pore waters of anoxic marine sediments by electron paramagnetic resonance spectroscopy. <i>Marine Chemistry</i> , 1978, 6, 365-373.	0.9	22
89	Recommendations for Measurement of Serum Iron in Human Blood*. <i>British Journal of Haematology</i> , 1978, 38, 291-294.	1.2	228
90	Isolation of a factor with toxohormone properties from mouse tumor cells in culture. <i>Cancer Letters</i> , 1978, 5, 49-54.	3.2	4
91	The geochemistry of iron in Puget Sound. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 9-19.	1.6	130
92	Interstitial water chemistry in the sediments of Saanich Inlet. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 1011-1026.	1.6	215
93	Limitations on the spectrophotometric determination of copper(I) with ferrozine. <i>Analytical Chemistry</i> , 1978, 50, 531-532.	3.2	5

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94	Positive pressure columns for solvent cleanup or chromatography. <i>Analytical Chemistry</i> , 1978, 50, 532-533.	3.2	3
95	The removal of dissolved humic acids and iron during estuarine mixing. <i>Earth and Planetary Science Letters</i> , 1978, 40, 130-136.	1.8	475
96	Evaluation of a Packaged Kit Assay of Serum Ferritin and Application to Clinical Diagnosis of Selected Anemias. <i>American Journal of Clinical Pathology</i> , 1978, 70, 79-84.	0.4	21
97	Early diagenesis in transitional sedimentary environments of the White Oak River Estuary, North Carolina 1. <i>Limnology and Oceanography</i> , 1978, 23, 428-441.	1.6	74
98	Chemical and immunochemical measurement of total iron-binding capacity compared.. <i>Clinical Chemistry</i> , 1978, 24, 1788-1791.	1.5	24
99	Redox Equilibria of Iron in Acid Mine Waters. <i>ACS Symposium Series</i> , 1979, , 51-79.	0.5	86
100	Effect of zinc stress on factors affecting iron uptake in navy bean. <i>Journal of Plant Nutrition</i> , 1979, 1, 171-183.	0.9	10
101	On the nature of sickle-cell disease in the Arabian Peninsula. <i>Human Genetics</i> , 1979, 52, 323-335.	1.8	19
102	Kinetic and spectroscopic studies of an intermediate in the reaction of the diimine complex trisferrozineiron(II) with hydroxide ion in water and in aqueous methanol. <i>Transition Metal Chemistry</i> , 1979, 4, 95-97.	0.7	10
103	Pore water sampling in anoxic carbonate sediments: oxidation artefacts. <i>Nature</i> , 1979, 277, 48-49.	13.7	47
104	Application of Formaldoxime Colorimetric Method for the Determination of Manganese in the Pore Water of Anoxic Estuarine Sediments. <i>Estuaries and Coasts</i> , 1979, 2, 198.	1.7	40
105	Removal of "soluble" iron in the Potomac River estuary. <i>Estuarine and Coastal Marine Science</i> , 1979, 9, 41-49.	0.9	25
106	A simple method for the rapid determination of iron in natural waters. <i>Water Research</i> , 1979, 13, 295-297.	5.3	177
107	Redox species in a reducing fjord: equilibrium and kinetic considerations. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1979, 26, 859-878.	1.6	226
108	Studies on the mobilization of iron from ferritin by isolated rat liver mitochondria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1979, 588, 256-271.	1.1	42
109	The role of ferrichrome reductase in iron metabolism of <i>Ustilago sphaerogena</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979, 569, 277-286.	1.4	22
110	Bioavailability to Rats of Iron and Zinc in Wheat Bran: Response to Low-Phytate Bran and Effect of the Phytate/Zinc Molar Ratio. <i>Journal of Nutrition</i> , 1980, 110, 2000-2010.	1.3	101
111	The biogeochemistry of sediments in two Gulf of Maine basins. <i>Marine Chemistry</i> , 1980, 9, 307-320.	0.9	8

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112	Reduction of essential fatty acid deficiency in rats fed a low iron fat free diet. <i>Lipids</i> , 1980, 15, 55-60.	0.7	27
113	Behaviour of phosphate in estuarine water. <i>Nature</i> , 1980, 287, 532-534.	13.7	27
114	The Anaemia of <i>P. falciparum</i> Malaria. <i>British Journal of Haematology</i> , 1980, 46, 171-183.	1.2	268
115	Chemical tracers for particle transport in the Chesapeake Bay. <i>Estuarine and Coastal Marine Science</i> , 1980, 10, 75-83.	0.9	18
116	Further Studies of the Ferrozine Reaction for Iron in Beer. <i>Journal of the American Society of Brewing Chemists</i> , 1980, 38, 77-78.	0.8	3
117	Biologically mediated corrosion and its effects on water quality in distribution systems. <i>Journal - American Water Works Association</i> , 1980, 72, 636-645.	0.2	72
118	Factors related to iron uptake by dicotyledonous and monocotyledonous plants. II. The reduction of Fe ³⁺ as influenced by roots and inhibitors. <i>Journal of Plant Nutrition</i> , 1980, 2, 647-660.	0.9	58
119	Factors related to iron uptake by dicotyledonous and monocotyledonous plants III. Competition between root and external factors for Fe. <i>Journal of Plant Nutrition</i> , 1980, 2, 661-682.	0.9	29
120	Diagenetic Processes Near the Sediment-Water Interface of Long Island Sound. II. Fe and Mn. <i>Advances in Geophysics</i> , 1980, 22, 351-415.	1.1	160
121	2,4,6-tris(2'-pyridyl)-s-triazine: a new analytical reagent for the spectrophotometric determination of iron. <i>Talanta</i> , 1980, 27, 963-969.	2.9	8
122	Spectrophotometric determination of microamounts of tocopheryl acetate (vitamin E) in multi-vitamin capsules. <i>Talanta</i> , 1980, 27, 993-996.	2.9	4
123	Potassium hexacyanoruthenate(II) as an analytical reagent for iron. <i>Talanta</i> , 1980, 27, 445-447.	2.9	3
124	Malonichrome, a new iron chelate from <i>Fusarium roseum</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1980, 629, 382-390.	1.1	48
125	Early diagenesis in sediments from the eastern equatorial Pacific, I. Pore water nutrient and carbonate results. <i>Earth and Planetary Science Letters</i> , 1980, 49, 57-80.	1.8	226
126	The identity of a new copper(II) electron paramagnetic resonance signal in cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1981, 635, 73-80.	0.5	32
127	Spectrophotometric Determination of Trace Elements. <i>CRC Critical Reviews in Analytical Chemistry</i> , 1981, 11, 195-260.	2.3	6
128	The effect of iron deficiency during development on passive avoidance learning in the adult rat. <i>Physiology and Behavior</i> , 1981, 27, 1089-1096.	1.0	30
129	Ferrozine iron and total iron-binding capacity method adapted to the ABA-100 Bichromatic Analyzer. <i>Clinical Chemistry</i> , 1981, 27, 1441-1444.	1.5	9

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130	Plasma zinc in hypertension/toxemia and other reproductive variables in adolescent pregnancy. American Journal of Clinical Nutrition, 1981, 34, 2367-2375.	2.2	98
131	Hematological Values for Reindeer. Journal of Wildlife Management, 1981, 45, 976.	0.7	9
132	The Genetics and Molecular Basis of Alpha Thalassaemia in Association with Hb S in Jamaican Negroes. British Journal of Haematology, 1981, 47, 43-56.	1.2	36
133	Diurnal Levels of Immunoreactive Erythropoietin in Normal Subjects and Subjects with Chronic Lung Disease. British Journal of Haematology, 1981, 49, 189-200.	1.2	77
134	EPR Spectroscopy of soybean lipoxygenase-1. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1981, 667, 77-86.	1.7	67
135	Degradation of massive pyrite: Physical, chemical, and bacterial effects. Geomicrobiology Journal, 1981, 2, 363-374.	1.0	10
136	Light-induced reduction of FE3+ as related to causes of chlorosis in cotton. Journal of Plant Nutrition, 1981, 3, 767-787.	0.9	21
137	Reduction of gastrointestinal protein loss by elemental diet in Crohn's disease of the small bowel. Gut, 1981, 22, 383-387.	6.1	63
138	Edaphic Factors Related to Shoalgrass (<i>Halodule wrightii</i> Aschers.) Production. Botanica Marina, 1982, 25, .	0.6	8
139	Gemeinsame Studie zur Erstellung von Richtwerten für klinisch-chemische Kenngrößen im Kindesalter. Clinical Chemistry and Laboratory Medicine, 1982, 20, 235-242.	1.4	13
140	Culture Studies of <i>Halodule wrightii</i> Aschers. Edaphic Requirements. Botanica Marina, 1982, 25, .	0.6	10
141	Photochemical reduction of iron. II. Plant related factors. Journal of Plant Nutrition, 1982, 5, 335-344.	0.9	44
142	Isolation and characterization of dimerum acid from <i>Verticillium dahliae</i> . Journal of Plant Nutrition, 1982, 5, 675-682.	0.9	24
143	Relation of Soil Water Movement and Sulfide Concentration to <i>Spartina alterniflora</i> Production in a Georgia Salt Marsh. Science, 1982, 218, 61-63.	6.0	241
144	Nutritional status of vegetarian children. American Journal of Clinical Nutrition, 1982, 35, 204-216.	2.2	66
145	Nutritional Intake and Hematological Parameters in Endurance Runners. Physician and Sportsmedicine, 1982, 10, 37-43.	1.0	102
146	Source and climatic implication of the reactive iron and reactive silicate concentration found in a core from Meserve Glacier, Antarctica. Geophysical Research Letters, 1982, 9, 190-192.	1.5	20
147	Retention of riverine iron in estuaries. Geochimica Et Cosmochimica Acta, 1982, 46, 1003-1009.	1.6	43

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148	Aggregation of colloidal iron during estuarine mixing: Kinetics, mechanism, and seasonality. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 2527-2535.	1.6	96
149	Estimation of the Saturation of Serum Transferrin by an Electrophoretic Technique. <i>Annals of Clinical Biochemistry</i> , 1982, 19, 57-59.	0.8	7
150	Photochemical reduction of iron. I. light reactions. <i>Journal of Plant Nutrition</i> , 1982, 5, 323-333.	0.9	21
151	Trace metal solubility in an anoxic fjord. <i>Earth and Planetary Science Letters</i> , 1982, 60, 237-252.	1.8	157
152	Spectrophotometric determination of gold and silver with 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine-pâ€²-disulphonic acid, monosodium salt monohydrate. <i>Journal of the Less Common Metals</i> , 1982, 84, 119-124.	0.9	1
153	The chemistry of suspended matter in Esthwaite Water, a biologically productive lake with seasonally anoxic hypolimnion. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 393-410.	1.6	116
154	Forms of iron in the oxygenated waters of Esthwaite Water, U.K.. <i>Hydrobiologia</i> , 1982, 91-92, 383-393.	1.0	24
155	Drug Interferences with Clinical Laboratory Tests. <i>Drugs</i> , 1982, 24, 24-63.	4.9	30
156	Volumetric determination of uranium in a mixture of uranium and plutonium employing Fe(III) as titrant. <i>Fresenius Zeitschrift FÃ¼r Analytische Chemie</i> , 1982, 312, 611-612.	0.7	1
157	Forms of iron in the oxygenated waters of Esthwaite Water, U.K.. <i>Hydrobiologia</i> , 1982, 91-92, 383-393.	1.0	3
158	Tissue ascorbic acid analysis using ferrozine compared with the dinitrophenylhydrazine method. <i>Analytical Biochemistry</i> , 1982, 119, 55-61.	1.1	59
159	Effect of metal chelators and antiinflammatory drugs on the degradation of hyaluronic acid. <i>Arthritis and Rheumatism</i> , 1982, 25, 1469-1476.	6.7	64
160	A fully automated method for determining total serum iron and unsaturated iron-binding capacity using a Technicon AA-II AutoAnalyser system. <i>Clinical Biochemistry</i> , 1982, 15, 101-105.	0.8	1
161	Microbial activity and bioturbation-induced oscillations in pore water chemistry of estuarine sediments in spring. <i>Nature</i> , 1982, 299, 433-435.	13.7	50
162	QUALITATIVE AND QUANTITATIVE OBSERVATIONS ON AQUATIC ALGAL COMMUNITIES AND RECOLONIZATION WITHIN THE BLAST ZONE OF MT. ST. HELENS, 1980 AND 1981. <i>Journal of Phycology</i> , 1983, 19, 238-247.	1.0	18
163	Differences in reaction characteristics between human and bovine-based control materials for iron determination. <i>Clinical Biochemistry</i> , 1983, 16, 287-290.	0.8	2
164	Iron in Eutrophic Clear Lake, California: Its Importance for Algal Nitrogen Fixation and Growth. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1983, 40, 1419-1429.	0.7	88
165	Effects of heat processing diet mixtures on bioavailability of iron. <i>Nutrition Research</i> , 1983, 3, 351-359.	1.3	8

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166	Trace metal concentrations and fluxes in Bermuda sediments. <i>Marine Pollution Bulletin</i> , 1983, 14, 65-68.	2.3	23
167	Sediment oxygen demand fractionation, kinetics and reduced chemical substances. <i>Water Research</i> , 1983, 17, 1081-1093.	5.3	23
168	Brackish-water aquaculture in pyrite-bearing tropical soils. <i>Aquaculture</i> , 1983, 34, 333-350.	1.7	33
169	Kinetics of removal of iron colloids from estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 1983, 47, 211-216.	1.6	56
170	The present day formation of apatite in Mexican continental margin sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1983, 47, 259-266.	1.6	150
171	Chemical composition of a high altitude fresh snowfall in the Ladakh Himalayas. <i>Geophysical Research Letters</i> , 1983, 10, 105-108.	1.5	74
172	The coagulation of dissolved ²³⁹ U and ²⁴⁰ Pu in estuaries as determined from a mixing experiment. <i>Earth and Planetary Science Letters</i> , 1983, 64, 437-444.	1.8	18
173	Trace metal remobilization in the interstitial waters of red clay and hemipelagic marine sediments. <i>Earth and Planetary Science Letters</i> , 1983, 64, 213-230.	1.8	161
174	Erythrocyte ferritin content in idiopathic haemochromatosis and alcoholic liver disease with iron overload. <i>BMJ: British Medical Journal</i> , 1983, 286, 752-754.	2.4	13
175	Sequential Changes in Erythrocyte Volume Distribution and Microcytosis Associated with Iron Deficiency in Kittens. <i>Veterinary Pathology</i> , 1983, 20, 1-12.	0.8	33
176	Erythrocyte Volume Distribution Analysis and Hematologic Changes in Dogs with Iron Deficiency Anemia. <i>Veterinary Pathology</i> , 1983, 20, 230-241.	0.8	41
177	Bioavailability of Egg Yolk Iron Measured by Hemoglobin Regeneration in Anemic Rats. <i>Journal of Nutrition</i> , 1983, 113, 115-123.	1.3	13
178	Automated Determination of Crude Protein, Phosphorus, Calcium, Iron, and Magnesium in Feeds by Using Stopped-Flow Analyzer. <i>Journal of the Association of Official Analytical Chemists</i> , 1983, 66, 188-196.	0.2	1
179	Bioavailability of Iron in Cooked Egg Yolk for Maintenance of Hemoglobin Levels in Growing Rats. <i>Journal of Nutrition</i> , 1983, 113, 1169-1175.	1.3	13
180	Interpretation of the Chemical and Physical Time-Series Retrieved from Sentik Glacier, Ladakh Himalaya, India. <i>Journal of Glaciology</i> , 1984, 30, 66-76.	1.1	66
181	Interpretation of the Chemical and Physical Time-Series Retrieved from Sentik Glacier, Ladakh Himalaya, India. <i>Journal of Glaciology</i> , 1984, 30, 66-76.	1.1	37
182	Littoral phytoplankton productivity and biomass as indicators of differential nutrient loading of Lake Tahoe. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1984, 22, 605-611.	0.1	0
183	ANALYSIS OF ASCORBIC ACID AND RELATED COMPOUNDS IN FLUIDS AND TISSUES. , 1984, , 113-138.		3

#	ARTICLE	IF	CITATIONS
184	Normal reference-intervals for 20 biochemical variables in healthy infants, children, and adolescents.. <i>Clinical Chemistry</i> , 1984, 30, 407-412.	1.5	59
185	The Use of Deferoxamine in the Management of Aluminum Accumulation in Bone in Patients with Renal Failure. <i>New England Journal of Medicine</i> , 1984, 311, 140-144.	13.9	219
186	Transport of Dissolved Organic Carbon, Nutrients, and Trace Metals from the Wilson and Blossom Rivers to Smeaton Bay, Southeast Alaska. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1984, 41, 180-190.	0.7	39
187	Chelating agent differences in ferrous iron determinations. <i>Journal of Plant Nutrition</i> , 1984, 7, 91-106.	0.9	21
188	Simultaneous spectrophotometric determination of humic acid and iron in water. <i>Analytica Chimica Acta</i> , 1984, 159, 299-308.	2.6	17
189	Serum iron determination using ferene triazine. <i>Clinical Biochemistry</i> , 1984, 17, 306-310.	0.8	38
190	Seasonal metal remobilization in the sediments of Great Bay, New Hampshire. <i>Marine Chemistry</i> , 1984, 15, 173-187.	0.9	59
191	Processes affecting the behavior of dissolved aluminum in estuarine waters. <i>Marine Chemistry</i> , 1984, 14, 213-232.	0.9	69
192	Hydroxyl free radical reactions with amino acids and proteins studied by electron spin resonance spectroscopy and spin-trapping. <i>BBA - Proteins and Proteomics</i> , 1984, 790, 238-250.	2.1	120
193	Effects of d-penicillamine on a model of oxygen-derived free radical mediated tissue damage. <i>Agents and Actions</i> , 1984, 14, 283-290.	0.7	24
194	Kinetic and spectroscopic intimations of intermediates in nucleophilic attack at diimine complexes of iron(II) and of molybdenum(O). <i>Transition Metal Chemistry</i> , 1984, 9, 163-173.	0.7	21
196	Behaviour of iron, manganese, phosphate and humic acid during mixing in a Delaware salt marsh creek. <i>Estuarine, Coastal and Shelf Science</i> , 1984, 18, 447-458.	0.9	20
197	Behavior of organically-bound iron in seawater of estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 1984, 18, 615-622.	0.9	27
198	Kinetics of the complexation of iron(II) with ferrozine. <i>Analytical Chemistry</i> , 1984, 56, 755-757.	3.2	75
199	Retrohydroxamate ferrichrome, a biomimetic analogue of ferrichrome. <i>Biochemical and Biophysical Research Communications</i> , 1984, 119, 1191-1197.	1.0	32
200	Electron spin resonance spectroscopic demonstration of the hydroxyl free radical scavenger properties of dimethylaminoethanol in spin trapping experiments confirming the molecular basis for the biological effects of centrophenoxine. <i>Archives of Gerontology and Geriatrics</i> , 1984, 3, 297-310.	1.4	43
201	Iron and hydrogen sulfide interference in the analysis of soluble reactive phosphorus in anoxic waters. <i>Water Research</i> , 1984, 18, 369-377.	5.3	38
202	Observations on the use of iron(II) complexing agents to fractionate the total filterable iron in natural water samples. <i>Water Research</i> , 1984, 18, 397-402.	5.3	25

#	ARTICLE	IF	CITATIONS
203	The relationship between dissolved humic acids and soluble iron in estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 1984, 48, 879-884.	1.6	28
204	Sampling and analysing mixtures of sulphate, sulphite, thiosulphate and polythionate. <i>Talanta</i> , 1984, 31, 331-339.	2.9	62
205	A Microcomputer-Based Data Acquisition System for Stopped-Flow Mixing and Studies with Other Types of Sample-Processing Systems. <i>Instrumentation Science and Technology</i> , 1984, 13, 89-96.	0.9	3
206	Organic matter diagenesis in freshwater sediments: The alkalinity and total CO ₂ balance and methane production in the sediments of Lake Washington ^{1,2} . <i>Limnology and Oceanography</i> , 1984, 29, 1218-1230.	1.6	58
207	Spectrophotometric determination of iron(II) by extraction of its ion-associated complex with 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine and tetraphenylborate anion into molten naphthalene.. <i>Analytical Sciences</i> , 1985, 1, 359-362.	0.8	2
208	EFFECT OF PROSTAGLANDIN E ₂ ON SERUM IRON AFTER ACUTE AND CHRONIC BLOOD LOSS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1985, 12, 443-446.	0.9	5
209	Nutrient limitation of algal growth and nitrogen fixation in a tropical alpine lake, Lake Titicaca (Peru/Bolivia). <i>Freshwater Biology</i> , 1985, 15, 185-195.	1.2	67
212	A comparison of nutrients in the interstitial water of reducing (Tamar estuary) and oxic (Carmarthen) Tj ETQq1 1 0.784314 rgBT /Over	1.0	5
213	The effects of a gas well blow out on groundwater chemistry. <i>Environmental Geology (New York)</i> , 1985, 7, 205-213.	0.3	48
214	The Glaciochemistry of Snow-Pits from Quelccaya Ice Cap, Peru, 1982. <i>Annals of Glaciology</i> , 1985, 7, 84-88.	2.8	4
215	Serum iron as determined in the automated DACOS random access analyzer.. <i>Clinical Chemistry</i> , 1985, 31, 159-160.	1.5	1
216	Reduced Hemoglobin Concentration and Red Cell Hemoglobinization in Italian Marathon and Ultramarathon Runners. <i>International Journal of Sports Medicine</i> , 1985, 06, 176-179.	0.8	32
217	Spatial and seasonal variations in the chemistry of sediment interstitial waters in the Tamar Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1985, 21, 105-119.	0.9	32
218	Microbial biogeochemistry and bioturbation in the sediments of Great Bay, New Hampshire. <i>Estuarine, Coastal and Shelf Science</i> , 1985, 20, 729-742.	0.9	68
219	Indirect spectrophotometric determination of silicate. <i>Talanta</i> , 1985, 32, 993-995.	2.9	0
220	Biogenic hydrocarbon gases and sulfate reduction in the Orca Basin brine. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 2069-2080.	1.6	52
221	Partitioning and transport of metals across the interface in a permanently anoxic basin: Framvaren Fjord, Norway. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 1433-1444.	1.6	273
222	Chemical forms of iron in the Connecticut River estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1985, 21, 449-459.	0.9	21

#	ARTICLE	IF	CITATIONS
223	A modified ferrozine method for the measurement of enzyme-bound iron. <i>Journal of Proteomics</i> , 1986, 13, 39-45.	2.4	20
224	Evidence for localized enhancement of biological associated with tube and burrow structures in deep-sea sediments at the HEEBLE site, western North Atlantic. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1986, 33, 755-790.	1.6	231
225	Exchange of iron by gallium in siderophores. <i>Biochemistry</i> , 1986, 25, 4629-4633.	1.2	63
226	Diagenesis of Fe and S in Amazon inner shelf muds: apparent dominance of Fe reduction and implications for the genesis of ironstones. <i>Continental Shelf Research</i> , 1986, 6, 263-289.	0.9	297
227	Arsenic distributions in porewaters and sediments of Puget Sound, Lake Washington, the Washington coast and Saanich Inlet, B.C.. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 353-369.	1.6	137
228	[35] Spectrophotometric determination of iron in heme proteins. <i>Methods in Enzymology</i> , 1986, 123, 320-323.	0.4	7
229	Effects of Combined Riboflavin and Iron Deficiency on the Hematological Status and Tissue Iron Concentrations of the Rat. <i>Journal of Nutrition</i> , 1986, 116, 1257-1265.	1.3	20
230	Iron respiration-driven proton translocation in aerobic bacteria. <i>Journal of Bacteriology</i> , 1986, 167, 729-731.	1.0	61
231	Hydroxamate production by <i>Aquaspirillum magnetotacticum</i> . <i>Journal of Bacteriology</i> , 1986, 167, 73-76.	1.0	76
232	Serum Constituents of <i>Suncus murinus</i> . <i>Experimental Animals</i> , 1986, 35, 77-85.	0.7	5
233	Ferrous iron transport in <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 1986, 168, 1096-1099.	1.0	67
234	Redox state of iron in the offshore waters of Peru1. <i>Limnology and Oceanography</i> , 1986, 31, 512-524.	1.6	134
235	Trace metal transport in two tributaries of the Upper Chesapeake Bay: the Susquehanna and Bush Rivers. <i>Marine Chemistry</i> , 1986, 20, 29-44.	0.9	8
236	Photoassisted dissolution of colloidal iron oxides by thiol-containing compounds. <i>Journal of Colloid and Interface Science</i> , 1986, 112, 412-420.	5.0	30
237	In situ nutrient assays of periphyton growth in a lowland Costa Rican stream. <i>Hydrobiologia</i> , 1986, 134, 207-213.	1.0	86
238	Amplification-spectrophotometric determination of arsenic. <i>Mikrochimica Acta</i> , 1986, 88, 429-434.	2.5	4
239	Haematological findings in chronic alcoholics after heavy drinking with special reference to haemolysis. <i>European Journal of Clinical Investigation</i> , 1986, 16, 178-183.	1.7	12
241	Effect of iron concentration on toxin production in <i>Campylobacter jejuni</i> and <i>Campylobacter coli</i> . <i>Canadian Journal of Microbiology</i> , 1986, 32, 395-401.	0.8	26

#	ARTICLE	IF	CITATIONS
242	Enhanced toxicity of copper for <i>Streptococcus mutans</i> under anaerobic conditions. <i>Antimicrobial Agents and Chemotherapy</i> , 1986, 29, 342-343.	1.4	12
243	Organic carbon oxidation and preservation in NW Atlantic continental margin sediments. <i>Geological Society Special Publication</i> , 1987, 31, 215-236.	0.8	31
244	Microbial oxidation of manganese in a North Carolina estuary. <i>Limnology and Oceanography</i> , 1987, 32, 552-564.	1.6	117
245	Isolation by streptonigrin enrichment and characterization of a transferrin-specific iron uptake mutant of <i>Neisseria meningitidis</i> . <i>Microbial Pathogenesis</i> , 1987, 3, 351-363.	1.3	72
246	Chemical reduction and spectrophotometric determination of silver, copper and nickel. <i>Talanta</i> , 1987, 34, 479-482.	2.9	10
247	Cadmium diagenesis in Laurentian Trough sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 589-596.	1.6	143
248	The oxidation kinetics of Fe(II) in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 793-801.	1.6	627
249	Early diagenesis in sediments from Danish coastal waters: Microbial activity and Mn-Fe-S geochemistry. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 1583-1590.	1.6	160
250	Temporal changes in the sediment geochemistry of two southeast Alaskan fjords. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 913-925.	1.6	8
251	Superoxide ion as a primary reductant in ascorbate-mediated ferritin iron release. <i>Free Radical Biology and Medicine</i> , 1987, 3, 389-395.	1.3	134
252	Reduction of iron(III) by <i>Escherichia coli</i> K12: Lack of involvement of the respiratory chains. <i>Current Microbiology</i> , 1987, 15, 319-324.	1.0	21
253	Kinetics of reaction of tris[5,5' {3-(2-pyridyl)-1,2,4, triazine-5,6 diyl} bis-2-furansulphonic acid]iron(II) with hydroxide ion. <i>Transition Metal Chemistry</i> , 1987, 12, 460-463.	0.7	6
254	Reduction and Release of Ferritin Iron By Plant Phenolics. <i>Journal of Inorganic Biochemistry</i> , 1988, 32, 171-181.	1.5	104
255	Reductive release of ferritin iron: A kinetic assay. <i>Analytical Biochemistry</i> , 1988, 174, 17-22.	1.1	57
256	Soil solution chemistry in lodgepole pine (<i>Pinus contorta</i> ssp. <i>latifolia</i>) ecosystems, southeastern Wyoming, USA. <i>Biogeochemistry</i> , 1988, 6, 91.	1.7	35
257	Heating and the Distribution of Total and Heme Iron Between Meat and Broth. <i>Journal of Food Science</i> , 1988, 53, 43-45.	1.5	36
258	Iron-regulated outer membrane proteins and non-siderophore-mediated iron acquisition by <i>Paracoccus denitrificans</i> . <i>FEMS Microbiology Letters</i> , 1988, 51, 33-36.	0.7	8
259	The solution chemistry of iron(II) in Framvaren Fjord. <i>Marine Chemistry</i> , 1988, 23, 329-343.	0.9	84

#	ARTICLE	IF	CITATIONS
260	Early diagenesis of organic matter in Peru continental margin sediments: Phosphorite precipitation. <i>Marine Geology</i> , 1988, 80, 309-343.	0.9	304
261	Microsomal reduction of low-molecular-weight Fe ³⁺ chelates and ferritin: Enhancement by adriamycin, paraquat, menadione, and anthraquinone 2-sulfonate and inhibition by oxygen. <i>Archives of Biochemistry and Biophysics</i> , 1988, 267, 606-613.	1.4	38
262	Adriamycin-dependent peroxidation of rat liver and heart microsomes catalysed by iron chelates and ferritin. <i>Biochemical Pharmacology</i> , 1988, 37, 2893-2897.	2.0	34
263	Cycling of dissolved rare earth elements in Chesapeake Bay. <i>Global Biogeochemical Cycles</i> , 1988, 2, 157-176.	1.9	119
264	Methane production and oxidation in lakes impacted by the May 18, 1980 Eruption of Mount St. Helens. <i>Global Biogeochemical Cycles</i> , 1988, 2, 357-370.	1.9	8
265	Microbial reduction of manganese oxides: Interactions with iron and sulfur. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 2727-2732.	1.6	260
266	Active diagenetic formation of metal-rich layers in N. E. Atlantic sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 1557-1569.	1.6	75
267	Colloid stability and aggregation in estuaries: 1. Aggregation kinetics of riverine dissolved iron after mixing with seawater. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 1123-1130.	1.6	43
268	Complete oxidation of solid phase sulfides by manganese and bacteria in anoxic marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 751-765.	1.6	355
269	Ion-chromatographic analysis of mixtures of ferrous and ferric iron. <i>Talanta</i> , 1988, 35, 15-22.	2.9	45
270	[27] Rapid colorimetric micromethod for the quantitation of complexed iron in biological samples. <i>Methods in Enzymology</i> , 1988, 158, 357-364.	0.4	531
271	Distribution of reduced inorganic sulfur compounds in lake sediments receiving acid mine drainage. <i>Applied Geochemistry</i> , 1988, 3, 333-344.	1.4	23
272	A time series of vent fluid compositions from 21°N, East Pacific Rise (1979, 1981, 1985), and the Guaymas Basin, Gulf of California (1982, 1985). <i>Journal of Geophysical Research</i> , 1988, 93, 4537-4549.	3.3	180
273	Rhizosphere physiology of crested wheatgrass and legume seedlings: Root-shoot carbohydrate interactions. <i>Journal of Plant Nutrition</i> , 1988, 11, 1099-1116.	0.9	5
274	Manganese inhibition of microbial iron reduction in anaerobic sediments. <i>Geomicrobiology Journal</i> , 1988, 6, 145-155.	1.0	157
275	Nitrogen Cycling in Altered and Newly Created Lakes Near the Mount St. Helens Volcano. <i>Journal of Freshwater Ecology</i> , 1988, 4, 551-568.	0.5	5
277	Automated Determination of Serum (Plasma) and Urine Iron: A Comparative Investigation of Chromogens. Improved Tripyridyltriazine Micromethod. <i>Clinical Chemistry and Laboratory Medicine</i> , 1988, 26, 697-703.	1.4	1
278	The effect of pH on iron and manganese uptake by a green alga. <i>Limnology and Oceanography</i> , 1988, 33, 538-550.	1.6	28

#	ARTICLE	IF	CITATIONS
279	The superoxide-dependent transfer of iron from ferritin to transferrin and lactoferrin. <i>Biochemical Journal</i> , 1988, 256, 923-928.	1.7	58
280	Characterization of the bacterial magnetosome membrane. <i>Journal of Bacteriology</i> , 1988, 170, 834-841.	1.0	423
281	Seston Sedimentation in a Tropical Reservoir. <i>Lake and Reservoir Management</i> , 1988, 4, 221-230.	0.4	1
282	The distribution of submerged macrophytes in Lake Tahoe, California and Nevada, and the possible influence of groundwater seepage. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1988, 23, 1927-1933.	0.1	5
283	Iron chelation as a possible mechanism for aspirin-induced malondialdehyde production by mouse liver microsomes and mitochondria.. <i>Journal of Clinical Investigation</i> , 1988, 81, 165-170.	3.9	19
284	Effects of altered dietary iron intake in <i>Mycobacterium paratuberculosis</i> -infected dairy cattle: sequential observations on growth, iron and copper metabolism and development of paratuberculosis. <i>Research in Veterinary Science</i> , 1989, 46, 289-296.	0.9	14
285	Antagonism of Foodborne Bacteria by <i>Pseudomonas</i> spp.: A Possible Role for Iron. <i>Journal of Food Protection</i> , 1989, 52, 484-490.	0.8	32
286	<i>Aspergillus parasiticus</i> Accumulates Averufin and Versicolorin A in the Presence of Bicarbonate. <i>Journal of Food Protection</i> , 1989, 52, 493-495.	0.8	6
287	Influence of Iron-limited and Replete Continuous Culture on the Physiology and Virulence of <i>Neisseria gonorrhoeae</i> . <i>Microbiology (United Kingdom)</i> , 1989, 135, 851-863.	0.7	13
288	Solubilization of ferrihydrite iron by plant phenolics: A model for rhizosphere processes. <i>Journal of Plant Nutrition</i> , 1989, 12, 581-592.	0.9	23
289	Early diagenesis and sediment-water exchange in the Savu Basin (Eastern Indonesia). <i>Journal of Sea Research</i> , 1989, 24, 555-572.	1.0	18
290	Gastric luminal digestion of lactoferrin and transferrin by preterm infants. <i>Early Human Development</i> , 1989, 19, 127-135.	0.8	44
291	Release of iron from ferritin by semiquinone, anthracycline, bipyridyl, and nitroaromatic radicals. <i>Free Radical Biology and Medicine</i> , 1989, 6, 587-591.	1.3	57
292	In vitro studies of iron bioavailability. <i>Biological Trace Element Research</i> , 1989, 19, 25-40.	1.9	10
293	Effect of ferric nitrilotriacetate on predominantly cortical neuronal cell cultures. <i>Neurochemical Research</i> , 1989, 14, 683-688.	1.6	8
294	Periplasmic superoxide dismutases in <i>Aquaspirillum magnetotacticum</i> . <i>Archives of Microbiology</i> , 1989, 152, 342-346.	1.0	18
295	Nutrient release rates from the sediments of Saginaw Bay, Lake Huron. <i>Hydrobiologia</i> , 1989, 171, 127-140.	1.0	19
296	Determination of the Fe ²⁺ /Fe ³⁺ Ratio in Nuclear Waste Glasses. <i>Journal of the American Ceramic Society</i> , 1989, 72, 943-947.	1.9	13

#	ARTICLE	IF	CITATIONS
297	Some Applications of Uv and Vis Spectrophotometry. <i>Studies in Analytical Chemistry</i> , 1989, 8, 260-303.	0.0	0
298	Germanium geochemistry in the Southern California Borderlands. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2873-2882.	1.6	27
299	The oxidation of Fe(II) with H ₂ O ₂ in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1867-1873.	1.6	247
300	A model for inorganic control of phosphate concentrations in river waters. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 417-428.	1.6	115
301	Spectrophotometric and derivative spectrophotometric determination of iron by extraction of the iron(II)-TPYZ-picric acid ion-association complex. <i>Talanta</i> , 1989, 36, 1069-1074.	2.9	15
302	Mixed reagents in multicomponent flow-injection analysis Simultaneous determination of iron and copper in blood serum with mixed bathocuproinedisulphonate and bathophenanthrolinedisulphonate or ferrozine. <i>Talanta</i> , 1989, 36, 463-467.	2.9	10
303	Studies of ascorbate-dependent, iron-catalyzed lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , 1989, 271, 113-119.	1.4	250
304	Release of iron from ferritin by divicine, isouramil, acid-hydrolyzed vicine, and dialuric acid and initiation of lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , 1989, 271, 536-545.	1.4	29
305	6-Hydroxydopamine releases iron from ferritin and promotes ferritin-dependent lipid peroxidation. <i>Biochemical Pharmacology</i> , 1989, 38, 4177-4182.	2.0	116
306	Hydroxylation of salicylate by activated neutrophils. <i>Biochemical Pharmacology</i> , 1989, 38, 4013-4019.	2.0	40
307	Reactive iron in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 619-632.	1.6	907
308	Effect of Iron Fortification on Quality of Cheddar Cheese. <i>Journal of Dairy Science</i> , 1989, 72, 322-332.	1.4	33
309	A Systematic Evaluation of Bathophenanthroline, Ferrozine and Ferene in an ICSH-Based Method for the Measurement of Serum Iron. <i>Annals of Clinical Biochemistry</i> , 1989, 26, 144-147.	0.8	21
310	An Iron Chelator is not Required for Reductive Iron Release from Ferritin by Radical Generating Systems. <i>Free Radical Research Communications</i> , 1989, 7, 33-35.	1.8	9
311	Sulfate reduction and other sedimentary biogeochemistry in a northern New England salt marsh. <i>Limnology and Oceanography</i> , 1989, 34, 578-590.	1.6	184
312	Behavior of nutrients and heavy metals in a high productive estuary.. <i>Nippon Suisan Gakkaishi</i> , 1989, 55, 957-962.	0.0	2
313	Indirect spectrophotometric determination of trace amounts of silicon in pure iron using iron(II)-ferrozine complex.. <i>Bunseki Kagaku</i> , 1989, 38, 373-377.	0.1	1
314	ARTIFICIAL REARING OF COLOSTRUM-DEPRIVED PIGLETS USING IRON CHELATORS: THE EFFECTS OF ORAL ADMINISTRATION OF EDDHA WITH AND WITHOUT BOVINE OR PORCINE IMMUNOGLOBULINS ON PIGLET PERFORMANCE AND IRON METABOLISM. <i>Canadian Journal of Animal Science</i> , 1990, 70, 655-666.	0.7	2

#	ARTICLE	IF	CITATIONS
315	Seasonal spillover and varve formation in the Santa Barbara Basin, California. <i>Limnology and Oceanography</i> , 1990, 35, 1577-1585.	1.6	104
316	The sulfur cycle of freshwater sediments: Role of thiosulfate. <i>Limnology and Oceanography</i> , 1990, 35, 1329-1342.	1.6	133
317	Release of Iron from Ferritin by 6-Hydroxydopamine Under Aerobic and Anaerobic Conditions. <i>Free Radical Research Communications</i> , 1990, 11, 153-158.	1.8	17
318	Clinical Utility of Serum Tests for Iron Deficiency in Hospitalized Patients. <i>American Journal of Clinical Pathology</i> , 1990, 93, 240-245.	0.4	90
319	Citrate as a siderophore in <i>Bradyrhizobium japonicum</i> . <i>Journal of Bacteriology</i> , 1990, 172, 3298-3303.	1.0	168
320	Spectrophotometric Determination of Iron(II) with 2-Diethylamino-4-hydroxy-5-nitroso-6-aminopyrimidine. <i>Analytical Sciences</i> , 1990, 6, 701-704.	0.8	4
321	Organic carbon cycling and modern phosphorite formation on the East Australian continental margin: an overview. <i>Geological Society Special Publication</i> , 1990, 52, 87-117.	0.8	53
322	Evidence for redox cycling of iron in atmospheric water droplets. <i>Nature</i> , 1990, 344, 419-421.	13.7	202
323	Revised recommendations for the measurements of the serum iron in human blood. <i>British Journal of Haematology</i> , 1990, 75, 615-616.	1.2	73
324	Biogeochemistry of iron in an acidic lake. <i>Aquatic Sciences</i> , 1990, 52, 56-74.	0.6	39
325	Effect of ferric nitrilotriacetate on predominately cortical glial cell cultures. <i>Neurochemical Research</i> , 1990, 15, 501-505.	1.6	5
326	?-Thalassaemia/haemoglobin E tissue ferritins. <i>Biology of Metals</i> , 1990, 3, 222-226.	1.1	6
327	Soluble and membrane-bound ferrisiderophore reductases of <i>Escherichia coli</i> K-12. <i>Archives of Microbiology</i> , 1990, 153, 329-336.	1.0	41
328	Intercellular structure in a many-celled magnetotactic prokaryote. <i>Archives of Microbiology</i> , 1990, 154, 18.	1.0	84
329	A quantitative method for determination of trace metal concentrations in sedimentary pyrite. <i>Marine Chemistry</i> , 1990, 29, 119-144.	0.9	329
330	A sediment history of sellafiel discharges. <i>Journal of Environmental Radioactivity</i> , 1990, 12, 201-241.	0.9	75
331	Plant phenolics as reductants for ferritin iron release. <i>Phytochemistry</i> , 1990, 29, 3717-3719.	1.4	12
333	Genetic evidence that <i>Neisseria gonorrhoeae</i> produces specific receptors for transferrin and lactoferrin. <i>Journal of Bacteriology</i> , 1990, 172, 5225-5235.	1.0	121

#	ARTICLE	IF	CITATIONS
334	Blood anti-oxidant parameters at different stages of pneumoconiosis in coal workers.. Environmental Health Perspectives, 1990, 84, 165-172.	2.8	38
335	Release of iron from phagocytosed Escherichia coli and uptake by neutrophil lactoferrin. Blood, 1990, 75, 984-989.	0.6	19
336	Free Amino Acids, Copper, Iron and Zinc Composition in Sera of Patients with Thyrometabolic Diseases. Hormone and Metabolic Research, 1990, 22, 117-120.	0.7	3
337	Iron status in runners of various running specialities. Archives Internationales De Physiologie Et De Biochimie, 1990, 98, 103-109.	0.2	6
338	Availability of wellâ€defined iron colloids to the marine diatom <i>Thalassiosira weissflogii</i>. Limnology and Oceanography, 1990, 35, 652-662.	1.6	207
339	Usefulness of Biochemical Screening of Diabetic Patients for Hemochromatosis. Diabetes Care, 1990, 13, 532-534.	4.3	47
340	Purification and characterization of clavamate synthase from Streptomyces clavuligerus: an unusual oxidative enzyme in natural product biosynthesis. Biochemistry, 1990, 29, 6499-6508.	1.2	134
341	Chronic anaemia in an Irish gastroenterology unit: one hundred consecutive cases. Biomedicine and Pharmacotherapy, 1990, 44, 235-238.	2.5	0
342	Role of ferritin as a lipid oxidation catalyst in muscle food. Journal of Agricultural and Food Chemistry, 1990, 38, 674-677.	2.4	954
343	Iron and manganese geochemistry and the distribution of ^{239,240} Pu and ²⁴¹ Am in the sediments of the north east Irish sea. Science of the Total Environment, 1990, 95, 69-87.	3.9	8
344	Spectrophotometric determination of iron and cobalt with Ferrozine and dithizone. Talanta, 1990, 37, 1189-1191.	2.9	51
345	Kinetics of nitrate reduction by detrital Fe(II)-silicates. Geochimica Et Cosmochimica Acta, 1990, 54, 903-908.	1.6	95
346	The rare earth elements in rivers, estuaries, and coastal seas and their significance to the composition of ocean waters. Geochimica Et Cosmochimica Acta, 1990, 54, 971-991.	1.6	909
347	Geochemistry of dissolved phosphate in the Sepik River and Estuary, Papua, New Guinea. Geochimica Et Cosmochimica Acta, 1990, 54, 1019-1024.	1.6	36
348	Determination of iron(III)-iron(II) mixtures by differential-pulse polarography in solutions containing ammonium tartrate and a good buffer. Analyst, The, 1990, 115, 1067.	1.7	8
349	Metal and nutrient behavior in the Raritan estuary, New Jersey, U.S.A.: The effect of multiple freshwater and industrial waste inputs. Chemical Geology, 1990, 81, 133-149.	1.4	5
350	Desferrioxamine as a lipid chain-breaking antioxidant in sickle erythrocyte membranes. FEBS Letters, 1990, 264, 145-148.	1.3	55
351	Iron mobilization from asbestos by chelators and ascorbic acid. Archives of Biochemistry and Biophysics, 1990, 278, 60-64.	1.4	91

#	ARTICLE	IF	CITATIONS
352	Nitric oxide mediates iron release from ferritin. Archives of Biochemistry and Biophysics, 1990, 283, 537-541.	1.4	287
353	Diagenesis in anoxic sediments from the California continental borderland and its influence on iron, sulfur, and magnetite behavior. Journal of Geophysical Research, 1990, 95, 4453-4470.	3.3	124
354	Early diagenesis in differing depositional environments: The response of transition metals in pore water. Geochimica Et Cosmochimica Acta, 1990, 54, 1233-1246.	1.6	594
355	Overproduction, purification, and characterization of chlorocatechol dioxygenase, a non-heme iron dioxygenase with broad substrate tolerance. Biochemistry, 1991, 30, 7349-7358.	1.2	90
356	Sedimentology and carbon-sulphur geochemistry of the Velkerri Formation, a mid-Proterozoic potential oil source in northern Australia. Precambrian Research, 1991, 54, 81-108.	1.2	36
357	Determination of subnanomolar levels of iron(II) and total dissolved iron in seawater by flow injection and analysis with chemiluminescence detection. Analytical Chemistry, 1991, 63, 893-898.	3.2	187
358	Diferric transferrin reduction by K562 cells. A critical study. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 562-570.	1.1	21
359	Tetravalent Vanadium Releases Ferritin Iron which Stimulates Vanadium-Dependent Lipid Peroxidation. Free Radical Research Communications, 1991, 12, 125-129.	1.8	18
360	Effects of solar radiation on manganese oxide reactions with selected organic compounds. Environmental Science & Technology, 1991, 25, 1267-1273.	4.6	36
361	Role of phosphate in initial iron deposition in apoferritin. Biochemistry, 1991, 30, 2947-2953.	1.2	53
362	Photolysis of copper(II)-amino acid complexes in water. Environmental Science & Technology, 1991, 25, 1273-1279.	4.6	35
363	Inositol and inositol 1,4,5-trisphosphate content of Down syndrome fibroblasts exhibiting enhanced inositol uptake. FEBS Letters, 1991, 295, 43-47.	1.3	12
364	The oxidation of H ₂ S in the Chesapeake Bay. Estuarine, Coastal and Shelf Science, 1991, 33, 521-527.	0.9	36
365	Nitrate Reduction in an Unconfined Sandy Aquifer: Water Chemistry, Reduction Processes, and Geochemical Modeling. Water Resources Research, 1991, 27, 2027-2045.	1.7	491
366	Phosphorus chemistry in the tidal Hudson River. Geochimica Et Cosmochimica Acta, 1991, 55, 1529-1538.	1.6	32
367	Hydrochemistry on the Yilgarn block, western Australia: Ferrolysis and mineralisation in acidic brines. Geochimica Et Cosmochimica Acta, 1991, 55, 1273-1288.	1.6	71
368	Stimulation by lepidocrocite (7-FeOOH) of Fe(II)-dependent nitrite reduction. Geochimica Et Cosmochimica Acta, 1991, 55, 1289-1294.	1.6	134
369	Natural levels of lead and cadmium in a remote mountain stream. Geochimica Et Cosmochimica Acta, 1991, 55, 707-719.	1.6	88

#	ARTICLE	IF	CITATIONS
370	Fluorine mobility during early diagenesis of carbonate sediment: An indicator of mineral transformations. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 2491-2509.	1.6	92
371	The Role of Certain Infauna and Vascular Plants in the Mediation of Redox Reactions in Marine Sediments. <i>Developments in Geochemistry</i> , 1991, 6, 275-286.	0.1	21
372	Isolation and identification of manganese-reducing bacteria and estimates of microbial Mn(IV)-reducing potential in the Black Sea. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991, 38, S907-S920.	1.6	106
373	Iron Fortification of Process Cheddar Cheese. <i>Journal of Dairy Science</i> , 1991, 74, 353-358.	1.4	32
374	Anaerobic carbon cycling in stream ecosystems. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1991, 24, 1600-1604.	0.1	17
375	Bioavailability of Iron from a Ferric Complex of 3-Epi-hydroxymugineic Acid in Rats.. <i>Agricultural and Biological Chemistry</i> , 1991, 55, 2321-2326.	0.3	0
376	Roles of porphyrins and host iron transport proteins in regulation of growth of <i>Porphyromonas gingivalis</i> W50. <i>Journal of Bacteriology</i> , 1991, 173, 7330-7339.	1.0	135
377	The role of seasonal turnover in lake alkalinity dynamics. <i>Limnology and Oceanography</i> , 1991, 36, 106-122.	1.6	21
378	Measurement of Fe(II) in surface water of the equatorial Pacific. <i>Limnology and Oceanography</i> , 1991, 36, 1727-1741.	1.6	78
379	The speciation of iron, manganese, phosphorus and platinum in aqueous solutions by using ion chromatography coupled with an element selective detector. <i>Journal of Chromatography A</i> , 1991, 547, 211-223.	1.8	13
380	In situ chemical mapping of dissolved iron and manganese in hydrothermal plumes. <i>Nature</i> , 1991, 352, 325-328.	13.7	75
381	Spectrophotometric determination of iron(II) in seawater at nanomolar concentrations. <i>Analytica Chimica Acta</i> , 1991, 247, 125-132.	2.6	100
382	Aspects of iron and nitrogen nutrition in the red tide dinoflagellate <i>Gymnodinium sanguineum</i> . <i>Marine Biology</i> , 1991, 110, 165-173.	0.7	46
383	Microbial activity in sandy and muddy estuarine sediments. <i>Geo-Marine Letters</i> , 1991, 11, 194-198.	0.5	13
384	Effect of ionic interactions on the oxidation of Fe(II) with H ₂ O ₂ in aqueous solutions. <i>Journal of Solution Chemistry</i> , 1991, 20, 1079-1092.	0.6	31
385	Effect of ferric nitrilotriacetate on rostral mesencephalic cells. <i>Neurochemical Research</i> , 1991, 16, 1269-1274.	1.6	2
386	Redox conditions and alkalinity generation in a seasonally anoxic lake (Lake Greifen). <i>Marine Chemistry</i> , 1991, 36, 9-26.	0.9	32
387	Photochemical mobilization of ferritin iron. <i>Plant and Soil</i> , 1991, 130, 69-74.	1.8	6

#	ARTICLE	IF	CITATIONS
388	Temporal and spatial variability of reduced sulfur species (FeS ₂ , S ₂ O ₃ ²⁻) and porewater parameters in salt marsh sediments. <i>Biogeochemistry</i> , 1991, 14, 57-88.	1.7	87
389	Serum iron and transferrin in acute neuroleptic induced akathisia.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1991, 54, 363-364.	0.9	25
390	Iron Nutrition and Interactions in Plants. , 1991, , .		11
391	Extraction-Spectrophotometric and Derivative Spectrophotometric Determination of Trace Amounts of Iron as the Ion-Association Iron (II)-3-(4-phenyl-2-pyridinyl)-5-phenyl-1,2,4-triazine picrate Complex. <i>Analytical Letters</i> , 1991, 24, 2263-2276.	1.0	3
392	Relationship between Oral Contraceptives, Iron Status and Psychoaffective Behavior. <i>Journal of Nutritional Medicine</i> , 1991, 2, 273-281.	0.3	2
393	Siderophore production and nitrogenfixation are mutually exclusive strategies in <i>Anabaena</i> 712. <i>Limnology and Oceanography</i> , 1991, 36, 1-12.	1.6	30
394	Phosphate complexation at the surface of goethite. <i>Chemical Speciation and Bioavailability</i> , 1992, 4, 121-130.	2.0	42
395	Iron mobilization from crocidolite asbestos greatly enhances crocidolite-dependent formation of DNA single-strand breaks in λ X174 RFI DNA. <i>Carcinogenesis</i> , 1992, 13, 637-642.	1.3	120
396	Colorimetric measurement of iron in plasma samples anticoagulated with EDTA.. <i>Journal of Clinical Pathology</i> , 1992, 45, 151-154.	1.0	16
397	A Chelator is Required for Microsomal LIPID Peroxidation Following Reductive Ferritin-Iron Mobilisation. <i>Free Radical Research Communications</i> , 1992, 17, 177-185.	1.8	5
398	Iron-induced ascorbate oxidation in plasma as monitored by ascorbate free radical formation. No spin-trapping evidence for the hydroxyl radical in iron-overloaded plasma. <i>Biochemical Journal</i> , 1992, 282, 459-465.	1.7	72
399	Haem binding to horse spleen ferritin and its effect on the rate of iron release. <i>Biochemical Journal</i> , 1992, 282, 867-870.	1.7	26
400	Effects of nitrate and nitrite on dissimilatory iron reduction by <i>Shewanella putrefaciens</i> 200. <i>Journal of Bacteriology</i> , 1992, 174, 1891-1896.	1.0	133
401	Colorimetric determination of iron(II) and iron(III) in glass. <i>Analyst, The</i> , 1992, 117, 913.	1.7	23
402	Pyritization of trace metals in anoxic marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 2681-2702.	1.6	772
403	Low density lipoprotein oxidation by stimulated neutrophils and ferritin. <i>Atherosclerosis</i> , 1992, 97, 149-159.	0.4	65
404	Evaluation of some as-triazines and re-evaluation of PDT and ferrozine as reagents for spectrophotometric determination of ruthenium. <i>Talanta</i> , 1992, 39, 1429-1435.	2.9	8
405	Existence of stable Fe(II) complex in oxic river water and its determination. <i>Water Research</i> , 1992, 26, 1421-1424.	5.3	30

#	ARTICLE	IF	CITATIONS
406	Anoxic transformations of radiolabeled hydrogen sulfide in marine and freshwater sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 2425-2435.	1.6	92
407	The geochemistry of rare earth elements in the seasonally anoxic water column and porewaters of Chesapeake Bay. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 3389-3402.	1.6	162
408	Anaemia and other haematological abnormalities in patients admitted to long-term care. <i>Archives of Gerontology and Geriatrics</i> , 1992, 14, 263-272.	1.4	0
409	<i>Mycobacterium paratuberculosis</i> factors that influence mycobactin dependence. <i>Diagnostic Microbiology and Infectious Disease</i> , 1992, 15, 239-246.	0.8	35
410	High-performance liquid chromatographic method for the determination of ultratrace amounts of iron(II) in aerosols, rainwater, and seawater. <i>Analytical Chemistry</i> , 1992, 64, 2826-2830.	3.2	65
411	Microbial utilization and turnover of organic carbon in Santa Monica Basin sediments. <i>Progress in Oceanography</i> , 1992, 30, 313-333.	1.5	13
412	Hydroxyl radical formation in aqueous reactions (pH 3-8) of iron(II) with hydrogen peroxide: the photo-Fenton reaction. <i>Environmental Science & Technology</i> , 1992, 26, 313-319.	4.6	829
413	Simultaneous spectrophotometric measurement of iron(II) and iron(III) in atmospheric water. <i>Environmental Science & Technology</i> , 1992, 26, 1731-1736.	4.6	89
414	Iron oxidation by casein. <i>Biochemical and Biophysical Research Communications</i> , 1992, 182, 1047-1052.	1.0	33
415	The chelation of nonheme iron within sickle erythrocytes by the hydroxypyridinone chelator CP094. <i>Archives of Biochemistry and Biophysics</i> , 1992, 297, 377-382.	1.4	5
416	Chemical evolution of rare earth elements: fractionation between colloidal and solution phases of filtered river water. <i>Earth and Planetary Science Letters</i> , 1992, 114, 77-84.	1.8	306
417	Carbon-sulfur-iron systematics of the uppermost deep-water sediments of the Black Sea. <i>Chemical Geology</i> , 1992, 99, 1-27.	1.4	181
418	Sedimentary biogeochemistry of an acidic, saline groundwater discharge zone in Lake Tyrrell, Victoria, Australia. <i>Chemical Geology</i> , 1992, 96, 53-65.	1.4	18
419	Formation of alunite, jarosite and hydrous iron oxides in a hypersaline system: Lake Tyrrell, Victoria, Australia. <i>Chemical Geology</i> , 1992, 96, 183-202.	1.4	89
420	Chemical, crystallographic and stable isotopic properties of alunite and jarosite from acidâ€”Hypersaline Australian lakes. <i>Chemical Geology</i> , 1992, 96, 203-226.	1.4	98
421	Long-term effect of low-dose combined steroid contraceptives on body iron status. <i>Contraception</i> , 1992, 46, 243-252.	0.8	8
422	The influence of light and nutrient addition upon the sediment chemistry of iron in an arctic lake. <i>Hydrobiologia</i> , 1992, 240, 91-101.	1.0	11
423	The use of wetlands for nutrient removal from surface runoff in a cold climate region of Californiaâ€”results from a newly constructed wetland at Lake Tahoe. <i>Journal of Environmental Management</i> , 1992, 36, 35-53.	3.8	31

#	ARTICLE	IF	CITATIONS
424	Identification of Ascorbate as an Endogenous Substance That Irreversibly Inhibits Binding of Dihydropyridine Calcium Channel Blockers. <i>Journal of Neurochemistry</i> , 1992, 58, 1300-1307.	2.1	12
425	Preconcentration and removal of iron(III) from aqueous media using micellar-enhanced ultrafiltration. <i>Colloids and Surfaces</i> , 1992, 63, 291-300.	0.9	35
426	Metal removal by wetland mesocosms subjected to different hydroperiods. <i>Ecological Engineering</i> , 1992, 1, 309-322.	1.6	83
427	Episodic preservation of pteropod oozes in the deep Northeast Atlantic Ocean: Climatic change and hydrothermal activity. <i>Marine Geology</i> , 1992, 103, 407-422.	0.9	9
428	The kinetics of Fe(II) complexation by Ferrozine in seawater. <i>Marine Chemistry</i> , 1992, 38, 283-301.	0.9	31
429	Seasonal iron cycling in the salt-marsh sedimentary environment: the importance of ligand complexes with Fe(II) and Fe(III) in the dissolution of Fe(III) minerals and pyrite, respectively. <i>Marine Chemistry</i> , 1992, 40, 81-103.	0.9	227
430	Photo-reduction of Fe(III) by dissolved organic substances and existence of Fe(II) in seawater during spring blooms. <i>Marine Chemistry</i> , 1992, 37, 15-27.	0.9	112
431	Estuarine distributions of dissolved titanium. <i>Marine Chemistry</i> , 1992, 37, 83-103.	0.9	30
432	Spectrophotometric determination of iron(II) in anti-anaemic preparations using a newly developed Schiff's base. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 342, 439-443.	1.5	7
433	Serum non-transferrin-bound iron in beta-thalassaemia major patients treated with desferrioxamine and L1. <i>British Journal of Haematology</i> , 1992, 82, 431-436.	1.2	94
434	Purification and characterization of the ferredoxin-glutamate synthase from the unicellular cyanobacterium <i>Synechococcus</i> sp. PCC 6301. <i>FEBS Journal</i> , 1992, 206, 69-77.	0.2	50
435	Determination of ferrocene iron in protein matrices. <i>Analytica Chimica Acta</i> , 1992, 262, 87-90.	2.6	13
436	3,5,6-Trisubstituted 1,2,4-triazines as analytical reagents. <i>Analytica Chimica Acta</i> , 1993, 274, 335-346.	2.6	9
437	Complexes of Cu(II) with electroactive chelating ligands adsorbed on graphite electrodes: Surface coordination chemistry and electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 1993, 348, 81-97.	1.9	61
438	Alkalinity generation by Fe(III) reduction versus sulfate reduction in wetlands constructed for acid mine drainage treatment. <i>Water, Air, and Soil Pollution</i> , 1993, 69, 425-441.	1.1	76
439	The chemistry of aquatic phosphate: inorganic processes in rivers. <i>Hydrobiologia</i> , 1993, 253, 1-16.	1.0	36
440	Iron-bound phosphorus in marine sediments as measured by bicarbonate-dithionite extraction. <i>Hydrobiologia</i> , 1993, 253, 47-59.	1.0	213
441	Ferrous iron oxidation by anoxygenic phototrophic bacteria. <i>Nature</i> , 1993, 362, 834-836.	13.7	674

#	ARTICLE	IF	CITATIONS
442	Magnetite formation by a sulphate-reducing bacterium. <i>Nature</i> , 1993, 365, 47-49.	13.7	236
443	The ferric iron-binding protein of pathogenic <i>Neisseria</i> spp. functions as a periplasmic transport protein in iron acquisition from human transferrin. <i>Molecular Microbiology</i> , 1993, 10, 311-318.	1.2	117
444	Extraction and Activity of Carnosine, a Naturally Occurring Antioxidant in Beef Muscle. <i>Journal of Food Science</i> , 1993, 58, 1-4.	1.5	66
445	Catalysis of Lipid Oxidation by Iron from an Insoluble Fraction of Beef Diaphragm Muscle. <i>Journal of Food Science</i> , 1993, 58, 233-236.	1.5	19
446	Does High Gastric Cancer Risk Associated with Low Serum Ferritin Level Reflect Achlorhydria? An Examination via Cross-sectional Study. <i>Japanese Journal of Cancer Research</i> , 1993, 84, 844-851.	1.7	6
447	Determination of Fe(II) and Fe(III) in small samples by microbore ion chromatography and photometric, atomic absorption spectrometry and total-reflection X-ray fluorescence detection. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1993, 48, 255-261.	1.5	14
448	Ceruloplasmin inhibits carbonyl formation in endogenous cell proteins. <i>Free Radical Biology and Medicine</i> , 1993, 14, 115-125.	1.3	41
449	Characterization of iron uptake in the magnetic bacterium <i>Aquaspirillum</i> sp. AMB-1. <i>Applied Biochemistry and Biotechnology</i> , 1993, 39-40, 169-176.	1.4	21
450	Speciation and isotopic composition of sulfur in sediments from Jellyfish Lake, Palau. <i>Chemical Geology</i> , 1993, 106, 63-76.	1.4	39
451	Membrane-associated redox cycling of copper mediates hydroperoxide toxicity in <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1144, 77-84.	0.5	50
452	The reactivity of iron oxides in sediments: A kinetic approach. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 5027-5034.	1.6	189
453	Sulfur dioxide oxidation in atmospheric water: role of iron(II) and effect of ligands. <i>Environmental Science & Technology</i> , 1993, 27, 2725-2735.	4.6	59
454	A non-heme iron protein with heme tendencies: An investigation of the substrate specificity of thymine hydroxylase. <i>Biochemistry</i> , 1993, 32, 14023-14033.	1.2	61
455	Redox chemistry of iron in fog and stratus clouds. <i>Journal of Geophysical Research</i> , 1993, 98, 18423-18434.	3.3	129
456	Sulfur isotope and porewater geochemistry of Florida escarpment seep sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 1253-1266.	1.6	16
457	The anaerobic degradation of organic matter in Danish coastal sediments: Iron reduction, manganese reduction, and sulfate reduction. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 3867-3883.	1.6	806
458	The geochemistry of rare earth elements in the Amazon River estuary. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 2181-2190.	1.6	239
459	Surface chemistry of ferrihydrite: Part 2. Kinetics of arsenate adsorption and coprecipitation. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 2271-2282.	1.6	609

#	ARTICLE	IF	CITATIONS
460	Potentiometric determination of iron using a fluoride ion-selective electrode—the application of the Apple II-ISE intelligent ion analyzer. <i>Talanta</i> , 1993, 40, 891-895.	2.9	8
461	Morphologic Investigations of the Guinea Pig Model of Iron Overload. <i>Toxicologic Pathology</i> , 1993, 21, 311-320.	0.9	25
462	Analysis of Metal Ions by High Performance Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993, 16, 3133-3170.	0.9	19
463	Reduction of ferric iron by <i>Listeria monocytogenes</i> and other species of <i>Listeria</i> . <i>Canadian Journal of Microbiology</i> , 1993, 39, 480-485.	0.8	30
464	Redoxpotentialmessungen mit dauerhaft installierten Platinelektroden unter reduzierenden Bedingungen. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1993, 156, 287-292.	0.4	6
465	Relationship between iron status in pregnant women and their newborn babies Investigation in a Spanish population. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1993, 72, 534-537.	1.3	47
466	Enhanced Fe ³⁺ -Reducing Capacity Does Not Seem To Play a Major Role in Increasing Iron Absorption in Iron-Deficient Rats. <i>Journal of Nutrition</i> , 1994, 124, 2006-2015.	1.3	11
467	Iron acquisition during growth in an iron-deficient medium by <i>Rhizobium</i> sp. isolated from <i>Cicer arietinum</i> . <i>Microbiology (United Kingdom)</i> , 1994, 140, 2811-2820.	0.7	30
468	[32] Release of iron from hemoglobin. <i>Methods in Enzymology</i> , 1994, 231, 502-514.	0.4	64
469	The role of suspended matter in the distribution of dissolved inorganic phosphate, iron and aluminium in the Ems estuary. <i>Netherlands Journal of Aquatic Ecology</i> , 1994, 28, 383-395.	0.3	16
470	Chemical and biological mobilization of Fe(III) in marsh sediments. <i>Biogeochemistry</i> , 1994, 25, 41.	1.7	33
471	Groundwater nitrogen dynamics at the terrestrial-lotic interface of a small catchment in the Central Amazon basin. <i>Biogeochemistry</i> , 1994, 27, 113.	1.7	82
472	Sulfur and iron cycling in a coastal sediment: Radiotracer studies and seasonal dynamics. <i>Biogeochemistry</i> , 1994, 27, 129.	1.7	101
473	Biogeochemical cycling of sulfur and iron in sediments of a south-east Asian mangrove, Phuket Island, Thailand. <i>Biogeochemistry</i> , 1994, 26, 145.	1.7	61
474	Spectrophotometric determination of iron(II) in sea water after preconcentration by sorption of its 3-(2-pyridyl)-5,6-bis(4-phenylsulphonic acid)-1,2,4-triazine complex with poly(chlorotrifluoroethylene) resin. <i>Analytica Chimica Acta</i> , 1994, 293, 311-318.	2.6	10
475	Magnetically directed poly(lactic acid)90Y-microspheres: Novel agents for targeted intracavitary radiotherapy. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 901-908.	3.0	53
476	Automated flow-injection technique for use in dissolution studies of sustained-release formulations: Application to iron(II) formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 635-641.	1.4	15
477	Hemochromatosis in Salers Cattle. <i>Journal of Veterinary Internal Medicine</i> , 1994, 8, 105-111.	0.6	24

#	ARTICLE	IF	CITATIONS
478	[24] Deferration of laboratory media and assays for ferric and ferrous ions. <i>Methods in Enzymology</i> , 1994, 235, 315-329.	0.4	56
479	Geochemistry, mineralogy, and chemical modeling of the acid crater lake of Kawah Ijen Volcano, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2445-2460.	1.6	153
480	Iron photochemistry of aqueous suspensions of ambient aerosol with added organic acids. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3271-3279.	1.6	98
481	Redox dynamics in the Chesapeake Bay: The effect on sediment/water uranium exchange. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2985-2995.	1.6	82
482	Thiosulfate and sulfite distributions in porewater of marine sediments related to manganese, iron, and sulfur geochemistry. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 67-73.	1.6	70
483	In situ observations of dissolved iron and manganese in hydrothermal vent plumes, Juan de Fuca Ridge. <i>Journal of Geophysical Research</i> , 1994, 99, 4969-4984.	3.3	61
484	Temporal and spatial changes of terminal electron-accepting processes in a petroleum hydrocarbon-contaminated aquifer and the significance for contaminant biodegradation. <i>Water Resources Research</i> , 1994, 30, 1561-1570.	1.7	161
485	Molecular characterization of a copper transport protein in <i>S. cerevisiae</i> : An unexpected role for copper in iron transport. <i>Cell</i> , 1994, 76, 393-402.	13.5	654
486	Nutritional assessment of the iron status in a group of institutionalized elderly people in Madrid (Spain). <i>Journal of Human Nutrition and Dietetics</i> , 1994, 7, 215-223.	1.3	0
487	A comparison of iron extraction methods for the determination of degree of pyritisation and the recognition of iron-limited pyrite formation. <i>Chemical Geology</i> , 1994, 111, 101-110.	1.4	318
488	A role for metals and free radicals in the induction of apoptosis in thymocytes. <i>FEBS Letters</i> , 1994, 352, 58-62.	1.3	155
489	Iron oxidation kinetics in an acidic alpine lake. <i>Water Research</i> , 1994, 28, 323-333.	5.3	39
490	Inhibition of in vitro replication of the oyster parasite <i>Perkinsus marinus</i> by the natural iron chelators transferrin, lactoferrin, and desferrioxamine. <i>Developmental and Comparative Immunology</i> , 1994, 18, 277-286.	1.0	30
491	Partitioning and speciation of solid phase iron in saltmarsh sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 1701-1710.	1.6	536
492	Manganese, iron and sulfur cycling in a coastal marine sediment, Aarhus bay, Denmark. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 5115-5129.	1.6	584
493	Fluorine uptake by Amazon continental shelf sediment and its impact on the global fluorine cycle. <i>Continental Shelf Research</i> , 1994, 14, 883-907.	0.9	29
494	Speciation of Fe(II) and Fe(III) in Contaminated Aquifer Sediments Using Chemical Extraction Techniques. <i>Environmental Science & Technology</i> , 1994, 28, 1698-1705.	4.6	287
495	Mechanism of Assembly of the Tyrosyl Radical-Diiron(III) Cofactor of <i>E. coli</i> Ribonucleotide Reductase. 2. Kinetics of The Excess Fe ²⁺ Reaction by Optical, EPR, and Moessbauer Spectroscopies. <i>Journal of the American Chemical Society</i> , 1994, 116, 8015-8023.	6.6	179

#	ARTICLE	IF	CITATIONS
496	Oxidation capacity of aquifer sediments. <i>Environmental Science & Technology</i> , 1994, 28, 153-158.	4.6	105
497	Oxidative Defense Systems in Leaves of Three Edible Herb Species in Relation to Their Senescence Rates. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 2376-2381.	2.4	41
498	Batch experiments characterizing the reduction of chromium(VI) using suboxic material from a mildly reducing sand and gravel aquifer. <i>Environmental Science & Technology</i> , 1994, 28, 178-185.	4.6	131
499	Isolation of anaerobic respiratory mutants of <i>Shewanella putrefaciens</i> and genetic analysis of mutants deficient in anaerobic growth on Fe ³⁺ . <i>Journal of Bacteriology</i> , 1994, 176, 1468-1474.	1.0	75
500	Identification, cloning, sequencing, and overexpression of the gene encoding proclavaminic amidino hydrolase and characterization of protein function in clavulanic acid biosynthesis. <i>Journal of Bacteriology</i> , 1995, 177, 3714-3720.	1.0	53
501	Photoreactions Providing Sinks and Sources of Halocarbons in Aquatic Environments. <i>Advances in Chemistry Series</i> , 1995, , 253-278.	0.6	1
502	CATALASE INACTIVATION FOLLOWING PHOTOSENSITIZATION WITH TETRASULFONATEDMETALLOPHTHALOCYANINES. <i>Photochemistry and Photobiology</i> , 1995, 62, 123-134.	1.3	43
503	Nitrite Reductase from the Magnetotactic Bacterium <i>Magnetospirillum magnetotacticum</i> . A Novel Cytochrome cd1 with Fe(II): Nitrite Oxidoreductase Activity. <i>FEBS Journal</i> , 1995, 233, 665-671.	0.2	47
504	Iron(II) and iron(III) determination in sea water at the nanomolar level with selective on-line preconcentration and spectrophotometric determination. <i>Analytica Chimica Acta</i> , 1995, 308, 425-432.	2.6	87
505	The aquatic chemistry of rare earth elements in rivers and estuaries. <i>Aquatic Geochemistry</i> , 1995, 1, 1-34.	1.5	485
506	Methanogenesis in Arizona, USA dryland streams. <i>Biogeochemistry</i> , 1995, 31, 155-173.	1.7	53
507	Induction of ferric reductase activity in response to iron deficiency in <i>Arabidopsis</i> . <i>BioMetals</i> , 1995, 8, 297.	1.8	8
508	Microbial adaptation to iron: a possible role of phosphatidylethanolamine in iron mineral deposition. <i>BioMetals</i> , 1995, 8, 142.	1.8	13
509	The influence of chelating agents upon the dissimilatory reduction of Fe(III) by <i>Shewanella putrefaciens</i> . <i>BioMetals</i> , 1995, 8, 163.	1.8	28
510	Benefits associated with the stalk of <i>Gallionella ferruginea</i> , evaluated by comparison of a stalk-forming and a non-stalk-forming strain and biofilm studies in situ. <i>Microbial Ecology</i> , 1995, 30, 257-68.	1.4	54
511	Competition for electron donors among nitrate reducers, ferric iron reducers, sulfate reducers, and methanogens in anoxic paddy soil. <i>Biology and Fertility of Soils</i> , 1995, 19, 65-72.	2.3	431
512	Availability of colloidal ferric oxides to coastal marine phytoplankton. <i>Marine Biology</i> , 1995, 122, 1-11.	0.7	94
513	Seasonal cycling of Fe in saltmarsh sediments. <i>Biogeochemistry</i> , 1995, 29, 159-181.	1.7	125

#	ARTICLE	IF	CITATIONS
514	Phytic Acid Protective Effect Against Beef Round Muscle Lipid Peroxidation. <i>Journal of Food Science</i> , 1995, 60, 241-244.	1.5	34
515	Non-iron mediated alteration in hepatic transferrin gene expression in the nephrotic rat. <i>Kidney International</i> , 1995, 47, 1068-1077.	2.6	15
516	Limiting factors for microbial Fe(III) -reduction in a landfill leachate polluted aquifer (Vejen,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 To	1.3	48
517	Iron reduction by photoproduced superoxide in seawater. <i>Marine Chemistry</i> , 1995, 50, 93-102.	0.9	164
518	Reactivity of various types of iron(III) (hydr)oxides towards light-induced dissolution. <i>Marine Chemistry</i> , 1995, 50, 103-115.	0.9	131
519	Geochemistry and metals concentrations in marine sediments exposed to solidified/stabilized municipal solid waste incinerator ash. <i>Waste Management</i> , 1995, 15, 221-232.	3.7	2
520	Involvement of Fenton reaction products in differentiation induction of K562 human leukemia cells. <i>Leukemia Research</i> , 1995, 19, 203-212.	0.4	25
521	Reduction of exogenous ferric iron by a surface-associated ferric reductase of <i>Listeria</i> spp.. <i>Microbiology (United Kingdom)</i> , 1995, 141, 1985-1992.	0.7	69
522	Sequential extraction of phosphorus in freshwater wetland and lake sediment: Significance of humic acids. <i>Wetlands</i> , 1995, 15, 365-373.	0.7	151
523	AFT1: a mediator of iron regulated transcriptional control in <i>Saccharomyces cerevisiae</i> .. <i>EMBO Journal</i> , 1995, 14, 1231-1239.	3.5	329
524	Ferrochelatase activity and protoporphyrin IX utilization in <i>Haemophilus influenzae</i> . <i>Journal of Bacteriology</i> , 1995, 177, 3613-3615.	1.0	40
525	Purification and Characterization of Clavaminat Synthase from <i>Streptomyces antibioticus</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 5399-5404.	1.6	40
526	An Iron-regulated Gene, magA, Encoding an Iron Transport Protein of <i>Magnetospirillum</i> sp. Strain AMB-1. <i>Journal of Biological Chemistry</i> , 1995, 270, 28392-28396.	1.6	134
527	Photochemical Reductive Dissolution of Lepidocrocite. <i>Advances in Chemistry Series</i> , 1995, , 279-290.	0.6	8
528	Characterization of the Iron-binding Site in Mammalian Ferrochelatase by Kinetic and Mössbauer Methods. <i>Journal of Biological Chemistry</i> , 1995, 270, 26352-26357.	1.6	29
529	Binuclear [2Fe-2S] Clusters in the <i>Escherichia coli</i> SoxR Protein and Role of the Metal Centers in Transcription. <i>Journal of Biological Chemistry</i> , 1995, 270, 20908-20914.	1.6	185
530	Photodegradation of EDTA in the Presence of Lepidocrocite. <i>Environmental Science & Technology</i> , 1995, 29, 2992-3000.	4.6	32
531	Impact of Sediment-Bound Iron on Redox Buffering in a Landfill Leachate Polluted Aquifer (Vejen,) Tj ETQq1 1 0.784314 rgBT /Overlock 115	4.6	115

#	ARTICLE	IF	CITATIONS
532	Development of a Gold Amalgam Voltammetric Microelectrode for the Determination of Dissolved Fe, Mn, O ₂ , and S(-II) in Porewaters of Marine and Freshwater Sediments. <i>Environmental Science & Technology</i> , 1995, 29, 751-761.	4.6	359
533	Coagulation/sedimentation of submicron iron particles in a eutrophic lake. <i>Water Research</i> , 1995, 29, 617-632.	5.3	78
534	Photoreduction of Fe(III) by hydroxycarboxylic acids in seawater. <i>Water Research</i> , 1995, 29, 1559-1569.	5.3	92
535	Sulfur geochemistry of organic-rich sediments from Mud Lake, Florida, U.S.A.. <i>Chemical Geology</i> , 1995, 121, 245-262.	1.4	32
536	Role of ascorbate in protection by nitecapone against cardiac ischemia-reperfusion injury. <i>Biochemical Pharmacology</i> , 1995, 50, 839-843.	2.0	19
537	Deducing the Distribution of Terminal Electron-Accepting Processes in Hydrologically Diverse Groundwater Systems. <i>Water Resources Research</i> , 1995, 31, 359-371.	1.7	254
538	Distributions of dissolved titanium in Chesapeake Bay and the Amazon River Estuary. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 2449-2458.	1.6	40
539	²¹⁰ Pb and stable lead through the redox transition zone of an Antarctic lake. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 2459-2468.	1.6	29
540	Determination and Involvement of Aqueous Reducing Compounds in Oxidative Defense Systems of Various Senescing Leaves. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 1813-1819.	2.4	633
541	Iron-limited growth and kinetics of iron uptake in <i>Magnetospirillum gryphiswaldense</i> . <i>Archives of Microbiology</i> , 1996, 166, 301-307.	1.0	141
542	Diel Variation of Trace Metals in the Upper Clark Fork River, Montana. <i>Environmental Science & Technology</i> , 1996, 30, 1953-1960.	4.6	127
543	Influence of Electron Donor on the Minimum Sulfate Concentration Required for Sulfate Reduction in a Petroleum Hydrocarbon-Contaminated Aquifer. <i>Environmental Science & Technology</i> , 1996, 30, 1377-1381.	4.6	40
544	Reconsideration of X, the Diiron Intermediate Formed during Cofactor Assembly in E. coli Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 1996, 118, 7551-7557.	6.6	253
545	Remineralization rates, recycling, and storage of carbon in Amazon shelf sediments. <i>Continental Shelf Research</i> , 1996, 16, 753-786.	0.9	225
546	Iron nutritional status in female karatekas, handball and basketball players, and runners. <i>Physiology and Behavior</i> , 1996, 59, 449-453.	1.0	27
547	The flavohaemoglobin (HMP) of <i>Escherichia coli</i> generates superoxide in vitro and causes oxidative stress in vivo. <i>FEBS Letters</i> , 1996, 382, 141-144.	1.3	67
548	Dissolved organic Fe(III) and Fe(II) complexes in salt marsh porewaters. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 951-960.	1.6	113
549	Diagenetic cycling of arsenic in Amazon shelf sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1465-1477.	1.6	158

#	ARTICLE	IF	CITATIONS
550	Determination of photochemically available iron in ambient aerosols. <i>Journal of Geophysical Research</i> , 1996, 101, 14441-14449.	3.3	46
551	Porewater pH and authigenic phases formed in the uppermost sediments of the Santa Barbara Basin. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4037-4057.	1.6	170
552	Metal-Microbe Interactions: Contemporary Approaches. <i>Advances in Microbial Physiology</i> , 1996, 38, 177-243.	1.0	154
553	Effects of Fulvic Acid on Fe(II) Oxidation by Hydrogen Peroxide. <i>Environmental Science & Technology</i> , 1996, 30, 1106-1114.	4.6	332
554	A Permease-Oxidase Complex Involved in High-Affinity Iron Uptake in Yeast. <i>Science</i> , 1996, 271, 1552-1557.	6.0	634
555	Interference of ferritin in measurement of serum iron concentrations: comparison by five methods. <i>Clinical Chemistry</i> , 1996, 42, 331-332.	1.5	12
556	Binding and surface exposure characteristics of the gonococcal transferrin receptor are dependent on both transferrin-binding proteins. <i>Journal of Bacteriology</i> , 1996, 178, 1437-1444.	1.0	117
557	Reduction of Structural Fe(III) in Smectite by a Pure Culture of <i>Shewanella Putrefaciens</i> Strain MR-1. <i>Clays and Clay Minerals</i> , 1996, 44, 522-529.	0.6	211
558	Pathways of carbon oxidation in continental margin sediments off central Chile. <i>Limnology and Oceanography</i> , 1996, 41, 1629-1650.	1.6	292
559	The Chlorophyll Biosynthetic Enzyme Mg-Protoporphyrin IX Monomethyl Ester (Oxidative) Cyclase (Characterization and Partial Purification from <i>Chlamydomonas reinhardtii</i> and <i>Synechocystis</i> sp.) <i>Tj ETQq1 1 0.784314 rgBT78</i> Overload	1.4	49
560	Enhancement of Fe(III), Co(III), and Cr(VI) reduction at elevated temperatures and by a thermophilic bacterium. <i>Applied Biochemistry and Biotechnology</i> , 1996, 57-58, 923-932.	1.4	49
561	Flow Injection with an Integrated Retention/Photometric Detection Unit for the Determination of Iron in Water. <i>Microchemical Journal</i> , 1996, 53, 413-419.	2.3	5
562	Chromogenic reagents for iron(II): Studies in the 1,2,4-triazine series. <i>Analytica Chimica Acta</i> , 1996, 322, 203-208.	2.6	26
563	A single monomeric iron center in clavaminic synthase catalyzes three nonsuccessive oxidative transformations. <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 1059-1064.	1.4	35
564	Oxidation of hydrogen sulfide by hydrous Fe(III) oxides in seawater. <i>Marine Chemistry</i> , 1996, 52, 1-16.	0.9	241
565	Evaluation of the antioxidant properties of a methanolic extract from "Juice Plus fruit"™ and "Juice Plus vegetable"™ (dietary supplements). <i>Food Chemistry</i> , 1996, 57, 271-274.	4.2	7
566	More sensitive way to determine iron using an iron(II)-1, 10-phenanthroline complex and capillary electrophoresis. <i>Journal of Chromatography A</i> , 1996, 749, 287-294.	1.8	65
567	Colloidal trace metals, organic carbon and nitrogen in a southeastern U.S. estuary. <i>Marine Chemistry</i> , 1996, 55, 165-176.	0.9	113

#	ARTICLE	IF	CITATIONS
568	Factors controlling the solubility of aerosol trace metals in the atmosphere and on mixing into seawater. <i>Aquatic Geochemistry</i> , 1996, 1, 355-374.	1.5	147
569	Sulfur diagenesis and burial on the Amazon shelf: Major control by physical sedimentation processes. <i>Geo-Marine Letters</i> , 1996, 16, 3-10.	0.5	44
570	Sediment diffusive fluxes of Fe, Mn, and P in a eutrophic lake: Contribution from lateral vs bottom sediments. <i>Aquatic Sciences</i> , 1996, 58, 327-354.	0.6	30
571	ANTIOXIDANT ACTIONS OF FRUIT, HERB AND SPICE EXTRACTS. <i>Journal of Food Lipids</i> , 1996, 3, 171-188.	0.9	49
572	Biotransformation at 10o C of Di-n-Butyl Phthalate in Subsurface Microcosms. <i>Ground Water</i> , 1996, 34, 791-794.	0.7	17
573	Fate of elemental sulfur in an intertidal sediment. <i>FEMS Microbiology Ecology</i> , 1996, 19, 95-103.	1.3	83
574	A duodenal mucosal abnormality in the reduction of Fe(III) in patients with genetic haemochromatosis.. <i>Gut</i> , 1996, 38, 765-769.	6.1	33
575	<i>Desulfitobacterium hafniense</i> sp. nov., an Anaerobic, Reductively Dechlorinating Bacterium. <i>International Journal of Systematic Bacteriology</i> , 1996, 46, 442-448.	2.8	147
576	EDTA: An Alternative Spectrophotometric Reagent for Iron Estimation. <i>Journal of Analytical Toxicology</i> , 1997, 21, 172-173.	1.7	8
577	Localization of enzymically enhanced heavy metal accumulation by <i>Citrobacter</i> sp. and metal accumulation in vitro by liposomes containing entrapped enzyme. <i>Microbiology (United Kingdom)</i> , 1997, 143, 2497-2507.	0.7	79
578	<i>Escherichia coli</i> flavohaemoglobin (Hmp) reduces cytochrome c and Fe(III)-hydroxamate K by electron transfer from NADH via FAD: sensitivity of oxidoreductase activity to haem-bound dioxygen. <i>Microbiology (United Kingdom)</i> , 1997, 143, 1557-1565.	0.7	34
579	Anaerobic Biodegradation of Alkylbenzenes in Laboratory Microcosms Representing Ambient Conditions. <i>Bioremediation Journal</i> , 1997, 1, 53-64.	1.0	21
580	The female Spanish population: a group at risk of nutritional iron deficiency. <i>International Journal of Food Sciences and Nutrition</i> , 1997, 48, 271-279.	1.3	12
581	Importance of Haem Biosynthesis in the Control of Intestinal Iron Absorption. <i>Biochemical Society Transactions</i> , 1997, 25, 58S-58S.	1.6	4
582	In situ Preconcentration Method for Iron(II) in Environmental Water Samples Using Solid Phase Extraction Followed by Spectrophotometric Determination.. <i>Analytical Sciences</i> , 1997, 13, 231-235.	0.8	22
583	BIOGEOCHEMICAL EFFECTS OF SEAWATER RESTORATION TO DIKED SALT MARSHES. , 1997, 7, 1054-1063.		75
584	Role of Quinone Intermediates as Electron Shuttles in Fenton and Photoassisted Fenton Oxidations of Aromatic Compounds. <i>Environmental Science & Technology</i> , 1997, 31, 2399-2406.	4.6	574
585	Valence State of Iron in the Presence of Ascorbic Acid and Ethylenediaminetetraacetic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 1126-1129.	2.4	35

#	ARTICLE	IF	CITATIONS
586	Microbial Mobilization of Arsenic from Sediments of the Aberjona Watershed. <i>Environmental Science & Technology</i> , 1997, 31, 2923-2930.	4.6	251
587	A Role for the <i>Saccharomyces cerevisiae</i> ATX1 Gene in Copper Trafficking and Iron Transport. <i>Journal of Biological Chemistry</i> , 1997, 272, 9215-9220.	1.6	366
588	Nickel Mobilization in a Groundwater Well Field: Release by Pyrite Oxidation and Desorption from Manganese Oxides. <i>Environmental Science & Technology</i> , 1997, 31, 2589-2595.	4.6	103
589	Effect of Heat Denaturation on the Pro-oxidative Activity of Metmyoglobin in Linoleic Acid Emulsions. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 7-13.	2.4	35
590	Kinetics and pH Dependence of Chromium(VI) Reduction by Iron(II). <i>Environmental Science & Technology</i> , 1997, 31, 1426-1432.	4.6	400
591	Low molecular weight chelators and phenolic compounds isolated from wood decay fungi and their role in the fungal biodegradation of wood. This is paper 2084 of the Maine Agricultural and Forest Experiment Station. <i>Journal of Biotechnology</i> , 1997, 53, 133-162.	1.9	380
592	Diel variability of soluble Fe(II) and soluble total Fe in North African dust in the trade winds at Barbados. <i>Journal of Geophysical Research</i> , 1997, 102, 21297-21305.	3.3	167
593	Effects of field drainage on soil parameters related to methane production and emission from rice paddies. <i>Global Biogeochemical Cycles</i> , 1997, 11, 151-162.	1.9	55
594	Spectrophotometric determination of iron with ferrozine by flow-injection analysis. <i>Talanta</i> , 1997, 44, 1793-1801.	2.9	39
595	Association of cobalt and manganese in aquatic systems: Chemical and microscopic evidence. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1437-1446.	1.6	89
596	Reduction of hexavalent chromium by ferrous iron. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2185-2192.	1.6	241
597	Microbially catalyzed dissolution of iron and aluminum oxyhydroxide mineral surface coatings. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 4467-4477.	1.6	96
598	Manufacture and Quality of Iron-Fortified Yogurt. <i>Journal of Dairy Science</i> , 1997, 80, 3114-3122.	1.4	70
599	Effects of dietary fat type and iron level on in vivo lipid peroxidation in rat colon. <i>Nutrition Research</i> , 1997, 17, 1381-1389.	1.3	3
600	Iron bound to ferritin catalyzes ascorbate oxidation: effects of chelating agents. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1335, 33-39.	1.1	25
601	Fully automated measurement of total iron-binding capacity in serum. <i>Clinical Chemistry</i> , 1997, 43, 2413-2417.	1.5	21
602	Antioxidant Effects of L-Carnosine on Liposomes and Beef Homogenates. <i>Journal of Food Science</i> , 1997, 62, 931-1000.	1.5	46
603	Production of Lipid-Derived Free Radicals in L1210 Murine Leukemia Cells Is an Early Oxidative Event in the Photodynamic Action of Photofrin. <i>Photochemistry and Photobiology</i> , 1997, 65, 576-580.	1.3	27

#	ARTICLE	IF	CITATIONS
604	Phosphatidylethanolamine production and iron homeostasis in <i>Pseudomonas fluorescens</i> . <i>Microbiological Research</i> , 1997, 152, 99-103.	2.5	2
605	H ₂ O ₂ -Driven Reduction of the Fe ³⁺ -Quin ₂ Chelate and the Subsequent Formation of Oxidizing Species. <i>Free Radical Biology and Medicine</i> , 1997, 23, 744-753.	1.3	26
606	Can urbanization limit iron availability to estuarine algae?. <i>Journal of Experimental Marine Biology and Ecology</i> , 1997, 213, 53-69.	0.7	23
607	Short-Term Effects of Salinity Reduction and Drainage on Salt-Marsh Biogeochemical Cycling and <i>Spartina</i> (Cordgrass) Production. <i>Estuaries and Coasts</i> , 1997, 20, 569.	1.7	29
608	Effects of historic tidal restrictions on salt marsh sediment chemistry. <i>Biogeochemistry</i> , 1997, 36, 275-303.	1.7	127
609	Title is missing!. <i>Biodegradation</i> , 1997, 8, 77-86.	1.5	12
610	Properties and application of aryl-substituted azines (review). <i>Chemistry of Heterocyclic Compounds</i> , 1997, 33, 883-897.	0.6	2
611	Structure of putrebactin, a new dihydroxamate siderophore produced by <i>Shewanella putrefaciens</i> . <i>Journal of Biological Inorganic Chemistry</i> , 1997, 2, 93-97.	1.1	68
612	Aggregation of iron colloids in estuaries: a heterogeneous kinetics study using continuous mixing of river and sea waters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 120, 111-121.	2.3	26
613	Decolorization of ion-exchange effluents derived from sugar-mill operations by <i>Bjerkandera sp.</i> BOS55. <i>International Biodeterioration and Biodegradation</i> , 1997, 40, 125-129.	1.9	53
614	Laboratory study of electrokinetic effects in complex natural sediments. <i>Journal of Hazardous Materials</i> , 1997, 55, 187-201.	6.5	20
615	Tidal flushing of ammonium, iron and manganese from inter-tidal sediment pore waters. <i>Marine Chemistry</i> , 1997, 58, 203-211.	0.9	60
616	Energy-dependent changes in the gonococcal transferrin receptor. <i>Molecular Microbiology</i> , 1997, 26, 25-35.	1.2	53
617	Prevalence of hereditary hemochromatosis in a Massachusetts corporation: Is Celtic origin a risk factor?. <i>Hepatology</i> , 1997, 25, 1439-1446.	3.6	66
618	Hepatic hemosiderosis in non-human primates: Quantification of liver iron using different field strengths. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 530-536.	1.9	89
619	Kinetics of U(VI) reduction by a dissimilatory Fe(III)-reducing bacterium under non-growth conditions. , 1997, 55, 490-496.		87
620	Reductive Dissolution of Fe(III) (Hydr)oxides by Cysteine: Kinetics and Mechanism. <i>Journal of Colloid and Interface Science</i> , 1997, 194, 194-206.	5.0	83
621	Long pathlength absorbance spectroscopy: trace analysis of Fe(II) using a 4.5m liquid core waveguide. <i>Analytica Chimica Acta</i> , 1997, 357, 99-102.	2.6	132

#	ARTICLE	IF	CITATIONS
622	Indirect determination of ascorbic acid by solid-phase spectrophotometry. <i>Analytica Chimica Acta</i> , 1998, 360, 143-152.	2.6	45
623	Modelling chemical changes of tidal waters emerging from a mangrove forest at Cananea, Brazil. <i>Mangroves and Salt Marshes</i> , 1998, 2, 43-49.	0.6	4
624	Hydrology and Chemistry of the Choptank River Basin. <i>Water, Air, and Soil Pollution</i> , 1998, 105, 387-397.	1.1	33
625	Transformation of Phosphorus in the Elbe Estuary. <i>Estuaries and Coasts</i> , 1998, 21, 518.	1.7	26
626	Antioxidant Effects of Carnosine and Phytic Acid in a Model Beef System. <i>Journal of Food Science</i> , 1998, 63, 394-398.	1.5	87
627	Fate of MTBE Relative to Benzene in a Gasoline-Contaminated Aquifer (1993-98). <i>Ground Water Monitoring and Remediation</i> , 1998, 18, 93-102.	0.6	81
628	Sulfate-reducing bacterium grows with Cr(VI), U(VI), Mn(IV), and Fe(III) as electron acceptors. <i>FEMS Microbiology Letters</i> , 1998, 162, 193-198.	0.7	394
629	Geology and sediment geochemistry of a landfill leachate contaminated aquifer (Grindsted, Denmark). <i>Journal of Contaminant Hydrology</i> , 1998, 29, 301-317.	1.6	49
630	Anaerobic microbial redox processes in a landfill leachate contaminated aquifer (Grindsted.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422 T</i>	1.6	89
631	The genesis and transformation of organo-mineral colloids in a drained peatland area. <i>Physics and Chemistry of the Earth</i> , 1998, 23, 153-157.	0.3	8
632	Recycling of organic matter along a shelf-slope transect across the N.W. European Continental Margin (Goban Spur). <i>Progress in Oceanography</i> , 1998, 42, 77-110.	1.5	74
633	Effect of pyrophosphate on the dechlorination of tetrachloroethene by the Fenton reaction. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 1689-1694.	2.2	36
634	Alterations in serum and tissue iron profiles associated with mutations in the <i>fitness1 4226sb</i> locus of mice. <i>Comparative Haematology International</i> , 1998, 8, 72-76.	0.5	4
635	Modification of the ferrozine technique to analyze iron contents in different foods. <i>Biological Trace Element Research</i> , 1998, 65, 87-94.	1.9	24
636	Assessment of natural attenuation of aromatic hydrocarbons in groundwater near a former manufactured-gas plant, South Carolina, USA. <i>Environmental Geology</i> , 1998, 34, 279-292.	1.2	19
637	Anaerobic and aerobic oxidation of ferrous iron at neutral pH by chemoheterotrophic nitrate-reducing bacteria. <i>Archives of Microbiology</i> , 1998, 169, 159-165.	1.0	234
638	The influence of saturated fatty acid consumption on energy and nutrient intake, blood lipid levels and iron indicators in a group of young women. <i>Nutrition Research</i> , 1998, 18, 671-682.	1.3	4
639	Recovery from black spots: results of a loading experiment in the Wadden Sea. <i>Journal of Sea Research</i> , 1998, 40, 205-219.	0.6	41

#	ARTICLE	IF	CITATIONS
640	Indirect spectrophotometric determination of ascorbic acid with ferrozine by flow-injection analysis. <i>Talanta</i> , 1998, 47, 531-536.	2.9	46
641	Dual-analyte spectroscopic sensing in sol-gel derived polyelectrolyte-silica composite thin films. <i>Talanta</i> , 1998, 47, 1071-1076.	2.9	5
642	Riverine input of bioavailable iron supporting phytoplankton growth in Kesenuma Bay (Japan). <i>Water Research</i> , 1998, 32, 3436-3442.	5.3	55
643	Biogenic iron mineralization accompanying the dissimilatory reduction of hydrous ferric oxide by a groundwater bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3239-3257.	1.6	712
644	Speciation and isotopic composition of sedimentary sulfur in the Everglades, Florida, USA. <i>Chemical Geology</i> , 1998, 146, 155-170.	1.4	38
645	The early diagenesis of iron in pelagic sediments: a multidisciplinary approach. <i>Earth and Planetary Science Letters</i> , 1998, 157, 233-248.	1.8	26
646	Effects of a fluctuating water table: column study on redox dynamics and fate of some organic pollutants. <i>Journal of Contaminant Hydrology</i> , 1998, 33, 231-246.	1.6	44
647	Active Sites and the Non-Steady-State Dissolution of Hematite. <i>Environmental Science & Technology</i> , 1998, 32, 2871-2875.	4.6	31
648	Photoreaction of Valerophenone in Aqueous Solution. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5716-5723.	1.1	64
649	EXAFS Characterization of the Intermediate X Generated During the Assembly of the <i>Escherichia coli</i> Ribonucleotide Reductase R2 Diferric Tyrosyl Radical Cofactor. <i>Journal of the American Chemical Society</i> , 1998, 120, 849-860.	6.6	186
650	Influence of Organic Ligands on Chromium(VI) Reduction by Iron(II). <i>Environmental Science & Technology</i> , 1998, 32, 2092-2099.	4.6	230
651	Characterization of Y122F R2 of <i>Escherichia coli</i> Ribonucleotide Reductase by Time-Resolved Physical Biochemical Methods and X-ray Crystallography. <i>Biochemistry</i> , 1998, 37, 5840-5848.	1.2	43
652	Biogeochemical Cycles of Manganese and Iron at the Oxidizing-Anoxic Transition of a Stratified Marine Basin (Orca Basin, Gulf of Mexico). <i>Environmental Science & Technology</i> , 1998, 32, 2931-2939.	4.6	122
653	Iron-Binding Catechols Oxidating Lignin and Chlorolignin. <i>Biochemical and Biophysical Research Communications</i> , 1998, 251, 399-402.	1.0	19
654	Simultaneous Determination of Iron(III), Iron(II), and Manganese(II) in Environmental Samples by Ion Chromatography. <i>Environmental Science & Technology</i> , 1998, 32, 1530-1537.	4.6	99
655	Photochemical production of carbon disulphide in seawater. <i>Journal of Geophysical Research</i> , 1998, 103, 5635-5644.	3.3	54
656	Sources, sinks, and mechanisms of hydroxyl radical ($\cdot\text{OH}$) photoproduction and consumption in authentic acidic continental cloud waters from Whiteface Mountain, New York: The role of the Fe(r) ($r = \text{II}, \text{III}$) photochemical cycle. <i>Journal of Geophysical Research</i> , 1998, 103, 3487-3504.	3.3	143
657	Geophysical characterization, redox zonation, and contaminant distribution at a groundwater/surface water interface. <i>Water Resources Research</i> , 1998, 34, 3545-3559.	1.7	26

#	ARTICLE	IF	CITATIONS
658	The catechololate siderophores of <i>Azotobacter vinelandii</i> : their affinity for iron and role in oxygen stress management. <i>Microbiology (United Kingdom)</i> , 1998, 144, 1747-1754.	0.7	61
659	Analysis of Iron in Ferritin, the Iron-Storage Protein: A General Chemistry Experiment. <i>Journal of Chemical Education</i> , 1998, 75, 437.	1.1	22
660	Iron stimulates the rate of reduction of hexavalent chromium by human microsomes. <i>Carcinogenesis</i> , 1998, 19, 1029-1038.	1.3	22
661	Phototrophic oxidation of ferrous iron by a <i>Rhodomicrobium vannielii</i> strain. <i>Microbiology (United Kingdom)</i> , 1998, 144, 1747-1754.	0.7	101
662	Analysis of Ferric and Ferrous Ions in Soil Extracts by Ion Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 551-565.	0.5	14
663	Spectrophotometric Determination of Trace Anionic Surfactants Such as SDS and SDBS in Water After Preconcentration on an Organic Solvent-Soluble Membrane Filter. <i>Analytical Letters</i> , 1998, 31, 691-701.	1.0	13
664	Seasonal patterns of carbonate diagenesis in nearshore terrigenous muds: Relation to spring phytoplankton bloom and temperature. <i>Journal of Marine Research</i> , 1998, 56, 1097-1123.	0.3	48
665	Experimental observations of the effects of bacteria on aluminosilicate weathering. <i>American Mineralogist</i> , 1998, 83, 1551-1563.	0.9	298
666	Collection of Red Tide Plankton by the Dispersed-Air Foam-Separating System Using Coagulant and Protein.. <i>Journal of Japan Society on Water Environment</i> , 1998, 21, 310-317.	0.1	5
667	Elemental Sulfur and Thiosulfate Disproportionation by <i>Desulfocapsa sulfoexigens</i> sp. nov., a New Anaerobic Bacterium Isolated from Marine Surface Sediment. <i>Applied and Environmental Microbiology</i> , 1998, 64, 119-125.	1.4	300
668	Organic carbon burial and faunal dynamics in the Appalachian Basin during the Devonian (Givetian-Famennian) greenhouse: an integrated paleoecological and biogeochemical approach. , 1999, , 351-385.		6
669	Enhanced degradation of algal lipids by benthic macrofaunal activity: Effect of <i>Yoldia limatula</i> . <i>Journal of Marine Research</i> , 1999, 57, 775-804.	0.3	62
670	Psychrophilic sulfate-reducing bacteria isolated from permanently cold Arctic marine sediments: description of <i>Desulfofrigus oceanense</i> gen. nov., sp. nov., <i>Desulfofrigus fragile</i> sp. nov., <i>Desulfofaba gelida</i> gen. nov., sp. nov., <i>Desulfotalea psychrophila</i> gen. nov., sp. nov. and <i>Desulfotalea arctica</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1631-1643.	0.8	221
671	Apoplasmic pH and Fe ³⁺ Reduction in Intact Sunflower Leaves. <i>Plant Physiology</i> , 1999, 121, 1069-1079.	2.3	107
672	Application of Mineral Iron and Sulfide Analysis to Evaluate Natural Attenuation at Fuel Contaminated Site. <i>Journal of Environmental Engineering, ASCE</i> , 1999, 125, 47-56.	0.7	14
673	Anaerobic oxidations of cysteate: degradation via L-cysteate: 2-oxoglutarate aminotransferase in <i>Paracoccus pantotrophus</i> . <i>Microbiology (United Kingdom)</i> , 1999, 145, 1153-1160.	0.7	22
674	Light acceleration of iron(III) reduction by humic acid in the aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 155, 249-258.	2.3	47
675	Island weathering: river sources of rare earth elements to the Western Pacific Ocean. <i>Marine Chemistry</i> , 1999, 68, 39-57.	0.9	182

#	ARTICLE	IF	CITATIONS
676	Alpha lipoic acid (ALA) protects proteins against the hydroxyl free radical-induced alterations: rationale for its geriatric topical application. Archives of Gerontology and Geriatrics, 1999, 29, 45-56.	1.4	22
677	Distribution and speciation of phosphorus along a salinity gradient in intertidal marsh sediments. Biogeochemistry, 1999, 45, 197-221.	1.7	100
678	¹³ C/ ¹² C isotope fractionation of aromatic hydrocarbons during microbial degradation. Environmental Microbiology, 1999, 1, 409-414.	1.8	139
679	Protein-bound iron's sulfur centers. Form, function, and assembly. Coordination Chemistry Reviews, 1999, 190-192, 1049-1066.	9.5	36
680	Ferric-reductase activities in <i>Vibrio vulnificus</i> biotypes 1 and 2. FEMS Microbiology Letters, 1999, 172, 205-211.	0.7	10
681	Fermentative toluene degradation in anaerobic defined syntrophic cocultures. FEMS Microbiology Letters, 1999, 177, 67-73.	0.7	90
682	The Buffering Capacity Towards Free Sulphide in Sediments of a Coastal Lagoon (Bassin d'Arcachon, France). Science, 1999, 49, 21-35.	0.9	52
683	The Distribution of Microbial Communities in Anaerobic and Aerobic Zones of a Shallow Coastal Plain Aquifer. Microbial Ecology, 1999, 38, 377-386.	1.4	26
684	<i>Chlorobium ferrooxidans</i> sp. nov., a phototrophic green sulfur bacterium that oxidizes ferrous iron in coculture with a "Geospirillum" sp. strain. Archives of Microbiology, 1999, 172, 116-124.	1.0	193
685	Organic solvent-soluble membrane filters for the preconcentration and spectrophotometric determination of iron(II) traces in water with Ferrozine. Fresenius' Journal of Analytical Chemistry, 1999, 363, 119-120.	1.5	25
686	Variable dispersivity in a column experiment containing MnO ₂ and FeOOH-coated sand. Journal of Contaminant Hydrology, 1999, 40, 95-106.	1.6	22
687	Inhibitory effect of tea flavonoids on the ability of cells to oxidize low density lipoprotein. Biochemical Pharmacology, 1999, 58, 1695-1703.	2.0	116
688	Toxicity testing of organic chemicals in groundwater polluted with landfill leachate. Environmental Toxicology and Chemistry, 1999, 18, 2046-2053.	2.2	46
689	Enhanced anaerobic biotransformation of carbon tetrachloride in the presence of reduced iron oxides. Environmental Toxicology and Chemistry, 1999, 18, 2142-2150.	2.2	42
690	Polypyrrole Films Doped with an Electroactive Sulfonated Chelating Reagent: Electrochemical Characterization and the Detection of Metal Ions. Electroanalysis, 1999, 11, 647-652.	1.5	32
691	Short- vs. long-circulating magnetoliposomes as bone marrow-seeking MR contrast agents. Journal of Magnetic Resonance Imaging, 1999, 9, 329-335.	1.9	84
692	Regulated expression of the <i>Saccharomyces cerevisiae</i> Fre1p/Fre2p Fe/Cu reductase related genes. , 1999, 15, 573-584.		65
693	Identification of stoichiometric iron-phosphorus colloids produced in a eutrophic lake. Aquatic Sciences, 1999, 61, 133.	0.6	53

#	ARTICLE	IF	CITATIONS
694	Atrazine Degradation in Irradiated Iron/Oxalate Systems: Effects of pH and Oxalate. <i>Environmental Science & Technology</i> , 1999, 33, 2418-2424.	4.6	322
695	Iron Isotope Biosignatures. <i>Science</i> , 1999, 285, 1889-1892.	6.0	357
696	Influence of Mineral Surfaces on Chromium(VI) Reduction by Iron(II). <i>Environmental Science & Technology</i> , 1999, 33, 4285-4291.	4.6	273
697	Distribution and Metabolic Diversity of Microorganisms in Deep Igneous Rock Aquifers of Finland. <i>Geomicrobiology Journal</i> , 1999, 16, 277-294.	1.0	84
698	Antioxidant activity of mechanically separated pork extracts. <i>Meat Science</i> , 1999, 52, 101-110.	2.7	16
699	Decomposition of sedimentary organic matter and methane formation in the recent sediment of Lake Bled (Slovenia). <i>Chemical Geology</i> , 1999, 159, 223-240.	1.4	33
700	1. Use of a novel laboratory stream system to study the ecological impact of PCB exposure in a periphytic biolayer. <i>Water Research</i> , 1999, 33, 3735-3748.	5.3	10
701	Redox zoning, rates of sulfate reduction and interactions with Fe-reduction and methanogenesis in a shallow sandy aquifer, RÅmÅ, Denmark. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 137-151.	1.6	225
702	A consistent model for surface complexation on birnessite ($\alpha\text{-MnO}_2$) and its application to a column experiment. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3039-3048.	1.6	106
703	The A β Peptide of Alzheimer's Disease Directly Produces Hydrogen Peroxide through Metal Ion Reduction. <i>Biochemistry</i> , 1999, 38, 7609-7616.	1.2	1,098
704	Distribution and speciation of phosphorus along a salinity gradient in intertidal marsh sediments. <i>Biogeochemistry</i> , 1999, 45, 197-221.	1.7	53
705	Chemical characterization of ambient aerosol collected during the southwest monsoon and intermonsoon seasons over the Arabian Sea: Labile-Fe(II) and other trace metals. <i>Journal of Geophysical Research</i> , 1999, 104, 3511-3526.	3.3	122
706	An anaerobic field injection experiment in a landfill leachate plume, Grindsted, Denmark: 2. Deduction of anaerobic (methanogenic, sulfate-, and Fe (III)-reducing) redox conditions. <i>Water Resources Research</i> , 1999, 35, 1247-1256.	1.7	23
707	New Method for the Direct Determination of Dissolved Fe(III) Concentration in Acid Mine Waters. <i>Environmental Science & Technology</i> , 1999, 33, 807-813.	4.6	143
708	Ferrous Iron Removal Promotes Microbial Reduction of Crystalline Iron(III) Oxides. <i>Environmental Science & Technology</i> , 1999, 33, 1847-1853.	4.6	164
709	In Situ Cr(VI) Reduction within Coarse-Textured, Oxide-Coated Soil and Aquifer Systems Using Fe(II) Solutions. <i>Environmental Science & Technology</i> , 1999, 33, 938-944.	4.6	181
710	Lipoic Acid Biosynthesis: LipA Is an Iron-Sulfur Protein. <i>Journal of the American Chemical Society</i> , 1999, 121, 4706-4707.	6.6	80
711	Nitric Oxide Inhibits Iron-Induced Lipid Peroxidation in HL-60 Cells. <i>Archives of Biochemistry and Biophysics</i> , 1999, 370, 97-104.	1.4	59

#	ARTICLE	IF	CITATIONS
712	The Hydroxyl Free Radical Reactions of Ascorbyl Palmitate as Measured in Various in Vitro Models. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 661-665.	1.0	25
713	Fate of Neptunium in an Anaerobic, Ethanogenic Microcosm. <i>Materials Research Society Symposia Proceedings</i> , 1999, 556, 1141.	0.1	5
714	Acetate retention and metabolism in the hyporheic zone of a mountain stream. <i>Limnology and Oceanography</i> , 1999, 44, 1530-1539.	1.6	113
716	Dopamine and DOPA cause release of iron from ferritin and lipid peroxidation of liposomes. <i>NeuroReport</i> , 1999, 10, 1883-1887.	0.6	14
717	Removal of Hexavalent Chromium from Groundwater by Granular Activated Carbon. <i>Water Environment Research</i> , 2000, 72, 29-39.	1.3	75
718	Determination of Fe(II) and total iron in natural waters with 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine (PDT). <i>Analytica Chimica Acta</i> , 2000, 406, 289-302.	2.6	60
719	Effects of non-steady-state iron limitation on nitrogen assimilatory enzymes in the marine diatom <i>Thalassiosira weissflogii</i> (BACILLARIOPHYCEAE). <i>Journal of Phycology</i> , 2000, 36, 78-86.	1.0	123
720	Chelator-induced iron excretion in iron-overloaded marmosets. <i>British Journal of Haematology</i> , 2000, 110, 985-992.	1.2	29
721	Iron acquisition and virulence in <i>Helicobacter pylori</i> : a major role for FeoB, a high-affinity ferrous iron transporter. <i>Molecular Microbiology</i> , 2000, 37, 274-286.	1.2	262
722	Preparation, characterization, and performance of magnetic iron-carbon composite microparticles for chemotherapy. <i>Biomaterials</i> , 2000, 21, 1411-1420.	5.7	219
723	Growth stimulation of <i>Porphyromonas endodontalis</i> by hemoglobin and protoporphyrin IX. <i>Oral Microbiology and Immunology</i> , 2000, 15, 365-370.	2.8	3
724	Heterogeneous light-induced transformation of 2,6-dimethylphenol in aqueous suspensions containing goethite. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 132, 129-135.	2.0	54
725	A role for excreted quinones in extracellular electron transfer. <i>Nature</i> , 2000, 405, 94-97.	13.7	751
726	Structural insights into the stereochemistry of the cyclooxygenase reaction. <i>Nature</i> , 2000, 405, 97-101.	13.7	222
727	Kinetics of Fe(III) and Mn(IV) reduction by the Black Sea strain of <i>Shewanella putrefaciens</i> using in situ solid state voltammetric Au/Hg electrodes. <i>Marine Chemistry</i> , 2000, 70, 171-180.	0.9	52
728	Phototrophs in high iron microbial mats: microstructure of mats in iron-depositing hot springs. <i>FEMS Microbiology Ecology</i> , 2000, 32, 181-196.	1.3	94
729	Isolation of U(VI) reduction-deficient mutants of <i>Shewanella putrefaciens</i> . <i>FEMS Microbiology Letters</i> , 2000, 184, 143-148.	0.7	85
730	OH radical-initiated oxidation of organic compounds in atmospheric water phases: part 2. Reactions of peroxy radicals with transition metals. <i>Atmospheric Environment</i> , 2000, 34, 4253-4264.	1.9	29

#	ARTICLE	IF	CITATIONS
731	Atmospheric water: transformation of ozone into OH-radicals by sensitized photoreactions or black carbon. <i>Atmospheric Environment</i> , 2000, 34, 1069-1085.	1.9	25
732	Downstream composition changes of acidic volcanic waters discharged into the Banyupahit stream, Ijen caldera, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 97, 55-75.	0.8	72
733	Fe(III) reduction activity and cytochrome content of <i>Shewanella putrefaciens</i> grown on ten compounds as sole terminal electron acceptor. <i>Microbiological Research</i> , 2000, 155, 87-94.	2.5	25
734	Concurrent nitrate and Fe(III) reduction during anaerobic biodegradation of phenols in a sandstone aquifer. <i>Journal of Contaminant Hydrology</i> , 2000, 44, 275-300.	1.6	12
735	Characterization of redox conditions in groundwater contaminant plumes. <i>Journal of Contaminant Hydrology</i> , 2000, 45, 165-241.	1.6	413
736	Temporal Variability of Iron Speciation in Coastal Rainwater. <i>Journal of Atmospheric Chemistry</i> , 2000, 37, 185-205.	1.4	40
737	Dissolved Aluminum in the Upper St. Lawrence Estuary. <i>Journal of Oceanography</i> , 2000, 56, 517-525.	0.7	30
738	Kinetics of Fe(III) Reduction by Ascorbic Acid in Aqueous Solutions. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1569-1573.	2.4	60
739	Dechlorination of Carbon Tetrachloride by Fe(II) Associated with Goethite. <i>Environmental Science & Technology</i> , 2000, 34, 4606-4613.	4.6	296
740	Iron, Sulfur, and Carbon Diagenesis in Sediments of Tomales Bay, California. <i>Estuaries and Coasts</i> , 2000, 23, 1.	1.7	25
741	Metals and grain size distributions in soil of the middle Rio Grande basin, Texas USA. <i>Environmental Geology</i> , 2000, 39, 698-704.	1.2	16
742	Effect of Aluminum on the Production of Siderophore by <i>Rhizobium</i> sp. (<i>Cicer arietinum</i>). <i>Current Microbiology</i> , 2000, 41, 5-10.	1.0	30
743	A comparative study of iron and manganese diagenesis in continental slope and deep sea basin sediments off Uruguay (SW Atlantic). <i>International Journal of Earth Sciences</i> , 2000, 88, 619-629.	0.9	38
744	The influence of deposit-feeding on chlorophyll- <i>a</i> degradation in coastal marine sediments. <i>Journal of Marine Research</i> , 2000, 58, 631-651.	0.3	44
745	Anoxia, Anaerobic Metabolism, and Biogeochemistry of the Stream-water-Ground-water Interface. , 2000, , 259-283.		35
747	Diurnal variation of <i>Aureococcus anophagefferens</i> (aureoumbra lagunensis) in relation to metals. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2000, 35, 1077-1088.	0.9	2
748	Role of Molybdate and Other Transition Metals in the Accumulation of Protochelin by <i>Azotobacter vinelandii</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 1580-1586.	1.4	46
749	Identification of the [Fe-S] Cluster-binding Residues of <i>Escherichia coli</i> Biotin Synthase. <i>Journal of Biological Chemistry</i> , 2000, 275, 13888-13894.	1.6	28

#	ARTICLE	IF	CITATIONS
750	REDUCTION OF CHROMIUM(VI) TO CHROMIUM(V) BY HUMAN MICROSOMAL ENZYMES: EFFECTS OF IRON AND QUINONES. <i>Toxic Substance Mechanisms</i> , 2000, 19, 25-51.	0.3	30
751	A new in situ chemical analyzer for mapping coastal nutrient distributions in real time. , 0, , .		7
752	Reduction of Fe(III), Cr(VI), U(VI), and Tc(VII) by <i>Deinococcus radiodurans</i> R1. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2006-2011.	1.4	276
753	Cloning and Characterization of <i>vuuA</i> , a Gene Encoding the <i>Vibrio vulnificus</i> Ferric Vulnibactin Receptor. <i>Infection and Immunity</i> , 2000, 68, 526-534.	1.0	78
754	Accurate and rapid modeling of iron-bleomycin-induced DNA damage using tethered duplex oligonucleotides and electrospray ionization ion trap mass spectrometric analysis. <i>Nucleic Acids Research</i> , 2000, 28, 1978-1985.	6.5	31
755	Changes in the blood biochemical and haematological profile of neonatal calves with age. <i>Veterinary Record</i> , 2000, 147, 593-598.	0.2	178
756	Dissimilatory Metal Reduction by the Facultative Anaerobe <i>Pantoea agglomerans</i> SP1. <i>Applied and Environmental Microbiology</i> , 2000, 66, 543-548.	1.4	144
757	The Reactivity of Iron. , 2000, , 233-261.		13
758	Evidence for Microbial Fe(III) Reduction in Anoxic, Mining-Impacted Lake Sediments (Lake Coeur d'Alene,) Tj ETQq0,0,0 rgBT /Overlock 1	1.4	123
759	Effect of a Prolonged Superoxide Flux on Transferrin and Ferritin. <i>Archives of Biochemistry and Biophysics</i> , 2000, 382, 253-261.	1.4	30
760	Zinc Immobilization and Magnetite Formation via Ferric Oxide Reduction by <i>Shewanella putrefaciens</i> 200. <i>Environmental Science & Technology</i> , 2000, 34, 100-106.	4.6	113
761	Microbiological and Geochemical Characterization of Microbial Fe(III) Reduction in Salt Marsh Sediments. <i>Geomicrobiology Journal</i> , 2000, 17, 163-178.	1.0	72
762	Relation of enhanced Pb solubility to Fe partitioning in soils. <i>Environmental Pollution</i> , 2000, 110, 515-522.	3.7	23
763	Trace metal remobilization following the resuspension of estuarine sediments: Saguenay Fjord, Canada. <i>Applied Geochemistry</i> , 2000, 15, 191-210.	1.4	150
764	The ferrozine method revisited: Fe(II)/Fe(III) determination in natural waters. <i>Applied Geochemistry</i> , 2000, 15, 785-790.	1.4	1,086
765	Simple spectrophotometric determination of Fe in oxalate and HCl soil extracts. <i>Talanta</i> , 2000, 51, 701-707.	2.9	27
766	Formation of a distinct class of Fe-Ca-Corg-rich particles in a complex peat-karst system. <i>Journal of Hydrology</i> , 2000, 237, 234-247.	2.3	38
767	Cobalt-substituted Fe-type nitrile hydratase of <i>Rhodococcus</i> sp. N-771. <i>FEBS Letters</i> , 2000, 465, 173-177.	1.3	51

#	ARTICLE	IF	CITATIONS
768	Ligand-induced dissolution and release of ferrihydrite colloids. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 2027-2037.	1.6	58
769	Reduction of U(VI) in goethite (α -FeOOH) suspensions by a dissimilatory metal-reducing bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3085-3098.	1.6	309
770	The depletion and regeneration of dissolution-active sites at the mineral-water interface. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3471-3484.	1.6	35
771	The fate of ammonium in anoxic manganese oxide-rich marine sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 4157-4164.	1.6	126
772	Speciation, reactivity, and cycling of Fe and Pb in a meromictic lake. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 169-183.	1.6	97
773	Reduction of Mn-oxides by ferrous iron in a flow system: column experiment and reactive transport modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1237-1247.	1.6	153
774	Pore water distributions of dissolved copper and copper-complexing ligands in estuarine and coastal marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1843-1857.	1.6	85
775	Early diagenesis of germanium in sediments of the Antarctic South Atlantic: in search of the missing Ge sink. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1375-1390.	1.6	91
776	Redox. , 2000, , .		33
777	Interaction between 6-Hydroxydopamine and Transferrin: A Let My Iron Go. <i>Biochemistry</i> , 2000, 39, 3392-3400.	1.2	42
778	Microbial Manganese and Sulfate Reduction in Black Sea Shelf Sediments. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2888-2897.	1.4	161
779	pH Dependence on Reduction Rate of 4-Cl-Nitrobenzene by Fe(II)/Montmorillonite Systems. <i>Environmental Science & Technology</i> , 2000, 34, 3641-3648.	4.6	65
780	Inhibition of Bacterially Promoted Uranium Reduction: Ferric (Hydr)oxides as Competitive Electron Acceptors. <i>Environmental Science & Technology</i> , 2000, 34, 2190-2195.	4.6	90
781	<i>Escherichia coli</i> LipA Is a Lipoyl Synthase: In Vitro Biosynthesis of Lipoylated Pyruvate Dehydrogenase Complex from Octanoyl-Acyl Carrier Protein. <i>Biochemistry</i> , 2000, 39, 15166-15178.	1.2	199
782	Chromium Transformations in Natural Environments: The Role of Biological and Abiological Processes in Chromium(VI) Reduction. <i>International Geology Review</i> , 2000, 42, 691-701.	1.1	214
783	Reactivity of Freshly Formed Fe(III) in Synthetic Solutions and (Pore)Waters: Voltammetric Evidence of an Aging Process. <i>Environmental Science & Technology</i> , 2000, 34, 2169-2177.	4.6	126
784	Ascorbic Acid and Ascorbic Acid 6-Palmitate Induced Oxidation in Egg Yolk Dispersions. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1564-1568.	2.4	13
785	Bacterial Reductive Dissolution of Crystalline Fe(III) Oxide in Continuous-Flow Column Reactors. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1062-1065.	1.4	124

#	ARTICLE	IF	CITATIONS
786	Steady-State Kinetic Mechanism of Recombinant Avocado ACC Oxidase: Initial Velocity and Inhibitor Studies. <i>Biochemistry</i> , 2000, 39, 10730-10738.	1.2	38
787	Mobilization of Arsenite by Dissimilatory Reduction of Adsorbed Arsenate. <i>Environmental Science & Technology</i> , 2000, 34, 4747-4753.	4.6	364
788	Black shale deposition and faunal overturn in the Devonian Appalachian Basin: Clastic starvation, seasonal water-column mixing, and efficient biolimiting nutrient recycling. <i>Paleoceanography</i> , 2000, 15, 280-291.	3.0	327
789	Organic matter degradation through oxygen respiration, denitrification, and manganese, iron, and sulfate reduction in marine sediments (the Kattegat and the Skagerrak). <i>Ophelia</i> , 2001, 55, 77-91.	0.3	61
790	Synthesis and Characterization of Soluble Iron Oxide Dendrimer Composites. <i>Chemistry of Materials</i> , 2001, 13, 2201-2209.	3.2	189
791	Diuron Degradation in Irradiated, Heterogeneous Iron/Oxalate Systems: The Rate-Determining Step. <i>Environmental Science & Technology</i> , 2001, 35, 3314-3320.	4.6	134
792	Quinolinic acid Iron(II) complexes: Slow autoxidation, but enhanced hydroxyl radical production in the Fenton reaction. <i>Free Radical Research</i> , 2001, 34, 445-459.	1.5	78
793	Characterization of a <i>Vibrio vulnificus</i> LysR homologue, HupR, which regulates expression of the haem uptake outer membrane protein, HupA. <i>Microbial Pathogenesis</i> , 2001, 31, 295-307.	1.3	34
794	CAS agar diffusion assay for the measurement of siderophores in biological fluids. <i>Journal of Microbiological Methods</i> , 2001, 44, 89-95.	0.7	135
795	A seasonal study of the significance of N ₂ fixation by <i>Trichodesmium</i> spp. at the Bermuda Atlantic Time-series Study (BATS) site. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 1583-1608.	0.6	194
796	Microbial degradation of simulated landfill leachate: solid iron/sulfur interactions. <i>Journal of Environmental Management</i> , 2001, 5, 103-116.	1.7	16
797	Solubilization of Fe(III) oxide-bound trace metals by a dissimilatory Fe(III) reducing bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 75-93.	1.6	223
798	Kinetics of reductive bulk dissolution of lepidocrocite, ferrihydrite, and goethite. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 1367-1379.	1.6	227
799	Methanogenesis in a shallow sandy aquifer, RÅmÅ, Denmark. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2925-2935.	1.6	59
800	Dissimilatory bacterial reduction of Al-substituted goethite in subsurface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2913-2924.	1.6	98
801	Interaction between iron and <i>Pseudomonas aeruginosa</i> biofilms attached to Sepharose surfaces. <i>Chemical Geology</i> , 2001, 180, 67-80.	1.4	40
802	The effect of Fe-oxidizing bacteria on Fe-silicate mineral dissolution. <i>Chemical Geology</i> , 2001, 180, 99-115.	1.4	123
803	Study of corrosion material accumulated on the inner wall of steel water pipe. <i>Corrosion Science</i> , 2001, 43, 2065-2081.	3.0	68

#	ARTICLE	IF	CITATIONS
804	Colorimetric flow-injection analysis of dissolved iron in high DOC waters. <i>Water Research</i> , 2001, 35, 363-372.	5.3	33
805	Photochemical oxidation of arsenic by oxygen and iron in acidic solutions. <i>Water Research</i> , 2001, 35, 649-656.	5.3	168
806	Degradation of herbicides in two sandy aquifers under different redox conditions. <i>Chemosphere</i> , 2001, 44, 231-236.	4.2	39
807	Electron-Transfer Reactions of the Reductase Component of Soluble Methane Monooxygenase from <i>Methylococcus capsulatus</i> (Bath)â€. <i>Biochemistry</i> , 2001, 40, 14932-14941.	1.2	44
808	Measurement of Iron(III) Bioavailability in Pure Iron Oxide Minerals and Soils Using Anthraquinone-2,6-disulfonate Oxidation. <i>Environmental Science & Technology</i> , 2001, 35, 4886-4893.	4.6	24
809	Iron Promoted Reduction of Chromate by Dissimilatory Iron-Reducing Bacteria. <i>Environmental Science & Technology</i> , 2001, 35, 522-527.	4.6	259
810	Rapid Arsenite Oxidation by <i>Thermus aquaticus</i> and <i>Thermus thermophilus</i> : Field and Laboratory Investigations. <i>Environmental Science & Technology</i> , 2001, 35, 3857-3862.	4.6	223
811	Reduction of the Carbamate Pesticides Oxamyl and Methomyl by Dissolved Fe and Cu. <i>Environmental Science & Technology</i> , 2001, 35, 2461-2469.	4.6	78
812	Micro sequential injection: fermentation monitoring of ammonia, glycerol, glucose, and free iron using the novel lab-on-valve system. <i>Analyst</i> , 2001, 126, 291-297.	1.7	50
813	Biotransformation of Ni-Substituted Hydrous Ferric Oxide by an Fe(III)-Reducing Bacterium. <i>Environmental Science & Technology</i> , 2001, 35, 703-712.	4.6	83
814	Diel changes in iron concentrations in surface-flow constructed wetlands. <i>Water Science and Technology</i> , 2001, 44, 421-426.	1.2	9
815	The first polyoxomolybdenum carbonate compound: Synthesis and crystal structure of (NH ₄) ₅ [(Mo ₂ VO ₄) ₃ (μ ₆ -CO ₃)(μ-CO ₃) ₃ (μ-OH) ₃]·0.5CH ₃ OH. <i>Dalton Transactions RSC</i> , 2001, , 3419-3420.	2.3	34
816	Biodegradation of soluble aromatic compounds of jet fuel under anaerobic conditions: laboratory batch experiments. <i>Applied Microbiology and Biotechnology</i> , 2001, 57, 572-578.	1.7	10
817	Coping with low nutrient availability and inundation: root growth responses of three halophytic grass species from different elevations along a flooding gradient. <i>Oecologia</i> , 2001, 126, 472-481.	0.9	52
818	Iron reduction by a psychrotolerant Fe(III)-reducing bacterium isolated from ocean sediment. <i>Geosciences Journal</i> , 2001, 5, 183-190.	0.6	11
819	Sulfur and iron speciation in surface sediments along the northwestern margin of the Black Sea. <i>Marine Chemistry</i> , 2001, 74, 261-278.	0.9	102
820	Resuspension-induced partitioning of organic carbon between solid and solution phases from a riverâ€œocean transition. <i>Marine Chemistry</i> , 2001, 76, 155-174.	0.9	48
821	Bacterial and archaeal populations associated with freshwater ferromanganous micronodules and sediments. <i>Environmental Microbiology</i> , 2001, 3, 10-18.	1.8	216

#	ARTICLE	IF	CITATIONS
822	Effects of growth medium composition, iron sources and atmospheric oxygen concentrations on production of luciferase-bacterial magnetic particle complex by a recombinant <i>Magnetospirillum magneticum</i> AMB-1. <i>Enzyme and Microbial Technology</i> , 2001, 29, 13-19.	1.6	141
823	Reactive iron in Black Sea Sediments: implications for iron cycling. <i>Marine Geology</i> , 2001, 172, 167-180.	0.9	120
824	Early diagenetic processes in the muddy sediments of the Bay of Biscay. <i>Marine Geology</i> , 2001, 177, 111-128.	0.9	100
825	Occurrence of iron-reducing compounds in biodelignified "palo podrido" wood samples. <i>International Biodeterioration and Biodegradation</i> , 2001, 47, 203-208.	1.9	20
826	Effects and risk assessment of linear alkylbenzene sulfonates in agricultural soil. 1. Short-term effects on soil microbiology. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1656-1663.	2.2	88
827	Iron ion-selective electrodes for direct potentiometry and potentiometry in pharmaceuticals. <i>Analytica Chimica Acta</i> , 2001, 436, 199-206.	2.6	64
828	Gas-segmented continuous flow analysis of iron in water with a long liquid waveguide capillary flow cell. <i>Analytica Chimica Acta</i> , 2001, 438, 49-57.	2.6	50
829	Soil reduction-oxidation potential along a nutrient-enrichment gradient in the Everglades. <i>Wetlands</i> , 2001, 21, 403-411.	0.7	20
830	<i>Entamoeba histolytica</i> : Transferrin Binding Proteins. <i>Experimental Parasitology</i> , 2001, 99, 132-140.	0.5	23
831	Chlorate Transport through Ion-Exchange Membranes. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 421-428.	1.5	4
832	Adsorption and Desorption of Phosphate on Calcite and Aragonite in Seawater. <i>Aquatic Geochemistry</i> , 2001, 7, 33-56.	1.5	183
833	Sedimentary Carbon, Sulfur, and Iron Relationships in Modern and Ancient Diagenetic Environments of the Eel River Basin (U.S.A.). <i>Journal of Sedimentary Research</i> , 2001, 71, 335-345.	0.8	17
834	Fate of the Herbicides 2,4,5-T, Atrazine, and DNOC in a Shallow, Anaerobic Aquifer Investigated by In Situ Passive Diffusive Emitters and Laboratory Batch Experiments. <i>Ground Water</i> , 2001, 39, 819-830.	0.7	16
835	Characterization of Iron and Manganese Precipitates from an In Situ Ground Water Treatment Plant. <i>Ground Water</i> , 2001, 39, 921-930.	0.7	36
836	Ferrous iron oxidation by denitrifying bacteria in profundal sediments of a deep lake (Lake Constance). <i>FEMS Microbiology Ecology</i> , 2001, 37, 127-134.	1.3	98
837	High prokaryote diversity and analysis of community structure in mobile mud deposits off French Guiana: identification of two new bacterial candidate divisions. <i>FEMS Microbiology Ecology</i> , 2001, 37, 197-209.	1.3	52
838	Iron speciation in coastal rainwater: concentration and deposition to seawater. <i>Marine Chemistry</i> , 2001, 73, 83-95.	0.9	88
839	Relation between serum lipoperoxide concentrations and iron or copper status over one year in Cuban adult men. <i>Journal of Trace Elements in Medicine and Biology</i> , 2001, 15, 24-30.	1.5	2

#	ARTICLE	IF	CITATIONS
840	Chemical speciation drives hydrothermal vent ecology. <i>Nature</i> , 2001, 410, 813-816.	13.7	337
841	Iron speciation and hydrogen peroxide concentrations in New Zealand rainwater. <i>Atmospheric Environment</i> , 2001, 35, 6041-6048.	1.9	41
842	Superparamagnetic gel as a novel material for electromagnetically induced hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 225, 109-112.	1.0	120
843	Chromate Reduction by a <i>Pseudomonad</i> Isolated from a Site Contaminated with Chromated Copper Arsenate. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1076-1084.	1.4	352
844	Antioxidant activity of Ferrozine-iron amino acid complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 451-456.	3.3	29
845	Stable Hydrogen and Carbon Isotope Fractionation during Microbial Toluene Degradation: Mechanistic and Environmental Aspects. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4842-4849.	1.4	146
846	Why multiple small subunits (Y2 and Y4) for yeast ribonucleotide reductase? Toward understanding the role of Y4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10067-10072.	3.3	37
847	Suboxic Deposition of Ferric Iron by Bacteria in Opposing Gradients of Fe(II) and Oxygen at Circumneutral pH. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1328-1334.	1.4	117
848	Factors affecting seasonal and vertical variations in the methanogenic activity in paddy soil determined by the addition of methanogenic substrates. <i>Soil Science and Plant Nutrition</i> , 2002, 48, 315-324.	0.8	5
849	Intracellular Iron Minerals in a Dissimilatory Iron-Reducing Bacterium. <i>Science</i> , 2002, 295, 117-119.	6.0	150
850	Influence of Biogenic Fe(II) on Bacterial Crystalline Fe(III) Oxide Reduction. <i>Geomicrobiology Journal</i> , 2002, 19, 209-251.	1.0	220
851	Isolation and Characterization of Metal-Reducing <i>Thermoanaerobacter</i> Strains from Deep Subsurface Environments of the Piceance Basin, Colorado. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6013-6020.	1.4	136
852	Direct inhibition by nitric oxide of the transcriptional ferric uptake regulation protein via nitrosylation of the iron. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16619-16624.	3.3	162
853	Dissolved Iron Cycling in the Subterranean Estuary of a Coastal Bay: Waquoit Bay, Massachusetts. <i>Biological Bulletin</i> , 2002, 203, 255-256.	0.7	51
854	Neutrophilic Fe-Oxidizing Bacteria Are Abundant at the Loihi Seamount Hydrothermal Vents and Play a Major Role in Fe Oxide Deposition. <i>Applied and Environmental Microbiology</i> , 2002, 68, 3085-3093.	1.4	406
855	The Chelatable Iron Pool in Living Cells: A Methodically Defined Quantity. <i>Biological Chemistry</i> , 2002, 383, 489-502.	1.2	184
856	Microbial Iron Respiration Can Protect Steel from Corrosion. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1440-1445.	1.4	183
857	Dissimilatory Fe(III) and Mn(IV) Reduction by <i>Shewanella putrefaciens</i> Requires ferE, a Homolog of the pulE (gspE) Type II Protein Secretion Gene. <i>Journal of Bacteriology</i> , 2002, 184, 142-151.	1.0	149

#	ARTICLE	IF	CITATIONS
858	Influence of Tropolone on <i>Poria placenta</i> Wood Degradation. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4377-4382.	1.4	34
859	Recent turbidite deposition in the eastern Atlantic: Early diagenesis and biotic recovery. <i>Journal of Marine Research</i> , 2002, 60, 835-854.	0.3	68
860	Iron-sulfur-phosphorus cycling in the sediments of a shallow coastal bay: Implications for sediment nutrient release and benthic macroalgal blooms. <i>Limnology and Oceanography</i> , 2002, 47, 1346-1354.	1.6	326
861	Antioxidant protection against iron in children with meningococcal sepsis. <i>Critical Care Medicine</i> , 2002, 30, 1623-1629.	0.4	3
862	The rates and pathways of carbon oxidation in bioturbated saltmarsh sediments. <i>Limnology and Oceanography</i> , 2002, 47, 230-240.	1.6	170
863	Comparison of Redox Indicators in a Paddy Soil during Rice-Growing Season. <i>Soil Science Society of America Journal</i> , 2002, 66, 805-817.	1.2	66
864	Chromium Speciation in Rainwater: Temporal Variability and Atmospheric Deposition. <i>Environmental Science & Technology</i> , 2002, 36, 5321-5327.	4.6	142
865	Dissipation of the Herbicide [14C]Dimethenamid under Anaerobic Conditions in Flooded Soil Microcosms. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 1483-1491.	2.4	15
866	Feasibility study of long-term continuous field measurement of soil redox potential. <i>Communications in Soil Science and Plant Analysis</i> , 2002, 33, 695-709.	0.6	24
867	Indirect Determination of the Rate of Iron Uptake into the Apoprotein of the Ribonucleotide Reductase of <i>E. coli</i> . <i>Biochemistry</i> , 2002, 41, 3984-3990.	1.2	11
868	Evidence for a Dynamic Cycle between Mn and Co in the Water Column of a Stratified Lake. <i>Environmental Science & Technology</i> , 2002, 36, 468-476.	4.6	44
869	Expression and Characterization of Ferredoxin and Flavin Adenine Dinucleotide Binding Domains of the Reductase Component of Soluble Methane Monooxygenase from <i>Methylococcus capsulatus</i> (Bath). <i>Biochemistry</i> , 2002, 41, 15780-15794.	1.2	35
870	Phytoplankton-Mediated Redox Cycle of Iron in the Epilimnion of Lake Kinneret. <i>Environmental Science & Technology</i> , 2002, 36, 460-467.	4.6	23
871	Cysteine-Mediated Reductive Dissolution of Poorly Crystalline Iron(III) Oxides by <i>Geobacter sulfurreducens</i> . <i>Environmental Science & Technology</i> , 2002, 36, 2939-2945.	4.6	101
872	Reduction of the Pesticides Oxamyl and Methomyl by Fe(II): Effect of pH and Inorganic Ligands. <i>Environmental Science & Technology</i> , 2002, 36, 653-661.	4.6	51
873	An integrated assessment of a "type euxinic" deposit: Evidence for multiple controls on black shale deposition in the middle Devonian Oatka Creek formation. <i>Numerische Mathematik</i> , 2002, 302, 110-143.	0.7	184
874	Enhancement of Biological Reduction of Hematite by Electron Shuttling and Fe(II) Complexation. <i>Environmental Science & Technology</i> , 2002, 36, 1939-1946.	4.6	160
875	Fulvic Acid Oxidation State Detection Using Fluorescence Spectroscopy. <i>Environmental Science & Technology</i> , 2002, 36, 3170-3175.	4.6	141

#	ARTICLE	IF	CITATIONS
876	Enhancement of Hematite Bioreduction by Natural Organic Matter. <i>Environmental Science & Technology</i> , 2002, 36, 2897-2904.	4.6	113
877	Selective Photocatalytic Oxidation of NH ₃ to N ₂ on Platinized TiO ₂ in Water. <i>Environmental Science & Technology</i> , 2002, 36, 5462-5468.	4.6	168
878	Sulfur Disproportionation by the Facultative Anaerobe <i>Pantoea agglomerans</i> SP1 as a Mechanism for Chromium(VI) Reduction. <i>Geomicrobiology Journal</i> , 2002, 19, 121-132.	1.0	24
879	Carbon Tetrachloride Transformation in a Model Iron-Reducing Culture: Relative Kinetics of Biotic and Abiotic Reactions. <i>Environmental Science & Technology</i> , 2002, 36, 403-410.	4.6	130
880	The effect of low molecular weight chelators on iron chelation and free radical generation as studied by ESR measurement. <i>Chemosphere</i> , 2002, 48, 21-28.	4.2	33
881	Biogeochemical controls on reaction of sedimentary organic matter and aqueous sulfides in holocene sediments of Mud Lake, Florida. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 937-954.	1.6	56
882	Dynamics of redox potential and changes in redox state of iron and humic acids during gut passage in soil-feeding termites (<i>Cubitermes</i> spp.). <i>Soil Biology and Biochemistry</i> , 2002, 34, 221-227.	4.2	46
883	Anaerobic microbial biogeochemistry in a northern bog: Acetate as a dominant metabolic end product. <i>Global Biogeochemical Cycles</i> , 2002, 16, 11-1-11-9.	1.9	147
884	Oxidative precipitation of groundwater-derived ferrous iron in the subterranean estuary of a coastal bay. <i>Geophysical Research Letters</i> , 2002, 29, 85-1-85-4.	1.5	266
885	Middle Proterozoic ocean chemistry: Evidence from the McArthur Basin, northern Australia. <i>Numerische Mathematik</i> , 2002, 302, 81-109.	0.7	234
886	Correlations between the Mn/Ca ratio in stemflow and epiphytic lichen abundance in a dieback-affected spruce forest of the Harz Mountains, Germany. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2002, 197, 361-369.	0.6	29
887	Live benthic foraminiferal faunas from the Bay of Biscay: faunal density, composition, and microhabitats. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 751-785.	0.6	417
888	A review of spectroscopic methods for characterizing microbial transformations of minerals. <i>Journal of Microbiological Methods</i> , 2002, 51, 125-139.	0.7	27
889	Modification of Fully Automated Total Iron-binding Capacity (TIBC) Assay in Serum and Comparison with Dimension TIBC Method. <i>Clinical Chemistry</i> , 2002, 48, 1565-1570.	1.5	23
890	Bioavailable colloidal iron in river water originated from the forest. <i>Marine and Freshwater Research</i> , 2002, 53, 43.	0.7	6
891	Nutrients contributed by old and new ground water to the Shingobee River MN, USA. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2002, 28, 410-416.	0.1	0
892	Fe redox cycling in Iberian continental margin sediments (NE Atlantic). <i>Journal of Marine Research</i> , 2002, 60, 855-886.	0.3	10
893	On the oxidation and burial of organic carbon in sediments of the Iberian margin and Nazaré Canyon (NE Atlantic). <i>Progress in Oceanography</i> , 2002, 52, 399-431.	1.5	110

#	ARTICLE	IF	CITATIONS
894	Gradients of benthic-pelagic coupling and carbon budgets in the Adriatic and Northern Ionian Sea. <i>Journal of Marine Systems</i> , 2002, 33-34, 365-387.	0.9	78
895	The influence of sulfides on soluble organic-Fe(III) in anoxic sediment porewaters. <i>Estuaries and Coasts</i> , 2002, 25, 1088-1096.	1.7	48
896	Speciation of Fe(II) and Fe(III) by the modified ferrozine method, FIA-spectrophotometry, and flame AAS after cloud-point extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 237-243.	1.9	72
897	The multicopper oxidase of <i>Pseudomonas aeruginosa</i> is a ferroxidase with a central role in iron acquisition. <i>Molecular Microbiology</i> , 2002, 45, 1741-1750.	1.2	95
898	Application of the continuous variation method to cooperative interactions: mechanism of Fe(II)-ferrozine chelation and conditions leading to anomalous binding ratios. <i>Biophysical Chemistry</i> , 2002, 100, 143-149.	1.5	38
899	Distributions of dissolved titanium in porewaters of estuarine and coastal marine sediments. <i>Marine Chemistry</i> , 2002, 77, 109-122.	0.9	30
900	The distribution of Mo, U, and Cd in relation to major redox species in muddy sediments of the Bay of Biscay. <i>Marine Chemistry</i> , 2002, 80, 41-59.	0.9	145
901	Relationship between mineralization of synthetic lignins and the generation of hydroxyl radicals by laccase and a low molecular weight substance produced by <i>Petriellidium fusoideum</i> . <i>Enzyme and Microbial Technology</i> , 2002, 30, 474-481.	1.6	13
902	Authigenic P formation and reactive P burial in sediments of the Nazaré canyon on the Iberian margin (NE Atlantic). <i>Marine Geology</i> , 2002, 185, 379-392.	0.9	65
903	Paleoceanographic significance of sediment color on western North Atlantic drifts: I. Origin of color. <i>Marine Geology</i> , 2002, 189, 25-41.	0.9	78
904	In situ osmotic analyzer for the year-long continuous determination of Fe in hydrothermal systems. <i>Analytica Chimica Acta</i> , 2002, 463, 265-274.	2.6	37
905	Physiological Properties and Phylogenetic Affiliations of Anaerobic Bacteria Isolated from Roots of Rice Plants Cultivated on a Paddy Field. <i>Anaerobe</i> , 2002, 8, 233-246.	1.0	36
906	The Influence of Water Column Hypoxia on the Behaviour of Manganese and Iron in Sandy Coastal Marine Sediment. <i>Estuarine, Coastal and Shelf Science</i> , 2002, 55, 645-654.	0.9	81
907	Photochemical Reactivity of Ferritin for Cr(VI) Reduction. <i>Chemistry of Materials</i> , 2002, 14, 4874-4879.	3.2	59
908	The significance of stemflow chemistry for epiphytic lichen diversity in a dieback-affected spruce forest on Mt Brocken, northern Germany. <i>Lichenologist</i> , 2002, 34, 415-427.	0.5	39
909	Dissolved and particulate phosphorus forms in a eutrophic shallow lake. , 2002, 64, 97-105.		40
910	Metal chelating properties of pyridine-2,6-bis(thiocarboxylic acid) produced by <i>Pseudomonas</i> spp. and the biological activities of the formed complexes. <i>BioMetals</i> , 2002, 15, 103-120.	1.8	59
911	Solubility of Siderite (FeCO ₃) in NaCl Solutions. <i>Journal of Solution Chemistry</i> , 2002, 31, 97-108.	0.6	49

#	ARTICLE	IF	CITATIONS
912	Reduction and transport of Fe from siderophores. <i>Plant and Soil</i> , 2002, 241, 27-33.	1.8	32
913	Determination of Soluble Iron Species in Seawater Using Ferrozine. <i>Journal of Analytical Chemistry</i> , 2002, 57, 586-589.	0.4	19
914	Title is missing!. <i>Hydrobiologia</i> , 2002, 472, 67-76.	1.0	22
915	Title is missing!. <i>Biogeochemistry</i> , 2002, 60, 49-76.	1.7	146
916	Title is missing!. <i>Water, Air and Soil Pollution</i> , 2002, 2, 81-96.	0.8	38
917	Title is missing!. <i>Water, Air and Soil Pollution</i> , 2002, 2, 141-152.	0.8	36
918	Pyritization of Iron in Sediments from the Continental Slope of the Northern Gulf of Mexico. <i>Aquatic Geochemistry</i> , 2002, 8, 3-13.	1.5	12
919	Title is missing!. <i>Hydrobiologia</i> , 2002, 485, 35-49.	1.0	91
920	Decomposition of Hydrogen Peroxide and Organic Compounds in the Presence of Dissolved Iron and Ferrihydrite. <i>Environmental Science & Technology</i> , 2002, 36, 1467-1476.	4.6	337
921	Interactions of Flavonoids with Iron and Copper Ions: A Mechanism for their Antioxidant Activity. <i>Free Radical Research</i> , 2002, 36, 1199-1208.	1.5	797
922	A screening method for detecting iron reducing wood-rot fungi. <i>Biotechnology Letters</i> , 2003, 25, 891-893.	1.1	10
923	Determination of Conjugation Efficiency of Antibodies and Proteins to the Superparamagnetic Iron Oxide Nanoparticles by Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Journal of Nanoparticle Research</i> , 2003, 5, 137-146.	0.8	38
924	Effects of aluminum, iron, oxygen and nitrate additions on phosphorus release from the sediment of a Danish softwater lake. <i>Hydrobiologia</i> , 2003, 492, 139-149.	1.0	87
925	Particle size-related phosphate binding and P-release at the sediment-water interface in a shallow German lake. <i>Hydrobiologia</i> , 2003, 492, 107-118.	1.0	57
926	Title is missing!. <i>Biogeochemistry</i> , 2003, 64, 77-96.	1.7	178
927	Rates and regulation of microbial iron reduction in sediments of the Baltic-North Sea transition. <i>Biogeochemistry</i> , 2003, 65, 295-317.	1.7	101
928	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
929	Sulfur cycling and seagrass (<i>Posidonia oceanica</i>) status in carbonate sediments. <i>Biogeochemistry</i> , 2003, 66, 223-239.	1.7	128

#	ARTICLE	IF	CITATIONS
930	Stability of a 24-meric homopolymer: Comparative studies of assembly-defective mutants of Rhodospirillum rubrum bacterioferritin and the native protein. <i>Protein Science</i> , 2003, 12, 1663-1674.	3.1	23
931	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 143, 23-40.	1.1	139
932	Nitric oxide and peroxynitrite promote complete disruption of the [4Fe-4S] cluster of recombinant human iron regulatory protein 1. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 226-232.	1.1	49
933	Biomining of a poorly crystalline Fe(III) oxide, akaganite, by an anaerobic Fe(III)-reducing bacterium (<i>Shewanella alga</i>) isolated from marine environment. <i>Geosciences Journal</i> , 2003, 7, 217-226.	0.6	23
934	Temporal behavior of manganese and iron in a sandy coastal sediment exposed to water column anoxia. <i>Estuaries and Coasts</i> , 2003, 26, 690-699.	1.7	31
935	Reductive dissolution of goethite and the subsequent transformation of 4-cyanonitrobenzene: Role of ascorbic acid and pH. <i>Aquatic Sciences</i> , 2003, 65, 308-315.	0.6	13
936	Role of the photo-Fenton reaction in the production of hydroxyl radicals and photobleaching of colored dissolved organic matter in a coastal river of the southeastern United States. <i>Aquatic Sciences</i> , 2003, 65, 402-414.	0.6	146
937	Diversity of geobacteraceae species inhabiting metal-polluted freshwater lake sediments ascertained by 16S rDNA analyses. <i>Microbial Ecology</i> , 2003, 46, 257-269.	1.4	127
938	Kinetics of microbially mediated reactions: dissimilatory sulfate reduction in saltmarsh sediments (Sapelo Island, Georgia, USA). <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 1001-1010.	0.9	41
939	Impact of fiddler crabs (<i>Uca</i> spp.) on rates and pathways of benthic mineralization in deposited mangrove shrimp pond waste. <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 289, 59-81.	0.7	77
940	The roles of natural organic matter in chemical and microbial reduction of ferric iron. <i>Science of the Total Environment</i> , 2003, 307, 167-178.	3.9	188
941	The distribution of trace metals in Florida Bay sediments. <i>Marine Pollution Bulletin</i> , 2003, 46, 1420-1433.	2.3	170
942	Sorption of linear alkylbenzene sulfonate to soil components and effects on microbial iron reduction. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 1221-1228.	2.2	26
943	Bead injection spectroscopic flow-through renewable surface sensors with commercial flow cells as an alternative to reusable flow-through sensors. <i>Analytica Chimica Acta</i> , 2003, 482, 209-217.	2.6	19
944	Characterization of depth-related microbial community structure in lake sediment by denaturing gradient gel electrophoresis of amplified 16S rDNA and reversely transcribed 16S rRNA fragments. <i>FEMS Microbiology Ecology</i> , 2003, 46, 147-157.	1.3	70
945	Kinetics of iron complexation by dissolved natural organic matter in coastal waters. <i>Marine Chemistry</i> , 2003, 84, 85-103.	0.9	234
946	Siderophore production by the magnetic bacterium <i>Magnetospirillum magneticum</i> AMB-1. <i>FEMS Microbiology Letters</i> , 2003, 218, 371-375.	0.7	62
947	Evaluation of electron-shuttling compounds in microbial ferric iron reduction. <i>FEMS Microbiology Letters</i> , 2003, 220, 229-233.	0.7	52

#	ARTICLE	IF	CITATIONS
948	In situ growth of <i>Gallionella</i> biofilms and partitioning of lanthanides and actinides between biological material and ferric oxyhydroxides. <i>Geobiology</i> , 2003, 1, 169-178.	1.1	98
949	Pyrite oxidation inhibition by a cross-linked lipid coating. <i>Geochemical Transactions</i> , 2003, 4, 1.	1.8	31
950	Evaluation of the Antioxidant Potential of Hyssop (<i>Hyssopus officinalis</i> L.) and Rosemary (<i>Rosmarinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	99
951	Characterization of Two Tetrachloroethene-Reducing, Acetate-Oxidizing Anaerobic Bacteria and Their Description as <i>Desulfuromonas michiganensis</i> sp. nov. <i>Applied and Environmental Microbiology</i> , 2003, 69, 2964-2974.	1.4	188
952	Adsorption of Phospholipids on Pyrite and Their Effect on Surface Oxidation. <i>Langmuir</i> , 2003, 19, 8787-8792.	1.6	29
953	Microbial Mercury Transformation in Anoxic Freshwater Sediments under Iron-Reducing and Other Electron-Accepting Conditions. <i>Environmental Science & Technology</i> , 2003, 37, 2159-2165.	4.6	111
954	Fe(III) Oxide Reactivity Toward Biological versus Chemical Reduction. <i>Environmental Science & Technology</i> , 2003, 37, 1319-1324.	4.6	250
955	Hydroxyl Radical Production via the Photo-Fenton Reaction in the Presence of Fulvic Acid. <i>Environmental Science & Technology</i> , 2003, 37, 1130-1136.	4.6	175
956	Temporal variability of rainwater iron speciation at the Bermuda Atlantic Time Series Station. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	43
957	Determination of various types of labile atmospheric iron over remote oceans. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	42
958	Microbial Reduction of Structural Fe(III) in Illite and Goethite. <i>Environmental Science & Technology</i> , 2003, 37, 1268-1276.	4.6	128
959	Effect of Coupled Dissolution and Redox Reactions on Cr(VI) Attenuation during Transport in the Sediments under Hyperalkaline Conditions. <i>Environmental Science & Technology</i> , 2003, 37, 3640-3646.	4.6	39
960	Engineering <i>Deinococcus geothermalis</i> for Bioremediation of High-Temperature Radioactive Waste Environments. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4575-4582.	1.4	153
961	Core Formation in <i>Escherichia coli</i> Bacterioferritin Requires a Functional Ferroxidase Center. <i>Biochemistry</i> , 2003, 42, 14047-14056.	1.2	62
962	Photochemical Production of Fe(II) in Rainwater. <i>Environmental Science & Technology</i> , 2003, 37, 4610-4616.	4.6	48
963	Role of a strong oxygen-deficient zone in the preservation and degradation of organic matter: a carbon budget for the continental margins of northwest Mexico and Washington State. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 247-264.	1.6	149
964	Structural and compositional evolution of Cr/Fe solids after indirect chromate reduction by dissimilatory iron-reducing bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 401-412.	1.6	96
965	Controls on Fe reduction and mineral formation by a subsurface bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1277-1288.	1.6	187

#	ARTICLE	IF	CITATIONS
966	Mineral surface catalysis of reactions between FeII and oxime carbamate pesticides. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2775-2791.	1.6	86
967	The behaviour of arsenic in muddy sediments of the Bay of Biscay (France). <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2993-3003.	1.6	95
968	Kinetic and equilibrium Fe isotope fractionation between aqueous Fe(II) and Fe(III). <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4231-4250.	1.6	345
969	Secondary mineralization pathways induced by dissimilatory iron reduction of ferrihydrite under advective flow. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2977-2992.	1.6	561
970	The effects of pH, ionic strength, and iron-fulvic acid interactions on the kinetics of non-photochemical iron transformations. II. The kinetics of thermal reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4079-4089.	1.6	63
971	Characterizing redox status of paddy soils with incorporated rice straw. <i>Geoderma</i> , 2003, 114, 333-353.	2.3	66
972	Characterization of aldehyde ferredoxin oxidoreductase gene defective mutant in <i>Magnetospirillum magneticum</i> AMB-1. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 223-229.	1.0	30
973	Syn depositional formation of Fe-rich clays in tropical shelf sediments, San Blas Archipelago, Panama. <i>Chemical Geology</i> , 2003, 197, 197-213.	1.4	31
974	Application of Fe isotopes to tracing the geochemical and biological cycling of Fe. <i>Chemical Geology</i> , 2003, 195, 87-117.	1.4	524
975	Sulfide oxidation and iron dissolution kinetics during the reaction of dissolved sulfide with ferrihydrite. <i>Chemical Geology</i> , 2003, 202, 79-94.	1.4	164
976	Abiotic reduction of dinitroaniline herbicides. <i>Water Research</i> , 2003, 37, 4191-4201.	5.3	48
977	Effect of phosphate with tumbling on lipid oxidation of precooked roast beef. <i>Meat Science</i> , 2003, 65, 1353-1359.	2.7	31
978	Ethanol- and Fe ²⁺ -induced membrane lipid oxidation is not additive in developing chick brains. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003, 134, 267-279.	1.3	1
979	Generation of the R2 Subunit of Ribonucleotide Reductase by Intein Chemistry: Insertion of 3-Nitrotyrosine at Residue 356 as a Probe of the Radical Initiation Process. <i>Biochemistry</i> , 2003, 42, 14541-14552.	1.2	79
980	Metal stoichiometry and functional studies of the diphtheria toxin repressor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3808-3813.	3.3	53
981	Adsorption and Retention of U-238 and Th-232 from Groundwater Using BIOS. <i>Materials Research Society Symposia Proceedings</i> , 2003, 807, 547.	0.1	1
982	Chemical and Biological Interactions during Nitrate and Goethite Reduction by <i>Shewanella putrefaciens</i> 200. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3517-3525.	1.4	94
983	Molecular Diversity of Denitrifying Genes in Continental Margin Sediments within the Oxygen-Deficient Zone off the Pacific Coast of Mexico. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3549-3560.	1.4	179

#	ARTICLE	IF	CITATIONS
984	Subcellular compartmentalization of human Nfu, an iron-sulfur cluster scaffold protein, and its ability to assemble a [4Fe-4S] cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9762-9767.	3.3	185
985	Natural Attenuation of Cr(VI) Contamination in Laboratory Mesocosms. <i>Geomicrobiology Journal</i> , 2003, 20, 389-401.	1.0	10
986	Immobilized EDDHA and DFOB as Iron Carriers to Cucumber Plants. <i>Journal of Plant Nutrition</i> , 2003, 26, 2043-2056.	0.9	21
987	Characterisation and quantification of phosphorus release from profundal bottom sediments in two dimictic lakes during summer stratification. <i>Journal of Limnology</i> , 2003, 62, 151.	0.3	22
988	Elimination of turbidity interference in serum iron colorimetric assay by enzymatic proteolysis. <i>Brazilian Archives of Biology and Technology</i> , 2003, 46, 469-477.	0.5	1
989	Trophic Transition in a Lake on the Virginia Coastal Plain. <i>Journal of Environmental Quality</i> , 2004, 33, 576-580.	1.0	3
990	Assessing Iron Dynamics in the Release from a Stratified Reservoir. <i>Lake and Reservoir Management</i> , 2004, 20, 65-75.	0.4	3
991	Structures of $\text{[}^3\text{Fe-aminobutyric Acid (GABA) Aminotransferase, a Pyridoxal 5-phosphate, and [2Fe-2S] Cluster-containing Enzyme, Complexed with }^3\text{-Ethynyl-GABA and with the Antiepilepsy Drug Vigabatrin}$. <i>Journal of Biological Chemistry</i> , 2004, 279, 363-373.	1.6	129
992	Magnetosome vesicles are present before magnetite formation, and MamA is required for their activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3839-3844.	3.3	303
993	Spatial Heterogeneity of Microbial and Geochemical Parameters in Gasoline Contaminated Aquifers. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2004, 8, 105-118.	0.4	8
994	Mutations in the R2 Subunit of Ribonucleotide Reductase That Confer Resistance to Hydroxyurea. <i>Journal of Biological Chemistry</i> , 2004, 279, 40723-40728.	1.6	31
995	Influence of Solid Phase Fe(II) on Fe(III) Bioavailability in Aquifer Sediment. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2004, 8, 89-98.	0.4	0
996	Production of 2,5-dimethoxyhydroquinone by the brown-rot fungus <i>Serpula lacrymans</i> to drive extracellular Fenton reaction. <i>Holzforschung</i> , 2004, 58, 305-310.	0.9	38
997	Ferrihydrite-Dependent Growth of <i>Sulfurospirillum deleyianum</i> through Electron Transfer via Sulfur Cycling. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5744-5749.	1.4	114
998	Metabolically Active Eukaryotic Communities in Extremely Acidic Mine Drainage. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6264-6271.	1.4	159
999	Studies of contribution of metals bonded with organic matter of seawater to the fluxes of total dissolved metals across water-sediment interface at Vistula Lagoon of Baltic Sea. , 2004, , .		0
1000	Domain Engineering of the Reductase Component of Soluble Methane Monooxygenase from <i>Methylococcus capsulatus</i> (Bath). <i>Journal of Biological Chemistry</i> , 2004, 279, 5630-5640.	1.6	21
1001	Sulfate Respiration in Extreme Environments: A Kinetic Study. <i>Geomicrobiology Journal</i> , 2004, 21, 33-43.	1.0	29

#	ARTICLE	IF	CITATIONS
1002	Change in Bacterial Community Structure during In Situ Biostimulation of Subsurface Sediment Cocontaminated with Uranium and Nitrate. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4911-4920.	1.4	260
1003	Aqueous and Mineral Intrinsic Bioremediation Assessment: Natural Attenuation. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 942-950.	0.7	10
1004	Apoplastic pH and FeIII reduction in young sunflower (<i>Helianthus annuus</i>) roots. <i>Physiologia Plantarum</i> , 2004, 122, 95-106.	2.6	38
1005	Investigations on cyanobacterial diversity in a shallow estuary (Southern Baltic Sea) including genes relevant to salinity resistance and iron starvation acclimation. <i>Environmental Microbiology</i> , 2004, 6, 377-387.	1.8	27
1006	Iron reduction in the metal-rich guts of wood-feeding termites. <i>Geobiology</i> , 2004, 2, 239-247.	1.1	35
1007	EFFECT OF ASCORBIC ACID WITH TUMBLING ON LIPID OXIDATION OF PRECOOKED ROAST BEEF. <i>Journal of Muscle Foods</i> , 2004, 15, 83-93.	0.5	10
1008	Laboratory Comparison of Polyethylene and Dialysis Membrane Diffusion Samplers. <i>Ground Water Monitoring and Remediation</i> , 2004, 24, 53-59.	0.6	19
1009	Construction of bacterial artificial chromosome library from electrochemical microorganisms. <i>FEMS Microbiology Letters</i> , 2004, 238, 65-70.	0.7	17
1010	Iron limitation of phytoplankton in an urbanized vs. forested southeastern U.S. salt marsh estuary. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 298, 233-254.	0.7	26
1011	Fenton immobilized photo-assisted catalysis through a Fe/C structured fabric. <i>Applied Catalysis B: Environmental</i> , 2004, 49, 39-50.	10.8	88
1012	Effects of Rainwater Iron and Hydrogen Peroxide on Iron Speciation and Phytoplankton Growth in Seawater near Bermuda. <i>Journal of Atmospheric Chemistry</i> , 2004, 47, 209-222.	1.4	11
1013	Effect of phosphate on bacterioferritin-catalysed iron(II) oxidation. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 161-170.	1.1	39
1014	Identification of iron-reducing <i>Thermus</i> strains as <i>Thermus scotoductus</i> . <i>Extremophiles</i> , 2004, 8, 37-44.	0.9	45
1015	Räumlich-statistische Charakterisierung der Hydrogeochemie einer BTEX-Grundwasserkontamination am Standort RETZINA/Zeitz. <i>Grundwasser</i> , 2004, 9, 21-32.	1.4	11
1016	Nickel, Copper, Zinc and Cadmium Cycling with Manganese in Lake Vanda (Wright Valley, Antarctica). <i>Aquatic Geochemistry</i> , 2004, 10, 303-323.	1.5	19
1017	Sulfate reduction and porewater chemistry in a gulf coast <i>Juncus roemerianus</i> (Needlerush) marsh. <i>Estuaries and Coasts</i> , 2004, 27, 472-481.	1.7	17
1018	Geochemical control of microbial Fe(III) reduction potential in wetlands: comparison of the rhizosphere to non-rhizosphere soil. <i>FEMS Microbiology Ecology</i> , 2004, 48, 89-100.	1.3	142
1019	Ferrihydrite reduction by <i>Geobacter</i> species is stimulated by secondary bacteria. <i>Archives of Microbiology</i> , 2004, 182, 175-81.	1.0	27

#	ARTICLE	IF	CITATIONS
1020	Escherichia coli Hmp, an oxygen-binding flavohaemoprotein, produces superoxide anion and self-destructs. Archives of Microbiology, 2004, 182, 193-203.	1.0	26
1021	Iron analysis in atmospheric water samples by atomic absorption spectroscopy (AAS) in water/methanol. Analytical and Bioanalytical Chemistry, 2004, 378, 460-464.	1.9	16
1022	Combining in Situ Reverse Transcriptase Polymerase Chain Reaction, Optical Microscopy, and X-ray Photoelectron Spectroscopy to Investigate Mineral Surface-Associated Microbial Activities. Microbial Ecology, 2004, 48, 578-588.	1.4	20
1023	Determination of bioavailable Fe(III) content in column experiments with the reactive tracer phosphate. Environmental Geology, 2004, 46, 896-904.	1.2	3
1024	Electron shuttling via humic acids in microbial iron(III) reduction in a freshwater sediment. FEMS Microbiology Ecology, 2004, 47, 85-92.	1.3	313
1025	Design of 16S rRNA-targeted oligonucleotide probes for detecting cultured and uncultured archaeal lineages in high-temperature environments. Environmental Microbiology, 2004, 6, 170-182.	1.8	20
1026	Reaction of hydroquinone with hematite. Journal of Colloid and Interface Science, 2004, 274, 442-450.	5.0	24
1027	Coupling between sedimentary dynamics, early diagenetic processes, and biogeochemical cycling in the Amazonian Guianas mobile mud belt: coastal French Guiana. Marine Geology, 2004, 208, 331-360.	0.9	104
1028	Tchnetium reduction in sediments of a shallow aquifer exhibiting dissimilatory iron reduction potential. FEMS Microbiology Ecology, 2004, 49, 151-162.	1.3	76
1029	Effect of Transferrin on Enhancing Bioavailability of Iron. Bioscience, Biotechnology and Biochemistry, 2004, 68, 578-583.	0.6	1
1030	New insights into iron release from ferritin: direct observation of the neurotoxin 6-hydroxydopamine entering ferritin and reaching redox equilibrium with the iron core. Organic and Biomolecular Chemistry, 2004, 2, 2346.	1.5	26
1031	Inhibition of Biological Reductive Dissolution of Hematite by Ferrous Iron. Environmental Science & Technology, 2004, 38, 187-193.	4.6	58
1032	Abiotic Transformation of Hexahydro-1,3,5-trinitro-1,3,5-triazine by Fe(II) Bound to Magnetite. Environmental Science & Technology, 2004, 38, 1408-1414.	4.6	135
1033	Protein-Template-Driven Formation of Polynuclear Iron Species. Journal of the American Chemical Society, 2004, 126, 496-504.	6.6	23
1034	Photooxidation and Its Effects on the Carboxyl Content of Dissolved Organic Matter in Two Coastal Rivers in the Southeastern United States. Environmental Science & Technology, 2004, 38, 4113-4119.	4.6	120
1035	Redox Speciation of Copper in Rainwater: Temporal Variability and Atmospheric Deposition. Environmental Science & Technology, 2004, 38, 3587-3594.	4.6	45
1036	Extracellular Iron Reduction Is Mediated in Part by Neutral Red and Hydrogenase in Escherichia coli. Applied and Environmental Microbiology, 2004, 70, 3467-3474.	1.4	96
1037	Discoloration of Azo-Dyes at Biocompatible pH-Values through an Fe-Histidine Complex Immobilized on Nafion via Fenton-like Processes. Journal of Physical Chemistry B, 2004, 108, 4439-4448.	1.2	39

#	ARTICLE	IF	CITATIONS
1038	Seasonal and spatial distributions and dry deposition fluxes of atmospheric total and labile iron over the tropical and subtropical North Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	129
1039	Potential availability of sedimentary phosphorus to sediment resuspension in Florida Bay. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	86
1040	A Polymer Membrane Containing FeO ₂ as a Contaminant Barrier. <i>Environmental Science & Technology</i> , 2004, 38, 2264-2270.	4.6	31
1041	Inhibition of Pyrite Oxidation by a Phospholipid in the Presence of Silicate. <i>Environmental Science & Technology</i> , 2004, 38, 3432-3441.	4.6	45
1042	Characterization of Redox Processes in Shallow Groundwater of Owens Dry Lake, California. <i>Environmental Science & Technology</i> , 2004, 38, 5950-5957.	4.6	16
1043	Preparation of Magnetically Labeled Cells for Cell Tracking by Magnetic Resonance Imaging. <i>Methods in Enzymology</i> , 2004, 386, 275-299.	0.4	164
1044	<i>Anaerobranca californiensis</i> sp. nov., an anaerobic, alkalithermophilic, fermentative bacterium isolated from a hot spring on Mono Lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 739-743.	0.8	68
1045	Phenazines and Other Redox-Active Antibiotics Promote Microbial Mineral Reduction. <i>Applied and Environmental Microbiology</i> , 2004, 70, 921-928.	1.4	363
1046	Removal of Aqueous Cr(VI) by a Combination of Photocatalytic Reduction and Coprecipitation. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1665-1672.	1.8	256
1047	Bacterial Iron Oxidation in Circumneutral Freshwater Habitats: Findings from the Field and the Laboratory. <i>Geomicrobiology Journal</i> , 2004, 21, 405-414.	1.0	165
1048	Evidence for a copper-dependent iron transport system in the marine, magnetotactic bacterium strain MV-1. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2931-2945.	0.7	81
1049	Trace metal records of regional paleoenvironmental variability in Pennsylvanian (Upper) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 30	1.4	95
1050	pH Dependence of ferrous sorption onto two smectite clays. <i>Chemosphere</i> , 2004, 57, 1301-1306.	4.2	33
1051	Coupling of early diagenetic processes and sedimentary dynamics in tropical shelf environments: the Gulf of Papua deltaic complex. <i>Continental Shelf Research</i> , 2004, 24, 2455-2486.	0.9	72
1052	Formation of Fe(III)-minerals by Fe(II)-oxidizing photoautotrophic bacteria 1 1Associate editor: L. G. Benning. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1217-1226.	1.6	276
1053	Iron isotope fractionation by Fe(II)-oxidizing photoautotrophic bacteria 1 1Associate editor: D. E. Canfield. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1227-1242.	1.6	323
1054	Biogeochemical transformation of Fe minerals in a petroleum-contaminated aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1791-1805.	1.6	49
1055	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

#	ARTICLE	IF	CITATIONS
1056	Structural constraints of ferric (hydr)oxides on dissimilatory iron reduction and the fate of Fe(II). <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3217-3229.	1.6	183
1057	Biotransformation of two-line silica-ferrihydrate by a dissimilatory Fe(III)-reducing bacterium: formation of carbonate green rust in the presence of phosphate. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2799-2814.	1.6	164
1058	Iron reduction and alteration of nontronite NAu-2 by a sulfate-reducing bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3251-3260.	1.6	93
1059	A revised scheme for the reactivity of iron (oxyhydr)oxide minerals towards dissolved sulfide. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3703-3715.	1.6	490
1060	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
1061	Kinetic control of oxidation state at thermodynamically buffered potentials in subsurface waters. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4831-4842.	1.6	27
1062	An instrument for collecting discrete large-volume water samples suitable for ecological studies of microorganisms. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1781-1792.	0.6	30
1063	Effects of incubation on solubility and mobility of trace metals in two contaminated soils. <i>Environmental Pollution</i> , 2004, 130, 301-307.	3.7	32
1064	Siderophore production of a periplasmic transport binding protein kinase gene defective mutant of <i>Magnetospirillum magneticum</i> AMB-1. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 852-857.	1.0	22
1065	Iron deficiency in children with <i>Giardia lamblia</i> and <i>Enterobius vermicularis</i> . <i>Nutrition Research</i> , 2004, 24, 1-5.	1.3	10
1066	Serum iron analysis of adults receiving three different iron compounds. <i>Nutrition Research</i> , 2004, 24, 603-611.	1.3	20
1067	Redox zonation at the saline-influenced boundaries of a permeable surficial aquifer: effects of physical forcing on the biogeochemical cycling of iron and manganese. <i>Journal of Hydrology</i> , 2004, 296, 164-178.	2.3	75
1068	Redox control of arsenic mobilization in Bangladesh groundwater. <i>Applied Geochemistry</i> , 2004, 19, 201-214.	1.4	348
1069	Preservation of water samples for arsenic(III/IV) determinations: an evaluation of the literature and new analytical results. <i>Applied Geochemistry</i> , 2004, 19, 995-1009.	1.4	150
1070	Rare earth element partitioning between hydrous ferric oxides and acid mine water during iron oxidation. <i>Applied Geochemistry</i> , 2004, 19, 1339-1354.	1.4	185
1071	Soil solution sulfide control by two iron-oxide minerals in a submerged microcosm. <i>Aquaculture</i> , 2004, 239, 217-235.	1.7	4
1072	Decomposition of the Polycyclic Nitramine Explosive, CL-20, by FeO. <i>Environmental Science & Technology</i> , 2004, 38, 6861-6866.	4.6	43
1073	Pathways of organic carbon oxidation in a deep lacustrine sediment, Lake Michigan. <i>Limnology and Oceanography</i> , 2004, 49, 2046-2057.	1.6	71

#	ARTICLE	IF	CITATIONS
1074	Simultaneous determination of iron reduction and uptake by phytoplankton. <i>Limnology and Oceanography: Methods</i> , 2004, 2, 137-145.	1.0	40
1075	Redox potential of bulk soil and soil solution concentration of nitrate, manganese, iron, and sulfate in two Gleysols. <i>Journal of Plant Nutrition and Soil Science</i> , 2004, 167, 7-16.	1.1	72
1076	Sequential Determination of Iron(II) and Iron(III) in Pharmaceutical by Flow-Injection Analysis with Spectrophotometric Detection. <i>Analytical Sciences</i> , 2004, 20, 645-650.	0.8	29
1077	Processes affecting the chemical composition of Blue Lake, an alluvial gold-mine pit lake in New Zealand. <i>Marine and Freshwater Research</i> , 2004, 55, 201.	0.7	11
1078	Photochemical Behavior of Fe(II) in Coastal Seawater around Okinawa Island by HPLC with a Ferrozine Reagent. <i>Bunseki Kagaku</i> , 2005, 54, 861-867.	0.1	11
1079	Methanogenesis as an Important Terminal Electron Accepting Process in Estuarine Sediment at the Mouth of Orikasa River. <i>Microbes and Environments</i> , 2005, 20, 41-52.	0.7	21
1080	The dependence of Fe(III) hydrolysis on ionic strength in NaCl solutions. <i>Marine Chemistry</i> , 2005, 97, 34-48.	0.9	23
1081	Fe(III) mineral formation and cell encrustation by the nitrate-dependent Fe(II)-oxidizer strain BoFeN1. <i>Geobiology</i> , 2005, 3, 235-245.	1.1	250
1082	The coupling of biological iron cycling and mineral weathering during saprolite formation, Luquillo Mountains, Puerto Rico. <i>Geobiology</i> , 2005, 3, 247-260.	1.1	81
1083	Temperature dependence of Fe(III) and sulfate reduction rates and its effect on growth and composition of bacterial enrichments from an acidic pit lake neutralization experiment. <i>Geobiology</i> , 2005, 3, 261-274.	1.1	36
1084	Redox reactions and phosphorus release in re-flooded soils of an altered wetland. <i>European Journal of Soil Science</i> , 2005, 56, 515-525.	1.8	129
1085	Evaluation of procedures to acclimate a microbial fuel cell for electricity production. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 23-30.	1.7	444
1086	Iron Additions Reduce Sulfate Reduction Rates and Improve Seagrass Growth on Organic-Enriched Carbonate Sediments. <i>Ecosystems</i> , 2005, 8, 721-730.	1.6	47
1087	Kinetics of Dissociation of tris-{3-(2-pyridyl)-5,6-bis(2-furyl)-1,2,4-triazine}iron(II). <i>Transition Metal Chemistry</i> , 2005, 30, 957-963.	0.7	5
1088	Propylphenols are metabolites in the anaerobic biodegradation of propylbenzene under iron-reducing conditions. <i>Biodegradation</i> , 2005, 16, 253-263.	1.5	18
1089	Dynamics of Redox Changes of Iron Caused by Lightâ€“dark Variations in Littoral Sediment of a Freshwater Lake. <i>Biogeochemistry</i> , 2005, 74, 323-339.	1.7	38
1090	Redox Changes of Iron Caused by Erosion, Resuspension and Sedimentation in Littoral Sediment of a Freshwater Lake. <i>Biogeochemistry</i> , 2005, 74, 341-356.	1.7	25
1091	Understanding the Anodic Mechanism of a Seafloor Fuel Cell: Interactions Between Geochemistry and Microbial Activity. <i>Biogeochemistry</i> , 2005, 76, 113-139.	1.7	140

#	ARTICLE	IF	CITATIONS
1092	Reduction of crystalline iron(III) oxyhydroxides using hydroquinone: Influence of phase and particle size. <i>Geochemical Transactions</i> , 2005, 6, 1.	1.8	99
1093	Reduction of Copper(II) by Iron(II). <i>Journal of Environmental Quality</i> , 2005, 34, 1539-1546.	1.0	54
1094	Spectrophotometric study of iron oxidation in the iron(II)/thiocyanate/acetone system and some analytical applications. <i>Ecletica Quimica</i> , 2005, 30, 63-71.	0.2	19
1095	Geophysical and geochemical signatures of Gulf of Mexico seafloor brines. <i>Biogeosciences</i> , 2005, 2, 295-309.	1.3	75
1096	High Rates of Fe-EDDHA and Seed Iron Concentration Suggest Partial Solutions to Iron Deficiency in Soybean. <i>Agronomy Journal</i> , 2005, 97, 924-934.	0.9	51
1097	Rhizosphere Iron (III) Deposition and Reduction in a <i>Juncus effusus</i> L.-Dominated Wetland. <i>Soil Science Society of America Journal</i> , 2005, 69, 1861-1870.	1.2	75
1098	Inhibition of NO ₃ ⁻ and NO ₂ ⁻ Reduction by Microbial Fe(III) Reduction: Evidence of a Reaction between NO ₂ ⁻ and Cell Surface-Bound Fe ²⁺ . <i>Applied and Environmental Microbiology</i> , 2005, 71, 5267-5274.	1.4	81
1099	The role of soluble Fe(III) in the cycling of iron and sulfur in coastal marine sediments. <i>Limnology and Oceanography</i> , 2005, 50, 1129-1141.	1.6	42
1100	Global Transcriptional Profiling of <i>Shewanella oneidensis</i> MR-1 during Cr(VI) and U(VI) Reduction. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7453-7460.	1.4	139
1101	Quantification of Ammonia-Oxidizing Bacteria and Factors Controlling Nitrification in Salt Marsh Sediments. <i>Applied and Environmental Microbiology</i> , 2005, 71, 240-246.	1.4	137
1102	<i>Shewanella oneidensis</i> MR-1 Uses Overlapping Pathways for Iron Reduction at a Distance and by Direct Contact under Conditions Relevant for Biofilms. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4414-4426.	1.4	292
1103	Anaerobic Degradation of Benzene, Toluene, Ethylbenzene, and <i>o</i> -Xylene in Sediment-Free Iron-Reducing Enrichment Cultures. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3355-3358.	1.4	99
1104	Enrichment and Isolation of Iron-Oxidizing Bacteria at Neutral pH. <i>Methods in Enzymology</i> , 2005, 397, 112-123.	0.4	120
1105	Human hololactoferrin: endocytosis and use as an iron source by the parasite <i>Entamoeba histolytica</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 3859-3871.	0.7	44
1106	Microbial Diversity in Ultra-High-Pressure Rocks and Fluids from the Chinese Continental Scientific Drilling Project in China. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3213-3227.	1.4	77
1107	Sediment carbon, nitrogen and phosphorus cycling in an anoxic fjord, Effingham Inlet, British Columbia. <i>Numerische Mathematik</i> , 2005, 305, 240-258.	0.7	90
1108	Isolation and Characterization of a Genetically Tractable Photoautotrophic Fe(II)-Oxidizing Bacterium, <i>Rhodospirillum rubrum</i> Strain TIE-1. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4487-4496.	1.4	194
1109	Phosphorus Accumulation in Lake Sediments during the Last 14,000 Years: Description b Fractionation Techniques and X-Ray Micro-Analysis. <i>Journal of Freshwater Ecology</i> , 2005, 20, 347-359.	0.5	13

#	ARTICLE	IF	CITATIONS
1110	Metal Binding Characteristics and Role of Iron Oxidation in the Ferric Uptake Regulator from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2005, 44, 13553-13559.	1.2	102
1111	Intermolecular Electron-Transfer Reactions in Soluble Methane Monooxygenase: A Role for Hysteresis in Protein Function. <i>Journal of the American Chemical Society</i> , 2005, 127, 17364-17376.	6.6	32
1112	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
1113	Organic Complexation of Fe(II) and Its Impact on the Redox Cycling of Iron in Rain. <i>Environmental Science & Technology</i> , 2005, 39, 1576-1583.	4.6	93
1114	Chromate Reduction and Retention Processes within Arid Subsurface Environments. <i>Environmental Science & Technology</i> , 2005, 39, 7833-7839.	4.6	41
1115	Effects of Fe(II) and Hydrogen Peroxide Interaction upon Dissolving UO ₂ under Geologic Repository Conditions. <i>Environmental Science & Technology</i> , 2005, 39, 221-229.	4.6	29
1116	Impact of Ferrihydrite and Anthraquinone-2,6-Disulfonate on the Reductive Transformation of 2,4,6-Trinitrotoluene by a Gram-Positive Fermenting Bacterium. <i>Environmental Science & Technology</i> , 2005, 39, 7126-7133.	4.6	78
1117	Redox Processes and Release of Organic Matter after Thermal Treatment of a TCE-Contaminated Aquifer. <i>Environmental Science & Technology</i> , 2005, 39, 5787-5795.	4.6	30
1118	Coupled Fe(II)→Fe(III) Electron and Atom Exchange as a Mechanism for Fe Isotope Fractionation during Dissimilatory Iron Oxide Reduction. <i>Environmental Science & Technology</i> , 2005, 39, 6698-6704.	4.6	204
1119	On the Nonlinear Relationship between k _{obs} and Reductant Mass Loading in Iron Batch Systems. <i>Environmental Science & Technology</i> , 2005, 39, 8948-8957.	4.6	47
1120	Oxidation of Fe(II) in Rainwater. <i>Environmental Science & Technology</i> , 2005, 39, 2579-2585.	4.6	34
1121	Sorption and Desorption of Arsenic to Ferrihydrite in a Sand Filter. <i>Environmental Science & Technology</i> , 2005, 39, 8045-8051.	4.6	73
1122	Arsenic Mobilization through Microbially Mediated Deflocculation of Ferrihydrite. <i>Environmental Science & Technology</i> , 2005, 39, 3061-3068.	4.6	63
1123	Influence of Sediment Bioreduction and Reoxidation on Uranium Sorption. <i>Environmental Science & Technology</i> , 2005, 39, 4125-4133.	4.6	30
1124	Aqueous Stability of Gadolinium in Surface Waters Receiving Sewage Treatment Plant Effluent, Boulder Creek, Colorado. <i>Environmental Science & Technology</i> , 2005, 39, 6923-6929.	4.6	133
1125	Arsenic Diagenesis at the Sediment-Water Interface of a Recently Flooded Freshwater Sediment. <i>ACS Symposium Series</i> , 2005, , 220-234.	0.5	2
1126	THE COMPOSITION OF COEXISTING JAROSITE-GROUP MINERALS AND WATER FROM THE RICHMOND MINE, IRON MOUNTAIN, CALIFORNIA. <i>Canadian Mineralogist</i> , 2005, 43, 1225-1242.	0.3	51
1127	Experimental constraints on Fe isotope fractionation during magnetite and Fe carbonate formation coupled to dissimilatory hydrous ferric oxide reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 963-993.	1.6	203

#	ARTICLE	IF	CITATIONS
1128	Transient and quasi-steady-state dissolution of biotite at 22–25°C in high pH, sodium, nitrate, and aluminate solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 399-413.	1.6	30
1129	Effects of sediment iron mineral composition on microbially mediated changes in divalent metal speciation: Importance of ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1739-1754.	1.6	41
1130	Trace element cycling in a subterranean estuary: Part 1. Geochemistry of the permeable sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2095-2109.	1.6	206
1131	Diel behavior of iron and other heavy metals in a mountain stream with acidic to neutral pH: Fisher Creek, Montana, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2505-2516.	1.6	115
1132	Fast transformation of iron oxyhydroxides by the catalytic action of aqueous Fe(II). <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3967-3977.	1.6	409
1133	Geochemical processes and solute transport at the seawater/freshwater interface of a sandy aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3979-3994.	1.6	168
1134	Iron(III) reduction and phosphorous solubilization in humid tropical forest soils. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3643-3652.	1.6	161
1135	Control of Fe(III) site occupancy on the rate and extent of microbial reduction of Fe(III) in nontronite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5429-5440.	1.6	142
1136	Major and trace element composition of copiapite-group minerals and coexisting water from the Richmond mine, Iron Mountain, California. <i>Chemical Geology</i> , 2005, 215, 387-405.	1.4	67
1137	Speciation, oxidation state, and reactivity of particulate manganese in marine sediments. <i>Chemical Geology</i> , 2005, 218, 265-279.	1.4	105
1138	Microbial removal of uranium in uranium-bearing black shale. <i>Chemosphere</i> , 2005, 59, 147-154.	4.2	36
1139	Organic matter remineralization and porewater exchange rates in permeable South Atlantic Bight continental shelf sediments. <i>Continental Shelf Research</i> , 2005, 25, 1433-1452.	0.9	101
1140	Live foraminiferal faunas from a 2800m deep lower canyon station from the Bay of Biscay: Faunal response to focusing of refractory organic matter. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 1189-1227.	0.6	132
1141	Iron (II) distribution and oxidation kinetics in hydrothermal plumes at the Kairei and Edmond vent sites, Indian Ocean. <i>Earth and Planetary Science Letters</i> , 2005, 236, 588-596.	1.8	75
1142	Ferric iron in sediments as a novel CO ₂ mineral trap: CO ₂ –SO ₂ reaction with hematite. <i>Applied Geochemistry</i> , 2005, 20, 2038-2048.	1.4	95
1143	Sulfur accumulation in eelgrass (<i>Zostera marina</i>) and effect of sulfur on eelgrass growth. <i>Aquatic Botany</i> , 2005, 81, 367-379.	0.8	78
1144	Competing Fe(II)-Induced Mineralization Pathways of Ferrihydrite. <i>Environmental Science & Technology</i> , 2005, 39, 7147-7153.	4.6	475
1145	Estimation of iron solubility from observations and a global aerosol model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	99

#	ARTICLE	IF	CITATIONS
1146	Deposition of banded iron formations by anoxygenic phototrophic Fe(II)-oxidizing bacteria. <i>Geology</i> , 2005, 33, 865.	2.0	396
1147	Enrichment and Isolation of Ferric-Iron and Humic Acid-Reducing Bacteria. <i>Methods in Enzymology</i> , 2005, 397, 58-77.	0.4	48
1148	Iron isotope exchange kinetics at the nanoparticulate ferrihydrite surface. <i>American Mineralogist</i> , 2005, 90, 758-763.	0.9	39
1149	Ferrous hydroxy carbonate is a stable transformation product of biogenic magnetite. <i>American Mineralogist</i> , 2005, 90, 510-515.	0.9	75
1150	Preparation and Evaluation of GAC-Based Iron-Containing Adsorbents for Arsenic Removal. <i>Environmental Science & Technology</i> , 2005, 39, 3833-3843.	4.6	383
1151	Thermodynamic Constraints on the Oxidation of Biogenic UO ₂ by Fe(III) (Hydr)oxides. <i>Environmental Science & Technology</i> , 2006, 40, 3544-3550.	4.6	129
1152	Decomposition of Hydrogen Peroxide Driven by Photochemical Cycling of Iron Species in Clay. <i>Environmental Science & Technology</i> , 2006, 40, 4782-4787.	4.6	101
1153	Metal Reduction and Iron Biomineralization by a Psychrotolerant Fe(III)-Reducing Bacterium, <i>Shewanella</i> sp. Strain PV-4. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3236-3244.	1.4	132
1154	The Biogeochemistry of Iron. , 2006, , 241-270.		20
1155	Sulfur cycling and sulfide intrusion in mixed Southeast Asian tropical seagrass meadows. <i>Botanica Marina</i> , 2006, 49, .	0.6	38
1156	Thermodynamic properties and crystal structure refinement of ferricopiapite, coquimbite, rhomboclase, and Fe ₂ (SO ₄) ₃ (H ₂ O) ₅ . <i>European Journal of Mineralogy</i> , 2006, 18, 175-186.	0.4	65
1157	Electrically conductive bacterial nanowires produced by <i>Shewanella oneidensis</i> strain MR-1 and other microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11358-11363.	3.3	1,629
1158	Dissimilatory Fe(III)- and Mn(IV)-Reducing Prokaryotes. , 2006, , 635-658.		108
1159	EXPERIMENTAL PYRITE FORMATION ASSOCIATED WITH DECAY OF PLANT MATERIAL. <i>Palaios</i> , 2006, 21, 499-506.	0.6	31
1160	<i>Geobacter lovleyi</i> sp. nov. Strain SZ, a Novel Metal-Reducing and Tetrachloroethene-Dechlorinating Bacterium. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2775-2782.	1.4	306
1161	Ramifications of increased salinity in tidal freshwater sediments: Geochemistry and microbial pathways of organic matter mineralization. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	210
1162	Role of microbial iron reduction in the dissolution of iron hydroxysulfate minerals. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	28
1163	Photoreductive dissolution of ferrihydrite by methanesulfonic acid: Evidence of a direct link between dimethylsulfide and iron-bioavailability. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	18

#	ARTICLE	IF	CITATIONS
1164	Quantifying the Magnetic Advantage in Magnetotaxis. <i>Biophysical Journal</i> , 2006, 91, 1098-1107.	0.2	59
1165	<i>Desulfuromonas svalbardensis</i> sp. nov. and <i>Desulfuromusa ferrireducens</i> sp. nov., psychrophilic, Fe(III)-reducing bacteria isolated from Arctic sediments, Svalbard. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1133-1139.	0.8	93
1166	Indicators of Petroleum Hydrocarbon Biodegradation in Anaerobic Granitic Groundwater. <i>Geomicrobiology Journal</i> , 2006, 23, 45-58.	1.0	7
1167	Simultaneous Microbial Reduction of Iron(III) and Arsenic(V) in Suspensions of Hydrous Ferric Oxide. <i>Environmental Science & Technology</i> , 2006, 40, 5950-5955.	4.6	121
1168	Determination of the in Vivo Stoichiometry of Tyrosyl Radical per H_2O_2 in <i>Saccharomyces cerevisiae</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2006, 45, 12282-12294.	1.2	23
1169	Overexpression and Characterization of an Iron Storage and DNA-Binding Dps Protein from <i>Trichodesmium erythraeum</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 2918-2924.	1.4	64
1170	Development of a Wet-Chemical Method for the Speciation of Iron in Atmospheric Aerosols. <i>Environmental Science & Technology</i> , 2006, 40, 2346-2351.	4.6	65
1171	Superoxide-Mediated Dissolution of Amorphous Ferric Oxyhydroxide in Seawater. <i>Environmental Science & Technology</i> , 2006, 40, 880-887.	4.6	61
1172	Role of Fe(III), Phosphate, Dissolved Organic Matter, and Nitrate during the Photodegradation of Domoic Acid in the Marine Environment. <i>Environmental Science & Technology</i> , 2006, 40, 2200-2205.	4.6	87
1173	Wavelength Dependence of Fe(II) Photoformation in the Water-Soluble Fraction of Aerosols Collected in Okinawa, Japan. <i>Environmental Science & Technology</i> , 2006, 40, 7790-7795.	4.6	16
1174	Dechlorinating Chloroacetanilide Herbicides by Dithionite-Treated Aquifer Sediment and Surface Soil. <i>Environmental Science & Technology</i> , 2006, 40, 3043-3049.	4.6	42
1175	Reduction of Iron Oxides Enhanced by a Sulfate-Reducing Bacterium and Biogenic H ₂ S. <i>Geomicrobiology Journal</i> , 2006, 23, 103-117.	1.0	88
1176	Interactions between Microbial Iron Reduction and Metal Geochemistry: Effect of Redox Cycling on Transition Metal Speciation in Iron Bearing Sediments. <i>Environmental Science & Technology</i> , 2006, 40, 1884-1891.	4.6	63
1177	Influence of Sediment Components on the Immobilization of Zn during Microbial Fe ³⁺ (Hydr)oxide Reduction. <i>Environmental Science & Technology</i> , 2006, 40, 3813-3818.	4.6	5
1178	A Multifactor Exploration of the Photobleaching of Suwannee River Dissolved Organic Matter Across the Freshwater/Saltwater Interface. <i>Environmental Science & Technology</i> , 2006, 40, 3717-3722.	4.6	22
1179	Unique Microbial Community in Drilling Fluids from Chinese Continental Scientific Drilling. <i>Geomicrobiology Journal</i> , 2006, 23, 499-514.	1.0	24
1180	Iron isotopes in the Amazon River system: Weathering and transport signatures. <i>Earth and Planetary Science Letters</i> , 2006, 248, 54-68.	1.8	183
1181	Sulfur biogeochemistry and isotopic fractionation in shallow groundwater and sediments of Owens Dry Lake, California. <i>Chemical Geology</i> , 2006, 229, 257-272.	1.4	20

#	ARTICLE	IF	CITATIONS
1182	Oxidation and incorporation of hydrogen sulfide by dissolved organic matter. <i>Chemical Geology</i> , 2006, 235, 12-20.	1.4	155
1183	The composition of nanoparticulate mackinawite, tetragonal iron(II) monosulfide. <i>Chemical Geology</i> , 2006, 235, 286-298.	1.4	89
1184	Degradation and decolorization of a biodegradable-resistant polymeric dye by chelator-mediated Fenton reactions. <i>Chemosphere</i> , 2006, 63, 1764-1772.	4.2	31
1185	Fate of a stilbene-type fluorescent whitening agent (DSBP) in the presence of Fe(III) aquacomplexes: From the redox process to the photodegradation. <i>Chemosphere</i> , 2006, 65, 2185-2192.	4.2	4
1186	In vitro enzymatic reduction kinetics of mineral oxides by membrane fractions from <i>Shewanella oneidensis</i> MR-1. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 56-70.	1.6	33
1187	Trace element cycling in a subterranean estuary: Part 2. Geochemistry of the pore water. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 811-826.	1.6	275
1188	Iron-oxide crystallinity increases during soil redox oscillations. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1710-1727.	1.6	320
1189	The effect of early diagenesis on the Fe isotope compositions of porewaters and authigenic minerals in continental margin sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2006-2022.	1.6	241
1190	Early diagenesis of trace metals (Cd, Cu, Co, Ni, U, Mo, and V) in the freshwater reaches of a macrotidal estuary. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2264-2282.	1.6	107
1191	The solubility of FeS. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5779-5789.	1.6	227
1192	Reductive biotransformation of Fe in shale–limestone saprolite containing Fe(III) oxides and Fe(II)/Fe(III) phyllosilicates. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3662-3676.	1.6	67
1193	Reactive iron(III) in sediments: Chemical versus microbial extractions. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4166-4180.	1.6	126
1194	Role of superoxide in the photochemical reduction of iron in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3869-3882.	1.6	80
1195	Release of arsenic associated with the reduction and transformation of iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4116-4129.	1.6	395
1196	Influence of a dual-species biofilm on the corrosion of mild steel. <i>Corrosion Science</i> , 2006, 48, 165-178.	3.0	51
1197	Carbon remineralization in the Amazon–Guianas tropical mobile mudbelt: A sedimentary incinerator. <i>Continental Shelf Research</i> , 2006, 26, 2241-2259.	0.9	181
1198	Open-ocean deployment of a buoy-mounted aerosol sampler on the Bermuda Testbed Mooring: Aerosol iron and sea salt over the Sargasso Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 547-560.	0.6	18
1199	The northeastern Black Sea redox zone: Hydrochemical structure and its temporal variability. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1769-1786.	0.6	30

#	ARTICLE	IF	CITATIONS
1201	Occurrence and Rates of Terminal Electron-Accepting Processes and Recharge Processes in Petroleum Hydrocarbon-Contaminated Subsurface. <i>Journal of Environmental Quality</i> , 2006, 35, 2273-2282.	1.0	14
1202	Assessing P status and trophic level of two lakes by speciation of particulate phosphorus forms. <i>Journal of Limnology</i> , 2006, 65, 17.	0.3	4
1203	Shelf Life of Ostrich (<i>Struthio camelus</i>) Liver Stored under Different Packaging Conditions. <i>Journal of Food Protection</i> , 2006, 69, 1920-1927.	0.8	20
1204	Effects of Plants on the Removal of Hexavalent Chromium in Wetland Sediments. <i>Journal of Environmental Quality</i> , 2006, 35, 334-341.	1.0	44
1205	Solvent Sublation and Spectrometric Determination of Iron(II) and Total Iron Using 3-(2-Pyridyl)-5,6-bis(4-phenylsulfonic acid)-1,2,4-triazine and Tetrabutylammonium Bromide. <i>Analytical Sciences</i> , 2006, 22, 1169-1174.	0.8	17
1206	Supplemental Dietary Inulin Affects the Bioavailability of Iron in Corn and Soybean Meal to Young Pigs. <i>Journal of Nutrition</i> , 2006, 136, 3033-3038.	1.3	70
1207	Spatial and Seasonal Distributions of Dissolved Organic Matter and Iron in Matsushima Bay, Japan. <i>Journal of Japan Society on Water Environment</i> , 2006, 29, 169-176.	0.1	5
1208	Temporal and spatial variation of sulfide invasion in eelgrass (<i>Zostera marina</i>) as reflected by its sulfur isotopic composition. <i>Limnology and Oceanography</i> , 2006, 51, 2308-2318.	1.6	71
1209	Anaerobic redox cycling of iron by freshwater sediment microorganisms. <i>Environmental Microbiology</i> , 2006, 8, 100-113.	1.8	290
1210	Reduction of Prussian Blue by the two iron-reducing microorganisms <i>Geobacter metallireducens</i> and <i>Shewanella</i> sp. <i>Environmental Microbiology</i> , 2006, 8, 362-367.	1.8	19
1211	A rapid mutant screening technique for detection of technetium [Tc(VII)] reduction-deficient mutants of <i>Shewanella oneidensis</i> MR-1. <i>FEMS Microbiology Letters</i> , 2006, 259, 282-287.	0.7	30
1212	Thiobarbituric acid reactive substances, Fe ³⁺ -reduction and enzymatic activities in cultures of <i>Ganoderma australe</i> growing on <i>Drimys winteri</i> wood. <i>FEMS Microbiology Letters</i> , 2006, 260, 112-118.	0.7	15
1213	Temperature characteristics of bacterial iron solubilisation and ¹⁴ C assimilation in naturally exposed sulfide ore material at Citronen Fjord, North Greenland (83°N). <i>FEMS Microbiology Ecology</i> , 2006, 23, 275-283.	1.3	9
1214	Oxygen-Enhanced Biodegradation of Phenoxy Acids in Ground Water at Contaminated Sites. <i>Ground Water</i> , 2006, 44, 256-265.	0.7	28
1215	Effect of iron(III), humic acids and anthraquinone-2,6-disulfonate on biodegradation of cyclic nitramines by <i>Clostridium</i> sp. EDB2. <i>Journal of Applied Microbiology</i> , 2006, 100, 555-563.	1.4	58
1216	Optimisation of in vitro measurement of available iron from different fortificants in citric fruit juices. <i>Food Chemistry</i> , 2006, 98, 639-648.	4.2	70
1217	Oxalic acid, Fe ³⁺ -reduction activity and oxidative enzymes detected in culture extracts recovered from <i>Pinus taeda</i> wood chips biotreated by <i>Ceriporiopsis subvermiformis</i> . <i>Enzyme and Microbial Technology</i> , 2006, 38, 873-878.	1.6	49
1218	Evaluation of different carbon sources for production of iron-reducing compounds by <i>Wolfiporia cocos</i> and <i>Perenniporia medulla-panis</i> . <i>Process Biochemistry</i> , 2006, 41, 887-891.	1.8	20

#	ARTICLE	IF	CITATIONS
1219	SAMPLING METHODS TO DETERMINE THE SPATIAL GRADIENTS AND FLUX OF ARSENIC AT A GROUNDWATER SEEPAGE ZONE. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 1487.	2.2	14
1220	Mobilization of soil phosphorus during passage through the gut of larvae of <i>Pachnoda ephippiata</i> (Coleoptera: Scarabaeidae). <i>Plant and Soil</i> , 2006, 288, 263-270.	1.8	12
1221	Using Low-Cost Iron Byproducts from Automotive Manufacturing to Remediate DDT. <i>Water, Air, and Soil Pollution</i> , 2006, 175, 361-374.	1.1	19
1222	Chromophoric Dissolved Organic Matter (CDOM) In Rainwater, Southeastern North Carolina, USA. <i>Journal of Atmospheric Chemistry</i> , 2006, 54, 21-41.	1.4	116
1223	Speciation and role of iron in cloud droplets at the puy de Dôme station. <i>Journal of Atmospheric Chemistry</i> , 2006, 54, 267-281.	1.4	40
1224	Porewater Stoichiometry of Terminal Metabolic Products, Sulfate, and Dissolved Organic Carbon and Nitrogen in Estuarine Intertidal Creek-bank Sediments. <i>Biogeochemistry</i> , 2006, 77, 375-408.	1.7	77
1225	Soluble Reactive Phosphorus Transport and Retention in Tropical, Rainforest Streams Draining a Volcanic and Geothermally Active Landscape in Costa Rica. : Long-Term Concentration Patterns, Pore Water Environment and Response to ENSO Events. <i>Biogeochemistry</i> , 2006, 81, 131-143.	1.7	17
1226	Kinetics of Sulfate Reduction in a Coastal Aquifer Contaminated with Petroleum Hydrocarbons. <i>Biogeochemistry</i> , 2006, 81, 17-31.	1.7	21
1227	Relationship between body iron stores and diquat toxicity in male Fischer-344 rats. <i>BioMetals</i> , 2006, 19, 651-657.	1.8	9
1228	Variation in soil phosphorus, sulfur, and iron pools among south Florida wetlands. <i>Hydrobiologia</i> , 2006, 569, 63-70.	1.0	42
1229	Iron Uptake and Release by Macrophages is Sensitive to Propranolol. <i>Molecular and Cellular Biochemistry</i> , 2006, 288, 213-217.	1.4	5
1230	Creating mixed Fe/Al coatings on planar Al_2O_3 surfaces. <i>Journal of Colloid and Interface Science</i> , 2006, 295, 318-326.	5.0	3
1231	Ferrous iron sorption by hydrous metal oxides. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 443-454.	5.0	68
1232	Environmental changes and the Migration Period in northern Germany as reflected in the sediments of Lake Dudinghausen. <i>Quaternary Research</i> , 2006, 66, 25-37.	1.0	45
1233	Phosphorus regeneration and burial in near-shore marine sediments (the Gulf of Trieste, northern) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.9	40
1234	Removal of H_2S 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
1235	Mitochondrial permeability transition induced by novel pyridothiopyranopyrimidine derivatives: Potential new antimitochondrial antitumour agents. <i>Biochemical Pharmacology</i> , 2006, 72, 1657-1667.	2.0	16
1236	On the use of iron radio-isotopes to study iron speciation kinetics in seawater: A column separation and off-line counting approach. <i>Science of the Total Environment</i> , 2006, 362, 242-258.	3.9	3

#	ARTICLE	IF	CITATIONS
1237	Redox pathways in a petroleum contaminated shallow sandy aquifer: Iron and sulfate reductions. <i>Science of the Total Environment</i> , 2006, 366, 262-274.	3.9	22
1238	Anaerobic dechlorination and redox activities after full-scale Electrical Resistance Heating (ERH) of a TCE-contaminated aquifer. <i>Journal of Contaminant Hydrology</i> , 2006, 88, 219-234.	1.6	23
1239	Degradation of cellulosic and hemicellulosic substrates using a chelator-mediated Fenton reaction. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 413-419.	1.6	36
1240	Copper-dependent iron transport in coastal and oceanic diatoms. <i>Limnology and Oceanography</i> , 2006, 51, 1729-1743.	1.6	205
1241	High-field pulsed electron-electron double resonance spectroscopy to determine the orientation of the tyrosyl radicals in ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13386-13390.	3.3	147
1242	<i>Desulfotomaculum thermosubterraneum</i> sp. nov., a thermophilic sulfate-reducer isolated from an underground mine located in a geothermally active area. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2603-2608.	0.8	54
1243	Anaerobic Nitrate-Dependent Iron(II) Bio-Oxidation by a Novel Lithoautotrophic Betaproteobacterium, Strain 2002. <i>Applied and Environmental Microbiology</i> , 2006, 72, 686-694.	1.4	194
1244	High-Density Polyethylene Membrane Containing FeO as a Contaminant Barrier. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 803-809.	0.7	8
1245	Disruption of Iron Homeostasis Increases Phosphine Toxicity in <i>Caenorhabditis elegans</i> . <i>Toxicological Sciences</i> , 2006, 96, 194-201.	1.4	27
1246	Intracellular Endosomal Magnetic Labeling of Cells. , 2006, 124, 419-439.		30
1247	Impact of Zinc on Biological Fe(III) and Nitrate Reduction by <i>Shewanella putrefaciens</i> CN32. <i>Environmental Engineering Science</i> , 2006, 23, 691-704.	0.8	13
1248	Diversity of Biogeochemical Cycling Genes from Puget Sound Sediments using DNA Microarrays. <i>Environmental Technology (United Kingdom)</i> , 2006, 27, 1377-1389.	1.2	15
1249	Zinc and Manganese Inhibition of Biological Hematite Reduction. <i>Environmental Engineering Science</i> , 2006, 23, 851-862.	0.8	3
1250	IbtA and IbtB Are Required for Production of the <i>Legionella pneumophila</i> Siderophore Legiobactin. <i>Journal of Bacteriology</i> , 2006, 188, 1351-1363.	1.0	63
1251	Reduction of Soluble and Insoluble Iron Forms by Membrane Fractions of <i>Shewanella oneidensis</i> Grown under Aerobic and Anaerobic Conditions. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2925-2935.	1.4	61
1252	Control by fiddler crabs (<i>Uca vocans</i>) and plant roots (<i>Avicennia marina</i>) on carbon, iron, and sulfur biogeochemistry in mangrove sediment. <i>Limnology and Oceanography</i> , 2006, 51, 1557-1571.	1.6	201
1253	A Conserved Histidine in Cytochrome c Maturation Permease CcmB of <i>Shewanella putrefaciens</i> Is Required for Anaerobic Growth below a Threshold Standard Redox Potential. <i>Journal of Bacteriology</i> , 2007, 189, 1036-1043.	1.0	12
1254	Characterization and Structure of a Zn ²⁺ and [2Fe-2S]-containing Copper Chaperone from <i>Archaeoglobus fulgidus</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 25950-25959.	1.6	32

#	ARTICLE	IF	CITATIONS
1255	Current Production and Metal Oxide Reduction by <i>Shewanella oneidensis</i> MR-1 Wild Type and Mutants. Applied and Environmental Microbiology, 2007, 73, 7003-7012.	1.4	513
1256	Ferrophilic Characteristics of <i>Vibrio vulnificus</i> and Potential Usefulness of Iron Chelation Therapy. Journal of Infectious Diseases, 2007, 195, 90-98.	1.9	39
1257	In situ speciation of trace Fe(II) and Fe(III) in atmospheric waters by the FZ method coupled to GFAAS analysis. International Journal of Environmental Analytical Chemistry, 2007, 87, 647-658.	1.8	11
1258	Activity and Diversity of Fe(III)-Reducing Bacteria in a 3000-Year-Old Acid Mine Drainage Site Analogue. Geomicrobiology Journal, 2007, 24, 295-305.	1.0	17
1259	Growth of <i>Geobacter sulfurreducens</i> on Poorly Crystalline Fe(III) Oxyhydroxide Coatings. Geomicrobiology Journal, 2007, 24, 199-204.	1.0	17
1260	Development of a Manganese Speciation Method for Atmospheric Aerosols in Biologically and Environmentally Relevant Fluids. Aerosol Science and Technology, 2007, 41, 925-933.	1.5	30
1261	Technetium Reduction and Reoxidation in Aquifer Sediments. Geomicrobiology Journal, 2007, 24, 189-197.	1.0	64
1262	Nontronite particle aggregation induced by microbial Fe(III) reduction and exopolysaccharide production. Clays and Clay Minerals, 2007, 55, 96-107.	0.6	53
1263	Characterization of Protein-Protein Interactions Involved in Iron Reduction by <i>Shewanella oneidensis</i> MR-1. Applied and Environmental Microbiology, 2007, 73, 5797-5808.	1.4	145
1264	Genesis of hexavalent chromium from natural sources in soil and groundwater. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6544-6549.	3.3	451
1265	Microbial reduction of structural Fe ³⁺ in nontronite by a thermophilic bacterium and its role in promoting the smectite to illite reaction. American Mineralogist, 2007, 92, 1411-1419.	0.9	75
1266	A Widespread Deferoxamine-Mediated Iron Uptake System in <i>Vibrio vulnificus</i> . Journal of Infectious Diseases, 2007, 196, 1537-1545.	1.9	44
1267	Inactivation of an Iron Transporter in <i>Lactococcus lactis</i> Results in Resistance to Tellurite and Oxidative Stress. Applied and Environmental Microbiology, 2007, 73, 6144-6149.	1.4	39
1268	The <i>pio</i> Operon Is Essential for Phototrophic Fe(II) Oxidation in <i>Rhodospseudomonas palustris</i> TIE-1. Journal of Bacteriology, 2007, 189, 1765-1773.	1.0	218
1269	Modification of Iron Status in Young Overweight/Mildly Obese Women by Two Dietary Interventions Designed to Achieve Weight Loss. Annals of Nutrition and Metabolism, 2007, 51, 367-373.	1.0	8
1270	Synthesis and characterization of the solid uranium(VI) dioxo-diacetohydroxamate complex. Radiochimica Acta, 2007, 95, 439-450.	0.5	7
1271	The role of different iron preparations in the prevention of anemia in racing horses. Acta Veterinaria, 2007, 57, 357-368.	0.2	2
1272	Green Rust Formation from the Bioreduction of Fe^{3+} FeOOH (Lepidocrocite): Comparison of Several <i>Shewanella</i> Species. Geomicrobiology Journal, 2007, 24, 211-230.	1.0	72

#	ARTICLE	IF	CITATIONS
1273	The fox Operon from Rhodobacter Strain SW2 Promotes Phototrophic Fe(II) Oxidation in Rhodobacter capsulatus SB1003. <i>Journal of Bacteriology</i> , 2007, 189, 1774-1782.	1.0	97
1274	<i>Desulfurispora thermophila</i> gen. nov., sp. nov., a thermophilic, spore-forming sulfate-reducer isolated from a sulfidogenic fluidized-bed reactor. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1089-1094.	0.8	51
1275	<i>Desulfoviregula thermocuniculi</i> gen. nov., sp. nov., a thermophilic sulfate-reducer isolated from a geothermal underground mine in Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 98-102.	0.8	29
1276	<i>Natranaerobius thermophilus</i> gen. nov., sp. nov., a halophilic, alkalithermophilic bacterium from soda lakes of the Wadi An Natrun, Egypt, and proposal of <i>Natranaerobiaceae</i> fam. nov. and <i>Natranaerobiales</i> ord. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2507-2512.	0.8	106
1277	Overestimation of Phosphorus Adsorption Capacity in Reduced Soils: An Artifact of Typical Batch Adsorption Experiments. <i>Soil Science Society of America Journal</i> , 2007, 71, 1128-1136.	1.2	35
1278	Kinetics of Formation and Dissociation of Organically Complexed Iron in Coastal Waters: Relationship between Characteristics of Organic Ligand and Rate Constant. <i>Journal of Japan Society on Water Environment</i> , 2007, 30, 267-275.	0.1	0
1279	Effects of progressive oxygen depletion on sediment diagenesis and fluxes: A model for the lower St. Lawrence River Estuary. <i>Limnology and Oceanography</i> , 2007, 52, 2555-2568.	1.6	65
1280	Homogeneous iron-catalyzed photochemical degradation of muconic acid in water. <i>Water Research</i> , 2007, 41, 1325-1333.	5.3	25
1281	Comparative evaluation of Fe(III) reducing power-based antioxidant capacity assays in the presence of phenanthroline, batho-phenanthroline, tripyridyltriazine (FRAP), and ferricyanide reagents. <i>Talanta</i> , 2007, 72, 1157-1165.	2.9	191
1282	Relative contributions of sulfate- and iron(III) reduction to organic matter mineralization and process controls in contrasting habitats of the Georgia saltmarsh. <i>Applied Geochemistry</i> , 2007, 22, 2637-2651.	1.4	60
1283	Isotopic evidence for iron mobilization during Paleoproterozoic lateritization of the Hekpoort paleosol profile from Gaborone, Botswana. <i>Earth and Planetary Science Letters</i> , 2007, 256, 577-587.	1.8	47
1284	Effect of estuarine sediment resuspension on early diagenesis, sulfide oxidation and dissolved molybdenum and uranium distribution in the Gironde estuary, France. <i>Chemical Geology</i> , 2007, 238, 149-167.	1.4	49
1285	Fe ³⁺ - and Cu ²⁺ -reduction by phenol derivatives associated with Azure B degradation in Fenton-like reactions. <i>Chemosphere</i> , 2007, 66, 947-954.	4.2	81
1286	Ferrous iron oxidation rates in the pycnocline of a permanently stratified lake. <i>Chemosphere</i> , 2007, 66, 1561-1570.	4.2	13
1287	Arsenic speciation and accumulation in evapoconcentrating waters of agricultural evaporation basins. <i>Chemosphere</i> , 2007, 67, 862-871.	4.2	22
1288	Spectroscopic investigation of magnetite surface for the reduction of hexavalent chromium. <i>Chemosphere</i> , 2007, 68, 1968-1975.	4.2	85
1289	Redox reactions in the Fe ²⁺ -As ⁵⁺ -O ₂ system. <i>Chemosphere</i> , 2007, 69, 517-525.	4.2	34
1290	Respiration and denitrification in permeable continental shelf deposits on the South Atlantic Bight: Rates of carbon and nitrogen cycling from sediment column experiments. <i>Continental Shelf Research</i> , 2007, 27, 1801-1819.	0.9	94

#	ARTICLE	IF	CITATIONS
1291	Transformations of mercury, iron, and sulfur during the reductive dissolution of iron oxyhydroxide by sulfide. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 877-894.	1.6	60
1292	Effects of in situ biostimulation on iron mineral speciation in a sub-surface soil. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 835-843.	1.6	54
1293	Influence of biogenic Fe(II) on the extent of microbial reduction of Fe(III) in clay minerals nontronite, illite, and chlorite. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1145-1158.	1.6	137
1294	Geochemistry at the sulfate reduction–methanogenesis transition zone in an anoxic aquifer—A partial equilibrium interpretation using 2D reactive transport modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1949-1966.	1.6	36
1295	Role of Fe(II) and phosphate in arsenic uptake by coprecipitation. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3193-3210.	1.6	62
1296	Arsenic in groundwater of the Red River floodplain, Vietnam: Controlling geochemical processes and reactive transport modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5054-5071.	1.6	340
1297	Non-haem iron availability from pork meat: Impact of heat treatments and meat protein dose. <i>Meat Science</i> , 2007, 76, 29-37.	2.7	10
1298	Subsurface bio-mediated reduction of higher-valent uranium and plutonium. <i>Journal of Alloys and Compounds</i> , 2007, 444-445, 376-382.	2.8	20
1299	Degradation of Disinfection Byproducts by Carbonate Green Rust. <i>Environmental Science & Technology</i> , 2007, 41, 1615-1621.	4.6	39
1300	Chapter 11 Biogeochemical Uranium Redox Transformations: Potential Oxidants of Uraninite. <i>Developments in Earth and Environmental Sciences</i> , 2007, , 293-319.	0.1	8
1301	The general transition metal (Tro) and Zn ²⁺ (Znu) transporters in <i>Treponema pallidum</i> : analysis of metal specificities and expression profiles. <i>Molecular Microbiology</i> , 2007, 65, 137-152.	1.2	79
1302	Use of Iron-Containing Mesoporous Carbon (IMC) for Arsenic Removal from Drinking Water. <i>Environmental Engineering Science</i> , 2007, 24, 113-121.	0.8	54
1303	Undergraduate Analytical Chemistry: To Use and Evaluate Organic Chelators for Spectrophotometric Determination of Iron. <i>Spectroscopy Letters</i> , 2007, 40, 439-452.	0.5	2
1304	Kinetics of Reductive Dissolution of Hematite by Bio-reduced Anthraquinone-2,6-disulfonate. <i>Environmental Science & Technology</i> , 2007, 41, 7730-7735.	4.6	80
1305	Polyphenol Content and Antioxidative Activity in Some Species of Freshly Consumed Salads. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1724-1729.	2.4	144
1306	Reduction of Cr(VI) under Acidic Conditions by the Facultative Fe(III)-Reducing Bacterium <i>Acidiphilium cryptum</i> . <i>Environmental Science & Technology</i> , 2007, 41, 146-152.	4.6	72
1307	Electron Transfer Capacities and Reaction Kinetics of Peat Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2007, 41, 139-145.	4.6	134
1308	Mechanistic studies of reactions of coordination compounds. Some recent highlights. <i>Journal of Coordination Chemistry</i> , 2007, 60, 1-51.	0.8	32

#	ARTICLE	IF	CITATIONS
1309	Phosphate Imposed Limitations on Biological Reduction and Alteration of Ferrihydrite. <i>Environmental Science & Technology</i> , 2007, 41, 166-172.	4.6	160
1310	Identification of iron-regulated cellular proteins, Fe ³⁺ -reducing and -chelating compounds, in the white-rot fungus <i>Perenniporia medulla-panis</i> . <i>Canadian Journal of Microbiology</i> , 2007, 53, 1323-1329.	0.8	2
1311	Organic Acid-Dependent Iron Mineral Formation by a Newly Isolated Iron-Reducing Bacterium, <i>Shewanella</i> sp. HN-41. <i>Geomicrobiology Journal</i> , 2007, 24, 31-41.	1.0	48
1312	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
1313	Characterization and Quantification of Reversible Redox Sites in Humic Substances. <i>Environmental Science & Technology</i> , 2007, 41, 7844-7850.	4.6	260
1314	Assessing Iron-Mediated Oxidation of Toluene and Reduction of Nitroaromatic Contaminants in Anoxic Environments Using Compound-Specific Isotope Analysis. <i>Environmental Science & Technology</i> , 2007, 41, 7773-7780.	4.6	46
1315	Superoxide Mediated Reduction of Organically Complexed Iron(III): A Comparison of Non-Dissociative and Dissociative Reduction Pathways. <i>Environmental Science & Technology</i> , 2007, 41, 3205-3212.	4.6	57
1316	Speciation-Dependent Microbial Reduction of Uranium within Iron-Coated Sands. <i>Environmental Science & Technology</i> , 2007, 41, 7343-7348.	4.6	43
1317	Kinetic Analysis of Microbial Reduction of Fe(III) in Nontronite. <i>Environmental Science & Technology</i> , 2007, 41, 2437-2444.	4.6	41
1318	Distribution and Abiotic Degradation of Chlorinated Solvents in Heated Field Samples. <i>Environmental Science & Technology</i> , 2007, 41, 1729-1734.	4.6	13
1319	Biological Reduction of Np(V) and Np(V) Citrate by Metal-Reducing Bacteria. <i>Environmental Science & Technology</i> , 2007, 41, 2764-2769.	4.6	53
1320	Selected Chloro-Organic Detoxifications by Polychelate (Poly(acrylic acid)) and Citrate-Based Fenton Reaction at Neutral pH Environment. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7984-7992.	1.8	32
1321	Effect of Natural Organic Matter on Zinc Inhibition of Hematite Bioreduction by <i>Shewanella putrefaciens</i> CN32. <i>Environmental Science & Technology</i> , 2007, 41, 5284-5290.	4.6	6
1322	Transformation of Hematite into Magnetite During Dissimilatory Iron Reduction – Conditions and Mechanisms. <i>Geomicrobiology Journal</i> , 2007, 24, 403-416.	1.0	49
1323	Laboratory Investigations of Enhanced Sulfate Reduction as a Groundwater Arsenic Remediation Strategy. <i>Environmental Science & Technology</i> , 2007, 41, 6718-6724.	4.6	75
1324	Iron-Mediated Microbial Oxidation and Abiotic Reduction of Organic Contaminants under Anoxic Conditions. <i>Environmental Science & Technology</i> , 2007, 41, 7765-7772.	4.6	52
1325	Hydrogen Thresholds and Steady-State Concentrations Associated with Microbial Arsenate Respiration. <i>Environmental Science & Technology</i> , 2007, 41, 2311-2317.	4.6	21
1326	Modeling the Effect of Polychromatic Light in Quantitative Absorbance Spectroscopy. <i>Journal of Chemical Education</i> , 2007, 84, 1021.	1.1	4

#	ARTICLE	IF	CITATIONS
1327	Chapter 12 Phosphate Interactions with Iron (Hydr)oxides: Mineralization Pathways and Phosphorus Retention upon Bioreduction. <i>Developments in Earth and Environmental Sciences</i> , 2007, , 321-348.	0.1	18
1328	A role for mrgA, a DPS family protein, in the internal transport of Fe in the cyanobacterium <i>Synechocystis</i> sp. PCC6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 814-819.	0.5	79
1329	Sorption of Mercuric Ion by Synthetic Nanocrystalline Mackinawite (FeS). <i>Environmental Science & Technology</i> , 2007, 41, 7699-7705.	4.6	150
1330	Short-term Response of Soil Iron to Nitrate Addition. <i>Soil Science Society of America Journal</i> , 2007, 71, 108-117.	1.2	24
1331	Natural attenuation of naphthalene and benzene at a former gasworks site. <i>Water Science and Technology: Water Supply</i> , 2007, 7, 145-153.	1.0	4
1332	Solubility of Symplectite (Ferrous Arsenate): Implications for Reduced Groundwaters and Other Geochemical Environments. <i>Soil Science Society of America Journal</i> , 2007, 71, 101-107.	1.2	58
1333	Quantifying Constraints Imposed by Calcium and Iron on Bacterial Reduction of Uranium(VI). <i>Journal of Environmental Quality</i> , 2007, 36, 363-372.	1.0	46
1334	The synergistic action of ligninolytic enzymes (MnP and Laccase) and Fe ³⁺ -reducing activity from white-rot fungi for degradation of Azure B. <i>Enzyme and Microbial Technology</i> , 2007, 42, 17-22.	1.6	52
1335	Biodegradability and groundwater pollutant potential of organic anti-freeze liquids used in borehole heat exchangers. <i>Geothermics</i> , 2007, 36, 348-361.	1.5	60
1336	Synthesis and evaluation of iron-containing ordered mesoporous carbon (FeOMC) for arsenic adsorption. <i>Microporous and Mesoporous Materials</i> , 2007, 102, 265-273.	2.2	100
1337	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
1338	Matrix effects of lupine (<i>Lupinus luteus</i> L.) and rapeseed (<i>Brassica napus</i> L.) products on in vitro non-haem iron availability from pork meat. <i>Journal of Food Composition and Analysis</i> , 2007, 20, 515-522.	1.9	4
1339	Semi-quantitative analysis for selecting Fe- and Zn-dense genotypes of staple food crops. <i>Journal of Food Composition and Analysis</i> , 2007, 20, 496-505.	1.9	40
1340	The effect of a catecholate chelator as a redox agent in Fenton-based reactions on degradation of lignin-model substrates and on COD removal from effluent of an ECF kraft pulp mill. <i>Journal of Hazardous Materials</i> , 2007, 141, 273-279.	6.5	28
1341	Microbial sulfate reduction and metal attenuation in pH 4 acid mine water. <i>Geochemical Transactions</i> , 2007, 8, 10.	1.8	82
1342	The effect of tidal forcing on biogeochemical processes in intertidal salt marsh sediments. <i>Geochemical Transactions</i> , 2007, 8, 6.	1.8	74
1343	Biological and chemical sulfide oxidation in a <i>Beggiatoa</i> inhabited marine sediment. <i>ISME Journal</i> , 2007, 1, 341-353.	4.4	170
1344	The use of stable isotope probing to identify key iron-reducing microorganisms involved in anaerobic benzene degradation. <i>ISME Journal</i> , 2007, 1, 643-653.	4.4	184

#	ARTICLE	IF	CITATIONS
1345	Ferric and cupric reductase activities by iron-limited cells of the green alga <i>Chlorella kessleri</i> : quantification via oxygen electrode. <i>Physiologia Plantarum</i> , 2007, 131, 070730040023001-???.	2.6	7
1346	Response of <i>Wolfiporia cocos</i> to iron availability: alterations in growth, expression of cellular proteins, Fe ³⁺ -reducing activity and Fe ³⁺ -chelators production. <i>Journal of Applied Microbiology</i> , 2007, 104, 070915215109009-???.	1.4	12
1347	Nitric oxide accumulation is required for molecular and physiological responses to iron deficiency in tomato roots. <i>Plant Journal</i> , 2007, 52, 949-960.	2.8	272
1348	The mechanisms of iron isotope fractionation produced during dissimilatory Fe(III) reduction by <i>Shewanella putrefaciens</i> and <i>Geobacter sulfurreducens</i> . <i>Geobiology</i> , 2007, 5, 169-189.	1.1	224
1349	Acetate, lactate, propionate, and isobutyrate as electron donors for iron and sulfate reduction in Arctic marine sediments, Svalbard. <i>FEMS Microbiology Ecology</i> , 2007, 59, 10-22.	1.3	141
1350	Identification and characterization of a novel acidotolerant Fe(III)-reducing bacterium from a 3000-year-old acidic rock drainage site. <i>FEMS Microbiology Letters</i> , 2007, 268, 151-157.	0.7	16
1351	EFFECTS OF PHOSPHATE, ASCORBIC ACID, Î±-TOCOPHEROL AND SALT WITH NONVACUUM TUMBLING ON LIPID OXIDATION AND WARMED-UP FLAVOR OF ROAST BEEF. <i>Journal of Muscle Foods</i> , 2007, 18, 313-329.	0.5	9
1352	Phosphorus diagenesis in sediment of the Thau Lagoon. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 72, 447-456.	0.9	57
1353	Application of cross-flow ultrafiltration for the determination of colloidal abundances in suboxic ferrous-rich ground waters. <i>Science of the Total Environment</i> , 2007, 372, 636-644.	3.9	26
1354	Degradation of the herbicide dichlobenil and its metabolite BAM in soils and subsurface sediments. <i>Journal of Contaminant Hydrology</i> , 2007, 89, 157-173.	1.6	41
1355	Metal reduction and biomineralization by an alkaliphilic metal-reducing bacterium, <i>Alkaliphilus metalliredigens</i> (QYMF). <i>Geosciences Journal</i> , 2007, 11, 415-423.	0.6	46
1356	Characterization of a novel ferredoxin with N-terminal extension from <i>Clostridium acetobutylicum</i> ATCC 824. <i>Archives of Microbiology</i> , 2007, 187, 161-169.	1.0	3
1357	Role of Hydrous Iron Oxide Formation in Attenuation and Diel Cycling of Dissolved Trace Metals in a Stream Affected by Acid Rock Drainage. <i>Water, Air, and Soil Pollution</i> , 2007, 181, 247-263.	1.1	28
1358	Paleolimnological Records of Nutrient and Metal Profiles in Prehistoric, Historic and Modern Sediments of Three Lakes in North-eastern Germany. <i>Water, Air, and Soil Pollution</i> , 2007, 184, 183-194.	1.1	20
1359	The effects of <i>Acidithiobacillus ferrooxidans</i> on the leaching of cobalt and strontium adsorbed onto soil particles. <i>Environmental Geochemistry and Health</i> , 2007, 29, 303-312.	1.8	14
1360	Stimulation of sulfate reduction rates in Mediterranean fish farm sediments inhabited by the seagrass <i>Posidonia oceanica</i> . <i>Biogeochemistry</i> , 2007, 85, 169-184.	1.7	53
1361	Transient States in Diagenesis Following the Deposition of a Gravity Layer: Dynamics of O ₂ , Mn, Fe and N-Species in Experimental Units. <i>Aquatic Geochemistry</i> , 2007, 13, 157-172.	1.5	22
1362	Iron Additions Reduce Sulfide Intrusion and Reverse Seagrass (<i>Posidonia oceanica</i>) Decline in Carbonate Sediments. <i>Ecosystems</i> , 2007, 10, 745-756.	1.6	40

#	ARTICLE	IF	CITATIONS
1363	Shewanella putrefaciens produces an Fe(III)-solubilizing organic ligand during anaerobic respiration on insoluble Fe(III) oxides. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1760-1767.	1.5	102
1364	Comparison of the kinetics of iron release from a marine (<i>Trichodesmium erythraeum</i>) Dps protein and mammalian ferritin in the presence and absence of ligands. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1686-1691.	1.5	18
1365	Porewater biogeochemistry and soil metabolism in dwarf red mangrove habitats (Twin Cays, Belize). <i>Biogeochemistry</i> , 2008, 87, 181-198.	1.7	66
1366	Hydrologic and biogeochemical controls on trace element export from northern Wisconsin wetlands. <i>Biogeochemistry</i> , 2008, 89, 273-294.	1.7	44
1367	Mitigation of Diffuse Phosphorus Pollution during Rewetting of Fen Peat Soils: A Trans-European Case Study. <i>Water, Air, and Soil Pollution</i> , 2008, 188, 111-126.	1.1	39
1368	Mechanisms of Phosphorus Control in Urban Streams Receiving Sewage Effluent. <i>Water, Air, and Soil Pollution</i> , 2008, 191, 217-229.	1.1	22
1369	Plant/microbe cooperation for electricity generation in a rice paddy field. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 43-49.	1.7	266
1370	Fe(II)-initiated reduction of hexavalent chromium in heterogeneous iron oxide suspension. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 764-769.	1.2	11
1371	Seasonal Influence of the Needle Rush <i>Juncus roemarianus</i> on Saltmarsh Pore Water Geochemistry. <i>Estuaries and Coasts</i> , 2008, 31, 70-84.	1.0	9
1372	The effects of metamorphism on O and Fe isotope compositions in the Biwabik Iron Formation, northern Minnesota. <i>Contributions To Mineralogy and Petrology</i> , 2008, 155, 313-328.	1.2	60
1373	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
1374	Application of surface complexation modeling to the reactivity of iron(II) with nitroaromatic and oxime carbamate contaminants in aqueous TiO ₂ suspensions. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 350-359.	5.0	18
1375	Role of tidal pumping on nutrient cycling in a temperate lagoon (Arcachon Bay, France). <i>Marine Chemistry</i> , 2008, 109, 98-114.	0.9	61
1376	Aggregation of riverine colloidal iron in estuaries: A new kinetic study using stopped-flow mixing. <i>Marine Chemistry</i> , 2008, 110, 205-210.	0.9	40
1377	Transformation dynamics and reactivity of dissolved and colloidal iron in coastal waters. <i>Marine Chemistry</i> , 2008, 110, 165-175.	0.9	24
1378	Mobility of Mo, U, As, and Sb within modern turbidites. <i>Marine Geology</i> , 2008, 254, 171-179.	0.9	45
1379	Application of photothermal deflection spectroscopy for the determination of iron(II) with ferrozine with sorption preconcentration on Silufol. <i>European Physical Journal: Special Topics</i> , 2008, 153, 41-44.	1.2	0
1380	Active Bacterial Populations and Grazing Impact Revealed by an In Situ Experiment in a Shallow Aquifer. <i>Geomicrobiology Journal</i> , 2008, 25, 131-141.	1.0	16

#	ARTICLE	IF	CITATIONS
1381	Rates of anaerobic microbial metabolism in wetlands of divergent hydrology on a glacial landscape. <i>Wetlands</i> , 2008, 28, 703-714.	0.7	15
1382	Direct and indirect photolysis of polycyclic aromatic hydrocarbons in nitrate-rich surface waters. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1643-1648.	2.2	57
1383	Microbiological Response to Well Pumping. <i>Ground Water</i> , 2008, 46, 286-294.	0.7	23
1384	An electricity-generating prosthecate bacterium strain Mfc52 isolated from a microbial fuel cell. <i>FEMS Microbiology Letters</i> , 2008, 288, 55-61.	0.7	17
1385	Physiology of phototrophic iron(II)-oxidizing bacteria: implications for modern and ancient environments. <i>FEMS Microbiology Ecology</i> , 2008, 66, 250-260.	1.3	175
1386	Bacteria associated with iron seeps in a sulfur-rich, neutral pH, freshwater ecosystem. <i>ISME Journal</i> , 2008, 2, 1231-1242.	4.4	86
1387	Results of monitoring of the changes in the hydrochemical structure of the central and Southern Caspian Sea over 1995-2005. <i>Oceanology</i> , 2008, 48, 212-216.	0.3	5
1388	Alternating Si and Fe deposition caused by temperature fluctuations in Precambrian oceans. <i>Nature Geoscience</i> , 2008, 1, 703-708.	5.4	138
1389	Glyphosate inhibition of ferric reductase activity in iron deficient sunflower roots. <i>New Phytologist</i> , 2008, 177, 899-906.	3.5	45
1390	Redox-reactive membrane vesicles produced by <i>Shewanella</i> . <i>Geobiology</i> , 2008, 6, 232-241.	1.1	87
1391	Identification of intermediates formed during anaerobic benzene degradation by an iron-reducing enrichment culture. <i>Environmental Microbiology</i> , 2008, 10, 1703-1712.	1.8	63
1392	Sedimentary iron inputs stimulate seagrass (<i>Posidonia oceanica</i>) population growth in carbonate sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 76, 710-713.	0.9	16
1393	Tidally driven pore water exchange in offshore intertidal sandbanks: Part I. Field measurements. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 121-132.	0.9	25
1394	Evaluating mobilization and transport of arsenic in sediments and groundwaters of Aquia aquifer, Maryland, USA. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 68-84.	1.6	70
1395	Partitioning of Fe(II) in reduced nontronite (NAu-2) to reactive sites: reactivity in terms of Tc(VII) reduction. <i>Clays and Clay Minerals</i> , 2008, 56, 175-189.	0.6	64
1396	Role of Microbial Fe(III) Reduction and Solution Chemistry in Aggregation and Settling of Suspended Particles in the Mississippi River Delta Plain, Louisiana, USA. <i>Clays and Clay Minerals</i> , 2008, 56, 416-428.	0.6	20
1397	Reduction of 2,4,6-Trinitrotoluene and Hexahydro-1,3,5-trinitro-1,3,5-triazine by Hydroxyl-Complexed Fe(II). <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 937-943.	0.7	6
1398	Oxygenation of Fe(II) in the Presence of Citrate in Aqueous Solutions at pH 6.0-8.0 and 25 °C: Interpretation from an Fe(II)/Citrate Speciation Perspective. <i>Journal of Physical Chemistry A</i> , 2008, 112, 643-651.	1.1	63

#	ARTICLE	IF	CITATIONS
1399	Fluorophore-Conjugated Iron Oxide Nanoparticle Labeling and Analysis of Engrafting Human Hematopoietic Stem Cells. <i>Stem Cells</i> , 2008, 26, 517-524.	1.4	56
1400	Factors Affecting Methylmercury Levels in Surficial Tailings from Historical Nova Scotia Gold Mines. <i>Geomicrobiology Journal</i> , 2008, 25, 112-129.	1.0	8
1401	Early diagenetic cycling, incineration, and burial of sedimentary organic carbon in the central Gulf of Papua (Papua New Guinea). <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	71
1402	Suspended sediments in river ecosystems: Photochemical sources of dissolved organic carbon, dissolved organic nitrogen, and adsorptive removal of dissolved iron. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46
1403	Kinetics of Microbial and Chemical Reduction of Humic Substances: Implications for Electron Shuttling. <i>Environmental Science & Technology</i> , 2008, 42, 3563-3569.	4.6	257
1404	Effect of packaging conditions on shelf-life of ostrich steaks. <i>Meat Science</i> , 2008, 78, 143-152.	2.7	72
1405	Characterization of hematite dissolution affected by oxalate coating, kinetics and pH. <i>Applied Geochemistry</i> , 2008, 23, 783-793.	1.4	52
1406	High-resolution monitoring of biogeochemical gradients in a tar oil-contaminated aquifer. <i>Applied Geochemistry</i> , 2008, 23, 1715-1730.	1.4	125
1407	Field application of calcite Dispersed Alkaline Substrate (calcite-DAS) for passive treatment of acid mine drainage with high Al and metal concentrations. <i>Applied Geochemistry</i> , 2008, 23, 1660-1674.	1.4	61
1408	Accurate determination of Fe(II) concentrations in the presence of a very high soluble Fe(III) background. <i>Applied Geochemistry</i> , 2008, 23, 2123-2129.	1.4	26
1409	Palaeo-hydrogeological control on groundwater As levels in Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3116-3126.	1.4	36
1410	Ferrous iron transport protein B gene (<i>feoB1</i>) plays an accessory role in magnetosome formation in <i>Magnetospirillum gryphiswaldense</i> strain MSR-1. <i>Research in Microbiology</i> , 2008, 159, 530-536.	1.0	81
1411	Degradation of trichloronitromethane by iron water main corrosion products. <i>Water Research</i> , 2008, 42, 2043-2050.	5.3	24
1412	Iron Bioavailability to Piglets from Red and White Common Beans (<i>Phaseolus vulgaris</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5008-5014.	2.4	23
1413	Photothermal Deflection Determination of Iron(II) with Ferrozine with Sorption Preconcentration on Silufol Plates. <i>Applied Spectroscopy</i> , 2008, 62, 450-457.	1.2	5
1414	Microbial Mn(IV) and Fe(III) reduction in northern Barents Sea sediments under different conditions of ice cover and organic carbon deposition. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 2390-2398.	0.6	47
1415	Iron redox dynamics in the surface waters of the Gulf of Aqaba, Red Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1540-1554.	1.6	38
1416	Structural study of Fe(II) adsorption on hematite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si15.gif" overflow="scroll"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mover>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 57.6 d (accent="true"		

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1417	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
1418	Oxygenation of Fe(II) in natural waters revisited: Kinetic modeling approaches, rate constant estimation and the importance of various reaction pathways. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3616-3630.	1.6	138
1419	The role of volatile exsolution and sub-solidus fluid/rock interactions in producing high ⁵⁶ Fe/ ⁵⁴ Fe ratios in siliceous igneous rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4379-4396.	1.6	163
1420	Limitations of the ferrozine method for quantitative assay of mineral systems for ferrous and total iron. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5001-5008.	1.6	63
1421	Fe ²⁺ sorption onto nontronite (NAu-2). <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5361-5371.	1.6	50
1422	Superoxide-mediated Fe(II) formation from organically complexed Fe(III) in coastal waters. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 6079-6089.	1.6	40
1423	An iron isotope signature related to electron transfer between aqueous ferrous iron and goethite. <i>Chemical Geology</i> , 2008, 250, 40-48.	1.4	48
1424	Photoreduction fuels biogeochemical cycling of iron in Spain's acid rivers. <i>Chemical Geology</i> , 2008, 252, 202-213.	1.4	27
1425	Influence of <i>Spartina</i> and <i>Juncus</i> on Saltmarsh Sediments. I. Pore Water Geochemistry. <i>Chemical Geology</i> , 2008, 255, 87-99.	1.4	46
1426	Geochemical controls of elevated arsenic concentrations in groundwater, Ester Dome, Fairbanks district, Alaska. <i>Chemical Geology</i> , 2008, 255, 160-172.	1.4	51
1427	Remediating explosive-contaminated groundwater by in situ redox manipulation (ISRM) of aquifer sediments. <i>Chemosphere</i> , 2008, 71, 933-941.	4.2	42
1428	Respiration and denitrification in permeable continental shelf deposits on the South Atlantic Bight: N ₂ :Ar and isotope pairing measurements in sediment column experiments. <i>Continental Shelf Research</i> , 2008, 28, 602-613.	0.9	50
1429	Factors controlling temporal and spatial distribution of total mercury and methylmercury in hyporheic sediments of the Allequash Creek wetland, northern Wisconsin. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
1430	Methylmercury production in a Chesapeake Bay salt marsh. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	83
1431	Microbial Reduction of Fe(III) in Hematite Nanoparticles by <i>Geobacter sulfurreducens</i> . <i>Environmental Science & Technology</i> , 2008, 42, 6526-6531.	4.6	65
1432	Geochemistry of Iron, Sulfur and Related Heavy Metals in Metal-Polluted Taihu Lake Sediments. <i>Pedosphere</i> , 2008, 18, 564-573.	2.1	35
1433	Fate of the Nitritotriacetic Acid-Fe(III) Complex during Photodegradation and Biodegradation by <i>Rhodococcus rhodochrous</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 6320-6326.	1.4	20
1434	Expression of Green Fluorescent Protein Fused to Magnetosome Proteins in Microaerophilic Magnetotactic Bacteria. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4944-4953.	1.4	91

#	ARTICLE	IF	CITATIONS
1435	DIVERSITY OF SULFATE-REDUCING GENES (<i>dsrAB</i>) IN SEDIMENTS FROM PUGET SOUND. Environmental Technology (United Kingdom), 2008, 29, 1095-1108.	1.2	13
1436	Fe ²⁺ -Catalyzed Formation of Nitriles and Thionamides from Intact Glucosinolates. Journal of Natural Products, 2008, 71, 76-80.	1.5	42
1437	pH-Dependent Adsorption and Conformational Change of Ferritin Studied on Metal Oxide Surfaces by a Combination of QCM-D and AFM. Journal of Physical Chemistry C, 2008, 112, 4180-4186.	1.5	47
1438	Removal of Arsenic from Contaminated Soils by Microbial Reduction of Arsenate and Quinone. Environmental Science & Technology, 2008, 42, 6154-6159.	4.6	47
1439	Effects of Electron Transfer Mediators on the Bioreduction of Lepidocrocite (⁵⁷ FeOOH) by <i>Shewanella putrefaciens</i> CN32. Environmental Science & Technology, 2008, 42, 6876-6882.	4.6	119
1440	Photochemistry of Iron in Simulated Crustal Aerosols with Dimethyl Sulfide Oxidation Products. Environmental Science & Technology, 2008, 42, 133-139.	4.6	17
1441	Modeling the Kinetics of Fe(II) Oxidation in the Presence of Citrate and Salicylate in Aqueous Solutions at pH 6.0-8.0 and 25 °C. Journal of Physical Chemistry A, 2008, 112, 5395-5405.	1.1	46
1442	Sequential Use of Bentonites and Solar Photocatalysis to Treat Winery Wastewater. Journal of Agricultural and Food Chemistry, 2008, 56, 11956-11961.	2.4	7
1443	Oxidation State and Size of Fe Controlled by Organic Matter in Natural Waters. Environmental Science & Technology, 2008, 42, 3575-3581.	4.6	48
1444	Carbon and Hydrogen Isotope Fractionation during Anaerobic Toluene Oxidation by <i>Geobacter metallireducens</i> with Different Fe(III) Phases as Terminal Electron Acceptors. Environmental Science & Technology, 2008, 42, 7786-7792.	4.6	52
1445	Effect of pH on the Oxidation of Ferrous Ion and Immobilization Technology of Iron Hydr(oxide) in Fluidized Bed Reactor. Separation Science and Technology, 2008, 43, 1632-1641.	1.3	8
1446	Analysis of the Nitric Oxide-sensing Non-heme Iron Center in the NorR Regulatory Protein. Journal of Biological Chemistry, 2008, 283, 908-918.	1.6	46
1447	Novel Mechanism for Conditional Aerobic Growth of the Anaerobic Bacterium <i>Treponema denticola</i> . Applied and Environmental Microbiology, 2008, 74, 73-79.	1.4	22
1448	Metabolic promiscuity from the deep subsurface: a story of survival or superiority. Proceedings of SPIE, 2008, , .	0.8	0
1449	Availability of iron from iron-storage proteins to marine phytoplankton. Limnology and Oceanography, 2008, 53, 890-899.	1.6	9
1450	(2 <i>R</i>)-[(4-Biphenylsulfonyl)amino]- <i>N</i> -hydroxy-3-phenylpropionamide (BiPS), a Matrix Metalloprotease Inhibitor, Is a Novel and Potent Activator of Hypoxia-Inducible Factors. Molecular Pharmacology, 2008, 74, 282-288.	1.0	9
1451	Iron-deficiency anaemia enhances red blood cell oxidative stress. Free Radical Research, 2008, 42, 824-829.	1.5	120
1452	The O ₂ -scavenging Flavodiiron Protein in the Human Parasite <i>Giardia intestinalis</i> . Journal of Biological Chemistry, 2008, 283, 4061-4068.	1.6	107

#	ARTICLE	IF	CITATIONS
1453	Do water regimes affect iron plaque formation and microbial communities in the rhizosphere of paddy rice?. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 193-199.	1.1	50
1454	Utilization of DNA as a Sole Source of Phosphorus, Carbon, and Energy by <i>Shewanella</i> spp.: Ecological and Physiological Implications for Dissimilatory Metal Reduction. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1198-1208.	1.4	129
1455	Degradation of Halogenated Disinfection Byproducts in Water Distribution Systems. <i>ACS Symposium Series</i> , 2008, , 334-348.	0.5	4
1456	Waste Package Corrosion Studies Using Small Mockup Experiments. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1107, 1.	0.1	1
1457	Environmental parameters affect the physical properties of fast-growing magnetosomes. <i>American Mineralogist</i> , 2008, 93, 463-469.	0.9	90
1458	Comparison of Microbial and Photochemical Processes and Their Combination for Degradation of 2-Aminobenzothiazole. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2976-2984.	1.4	16
1459	Involvement of Fumarase C and NADH Oxidase in Metabolic Adaptation of <i>Pseudomonas fluorescens</i> Cells Evoked by Aluminum and Gallium Toxicity. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3977-3984.	1.4	49
1460	Microbial Dissolution of Silver Jarosite: Examining Its Trace Metal Behaviour in Reduced Environments. <i>Geomicrobiology Journal</i> , 2008, 25, 415-424.	1.0	23
1461	Nitrogen biogeochemistry of submarine groundwater discharge. <i>Limnology and Oceanography</i> , 2008, 53, 1025-1039.	1.6	175
1462	Rainwater as a source of Fe(II)-stabilizing ligands to seawater. <i>Limnology and Oceanography</i> , 2008, 53, 1678-1684.	1.6	47
1463	Passive Treatment of Acid Mine Drainage with High Metal Concentrations Using Dispersed Alkaline Substrate. <i>Journal of Environmental Quality</i> , 2008, 37, 1741-1751.	1.0	47
1464	Mechanism of Superoxide-Mediated Fe(II) Production from Organically Complexed Fe(III) in Coastal Seawater: Kinetic Model of Fe(II) Production Developed Using Fe(III)-Citrate Complex. <i>Journal of Japan Society on Water Environment</i> , 2008, 31, 101-108.	0.1	0
1465	Bacterial biomass and productivity within different subsurface hydrologic environments of a sandy, low elevation river in north-central Minnesota, USA. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 203-212.	0.1	0
1466	Nutrient chemistry, transformation and release in riparian groundwater seep discharge during the final meter of subsurface transport, Minnesota, USA. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 435-440.	0.1	0
1467	Nitrite Reduction by Siderite. <i>Soil Science Society of America Journal</i> , 2008, 72, 1070-1077.	1.2	66
1468	Regulation of anaerobic methane oxidation in sediments of the Black Sea. <i>Biogeosciences</i> , 2009, 6, 1505-1518.	1.3	66
1469	Iron(III) Bioreduction in Soil in the Presence of Added Humic Substances. <i>Soil Science Society of America Journal</i> , 2009, 73, 65-71.	1.2	67
1470	Nickel incorporation in Fe(II, III) hydroxysulfate Green Rust: effect on crystal lattice spacing and oxidation products. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 1115-1123.	0.5	12

#	ARTICLE	IF	CITATIONS
1471	Iron-Functionalized Membranes for Nanoparticle Synthesis and Reactions. Separation Science and Technology, 2009, 44, 3289-3311.	1.3	17
1472	Analyses of Current-Generating Mechanisms of <i>Shewanella loihica</i> PV-4 and <i>Shewanella oneidensis</i> MR-1 in Microbial Fuel Cells. Applied and Environmental Microbiology, 2009, 75, 7674-7681.	1.4	136
1473	Structural and Mechanistic Studies of a Stabilized Subunit Dimer Variant of Escherichia coli Bacterioferritin Identify Residues Required for Core Formation. Journal of Biological Chemistry, 2009, 284, 18873-18881.	1.6	23
1474	Anaerobic Respiration of Elemental Sulfur and Thiosulfate by <i>Shewanella oneidensis</i> MR-1 Requires <i>psrA</i> , a Homolog of the <i>phtA</i> Gene of <i>Salmonella enterica</i> Serovar Typhimurium LT2. Applied and Environmental Microbiology, 2009, 75, 5209-5217.	1.4	117
1475	Biomineralization associated with microbial reduction of Fe ³⁺ and oxidation of Fe ²⁺ in solid minerals. American Mineralogist, 2009, 94, 1049-1058.	0.9	30
1476	Composition and Activity of an Autotrophic Fe(II)-Oxidizing, Nitrate-Reducing Enrichment Culture. Applied and Environmental Microbiology, 2009, 75, 6937-6940.	1.4	110
1477	<i>Rhodobacter capsulatus</i> Catalyzes Light-Dependent Fe(II) Oxidation under Anaerobic Conditions as a Potential Detoxification Mechanism. Applied and Environmental Microbiology, 2009, 75, 6639-6646.	1.4	53
1478	Iron Differentially Regulates Gene Expression and Extracellular Secretion of <i>Vibrio vulnificus</i> Cytolysin-Hemolysin. Journal of Infectious Diseases, 2009, 200, 582-589.	1.9	20
1479	Geochemistry and Stable Isotopes of the Flooded Underground Mine Workings of Butte, Montana. Economic Geology, 2009, 104, 1213-1234.	1.8	19
1480	The Use of Flow-Injection Analysis with Chemiluminescence Detection of Aqueous Ferrous Iron in Waters Containing High Concentrations of Organic Compounds. Sensors, 2009, 9, 4390-4406.	2.1	13
1481	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) Reduction Is Concurrently Mediated by Direct Electron Transfer from Hydroquinones and Resulting Biogenic Fe(II) Formed During Electron Shuttle-Amended Biodegradation. Environmental Engineering Science, 2009, 26, 961-971.	0.8	17
1482	Kinetic Characterization of OmcA and MtrC, Terminal Reductases Involved in Respiratory Electron Transfer for Dissimilatory Iron Reduction in <i>Shewanella oneidensis</i> MR-1. Applied and Environmental Microbiology, 2009, 75, 5218-5226.	1.4	151
1483	The Influence of Dissimilatory Fe(III) Reducers on Iron Ore Dissolution. Advanced Materials Research, 2009, 71-73, 501-504.	0.3	1
1484	Effects of carbon additions on iron reduction and phosphorus availability in a humid tropical forest soil. Soil Biology and Biochemistry, 2009, 41, 1696-1702.	4.2	140
1485	Experimental manipulation of sediment organic content and water column aeration reduces <i>Zostera marina</i> (eelgrass) growth and survival. Journal of Experimental Marine Biology and Ecology, 2009, 373, 26-34.	0.7	67
1486	Haematological Abnormalities and Reference Intervals in the Elderly. Acta Medica Scandinavica, 1988, 224, 595-604.	0.0	40
1487	Red cell basic ferritin content of patients with megaloblastic anaemia due to vitamin B ₁₂ or folate deficiency. Scandinavian Journal of Haematology, 1984, 33, 373-377.	0.0	7
1488	Haematological abnormalities in a 75-year-old population. Consequences for health-related reference intervals. European Journal of Haematology, 1988, 41, 136-146.	1.1	17

#	ARTICLE	IF	CITATIONS
1489	Cadmium-induced changes of antioxidant and metabolic status in red blood cells of rats: in vivo effects. <i>European Journal of Haematology</i> , 1993, 51, 86-92.	1.1	71
1490	Results and Lessons Learned from a Continuous Injection Tracer Test in a Small Mountain Stream Receiving Acid Mine Drainage. <i>Mine Water and the Environment</i> , 2009, 28, 182-193.	0.9	5
1491	Seasonal dynamics of microbial sulfate reduction in temperate intertidal surface sediments: controls by temperature and organic matter. <i>Ocean Dynamics</i> , 2009, 59, 351-370.	0.9	73
1492	Rapid speciation of trace iron in rainwater by reverse flow injection analysis coupled to a long path length liquid waveguide capillary cell and spectrophotometric detection. <i>Mikrochimica Acta</i> , 2009, 166, 221-228.	2.5	19
1493	Rapid organic matter mineralization coupled to iron cycling in intertidal mud flats of the Han River estuary, Yellow Sea. <i>Biogeochemistry</i> , 2009, 92, 231-245.	1.7	66
1494	Metabolic threshold and sulfide-buffering in diffusion controlled marine sediments impacted by continuous organic enrichment. <i>Biogeochemistry</i> , 2009, 95, 335-353.	1.7	69
1495	The Role of Iron Bacteria on Weathering and Attenuation Processes at Acidic Environments. <i>Water, Air, and Soil Pollution</i> , 2009, 199, 203-217.	1.1	3
1496	Fe(II) in coastal rainwater: Changing stability and concentrations. <i>Aquatic Sciences</i> , 2009, 71, 144-150.	0.6	14
1497	Importance of Different Physiological Groups of Iron Reducing Microorganisms in an Acidic Mining Lake Remediation Experiment. <i>Microbial Ecology</i> , 2009, 57, 701-717.	1.4	25
1498	Transformation of iron sulfide to greigite by nitrite produced by oil field bacteria. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 369-376.	1.7	24
1499	Effect of redox conditions on phosphate exchangeability and iron forms in a soil amended with ferrous iron. <i>European Journal of Soil Science</i> , 2009, 60, 386-397.	1.8	19
1500	A low-GC Gram-positive <i>Thermoanaerobacter</i> -like bacterium isolated from an Indian hot spring contains Cr(VI) reduction activity both in the membrane and cytoplasm. <i>Journal of Applied Microbiology</i> , 2009, 106, 2006-2016.	1.4	23
1501	Thermodynamic targeting of microbial perchlorate reduction by selective electron donors. <i>ISME Journal</i> , 2009, 3, 466-476.	4.4	12
1502	Ecophysiology and the energetic benefit of mixotrophic Fe(II) oxidation by various strains of nitrate-reducing bacteria. <i>FEMS Microbiology Ecology</i> , 2009, 70, 335-343.	1.3	152
1503	Electron donor-dependent radionuclide reduction and nanoparticle formation by <i>Anaeromyxobacter dehalogenans</i> strain 2CP. <i>Environmental Microbiology</i> , 2009, 11, 534-543.	1.8	49
1504	Co-occurrence of denitrification and nitrogen fixation in a meromictic lake, Lake Cadagno (Switzerland). <i>Environmental Microbiology</i> , 2009, 11, 1945-1958.	1.8	119
1505	Preliminary characterization and biological reduction of putative biogenic iron oxides (BIOS) from the Tonga-Kermadec Arc, southwest Pacific Ocean. <i>Geobiology</i> , 2009, 7, 35-49.	1.1	51
1506	Phototrophic Fe(II) oxidation in an atmosphere of H ₂ : implications for Archean banded iron formations. <i>Geobiology</i> , 2009, 7, 21-24.	1.1	38

#	ARTICLE	IF	CITATIONS
1507	Precipitation of low-temperature dolomite from an anaerobic microbial consortium: the role of methanogenic Archaea. <i>Geobiology</i> , 2009, 7, 556-565.	1.1	141
1508	Effect of pH and oxalic acid on the reduction of Fe ³⁺ by a biomimetic chelator and on Fe ³⁺ desorption/adsorption onto wood: Implications for brown-rot decay. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 478-483.	1.9	65
1509	Desorption and dissolution of heavy metals from contaminated soil using <i>Shewanella</i> sp. (HN-41) amended with various carbon sources and synthetic soil organic matters. <i>Journal of Hazardous Materials</i> , 2009, 161, 1095-1102.	6.5	26
1510	Type and concentration of redox reagents influencing nitrile formation upon myrosinase (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Overlook 229-236.	1.8	7
1511	UO ₂ corrosion in an iron waste package. <i>Journal of Nuclear Materials</i> , 2009, 384, 130-139.	1.3	11
1512	Methylmercury production in sediments of Chesapeake Bay and the mid-Atlantic continental margin. <i>Marine Chemistry</i> , 2009, 114, 86-101.	0.9	132
1513	Effects of some carboxylic acids on the Fe(III)/UVA photocatalytic oxidation of muconic acid in water. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 214-222.	10.8	56
1514	Photocatalytic degradation of organics in water in the presence of iron oxides: Influence of carboxylic acids. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 240-249.	10.8	76
1515	FerriBRIGHT: A Rationally Designed Fluorescent Probe for Redox Active Metals. <i>Journal of the American Chemical Society</i> , 2009, 131, 8578-8586.	6.6	108
1516	Corrosion and Fate of Depleted Uranium Penetrators under Progressively Anaerobic Conditions in Estuarine Sediment. <i>Environmental Science & Technology</i> , 2009, 43, 350-355.	4.6	16
1517	New Technique for Online Measurement of Water-Soluble Fe(II) in Atmospheric Aerosols. <i>Environmental Science & Technology</i> , 2009, 43, 2425-2430.	4.6	27
1518	Use of Multiparametric Techniques To Quantify the Effects of Naturally Occurring Ligands on the Kinetics of Fe(II) Oxidation. <i>Environmental Science & Technology</i> , 2009, 43, 337-342.	4.6	25
1519	Rates and Extent of Reduction of Fe(III) Compounds and O ₂ by Humic Substances. <i>Environmental Science & Technology</i> , 2009, 43, 4902-4908.	4.6	123
1520	Biogeochemical Controls on the Corrosion of Depleted Uranium Alloy in Subsurface Soils. <i>Environmental Science & Technology</i> , 2009, 43, 6177-6182.	4.6	20
1521	Sorption of Strontium onto Bacteriogenic Iron Oxides. <i>Environmental Science & Technology</i> , 2009, 43, 1008-1014.	4.6	79
1522	PbO ₂ (s, Plattnerite) Reductive Dissolution by Aqueous Manganous and Ferrous Ions. <i>Environmental Science & Technology</i> , 2009, 43, 3596-3603.	4.6	42
1523	Phosphate facilitates Fe(II) oxidative deposition in pea seed (<i>Pisum sativum</i>) ferritin. <i>Biochimie</i> , 2009, 91, 1475-1481.	1.3	17
1524	Large iron isotope fractionation at the oxic-anoxic boundary in Lake Nyos. <i>Earth and Planetary Science Letters</i> , 2009, 285, 52-60.	1.8	70

#	ARTICLE	IF	CITATIONS
1525	Strontium desorption from bacteriogenic iron oxides (BIOS) subjected to microbial Fe(III) reduction. <i>Chemical Geology</i> , 2009, 262, 217-228.	1.4	19
1526	Reduction of Cr(VI) to Cr(III) by Fe(II) in the presence of fulvic acids and in lacustrine pore water. <i>Chemical Geology</i> , 2009, 262, 328-335.	1.4	41
1527	Reduction and long-term immobilization of technetium by Fe(II) associated with clay mineral nontronite. <i>Chemical Geology</i> , 2009, 264, 127-138.	1.4	108
1528	Solubility product of siderite (FeCO ₃) as a function of temperature (25–250°C). <i>Chemical Geology</i> , 2009, 265, 3-12.	1.4	109
1529	Climate change and productivity variations recorded by sedimentary sulfur in Lake Edward, Uganda/D. R. Congo. <i>Chemical Geology</i> , 2009, 264, 337-346.	1.4	17
1530	2-Aminobenzothiazole degradation by free and Ca-alginate immobilized cells of <i>Rhodococcus rhodochrous</i> . <i>Chemosphere</i> , 2009, 75, 121-128.	4.2	18
1531	Redox transformation and biogeochemical interaction of heavy metals in Korean soil using different treatment columns in the presence of <i>Shewanella</i> sp.. <i>Chemosphere</i> , 2009, 77, 501-509.	4.2	8
1532	Corrosion and transport of depleted uranium in sand-rich environments. <i>Chemosphere</i> , 2009, 77, 1434-1439.	4.2	40
1533	Bioreduction of hematite nanoparticles by the dissimilatory iron reducing bacterium <i>Shewanella oneidensis</i> MR-1. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 962-976.	1.6	216
1534	An integrated sulfur isotope model for Namibian shelf sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1924-1944.	1.6	104
1535	Sorption and catalytic oxidation of Fe(II) at the surface of calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1826-1840.	1.6	36
1536	Iron isotope fractionation and atom exchange during sorption of ferrous iron to mineral surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1795-1812.	1.6	82
1537	Experimental studies of equilibrium iron isotope fractionation in ferric aquo–chloro complexes. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2366-2381.	1.6	51
1538	Re–Os and Mo isotope systematics of black shales from the Middle Proterozoic Velkerri and Wollgorang Formations, McArthur Basin, northern Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2534-2558.	1.6	209
1539	Pyrite oxidation during sample storage determines phosphorus fractionation in carbonate-poor anoxic sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3277-3290.	1.6	75
1540	Impact of natural organic matter on H ₂ O ₂ -mediated oxidation of Fe(II) in a simulated freshwater system. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2758-2768.	1.6	50
1541	Microbial reduction of iron(III)-rich nontronite and uranium(VI). <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3523-3538.	1.6	53
1542	Effects of phospholipid on pyrite oxidation in the presence of autotrophic and heterotrophic bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4111-4123.	1.6	26

#	ARTICLE	IF	CITATIONS
1543	Iron isotope systematics in estuaries: The case of North River, Massachusetts (USA). <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4045-4059.	1.6	85
1544	Influence of pH and dissolved Si on Fe isotope fractionation during dissimilatory microbial reduction of hematite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5584-5599.	1.6	54
1545	Effect of arsenic concentration on microbial iron reduction and arsenic speciation in an iron-rich freshwater sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6008-6021.	1.6	11
1546	Mo isotope fractionation during adsorption to Fe (oxyhydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6502-6516.	1.6	248
1547	Dechlorination of trichloroethylene by Ni/Fe nanoparticles immobilized in PEG/PVDF and PEG/nylon 66 membranes. <i>Water Research</i> , 2009, 43, 3086-3094.	5.3	96
1548	Uranium reduction and resistance to reoxidation under iron-reducing and sulfate-reducing conditions. <i>Water Research</i> , 2009, 43, 4652-4664.	5.3	29
1549	Naturally acidic surface and ground waters draining porphyry-related mineralized areas of the Southern Rocky Mountains, Colorado and New Mexico. <i>Applied Geochemistry</i> , 2009, 24, 255-267.	1.4	31
1550	Sulfur geochemistry of hydrothermal waters in Yellowstone National Park: IV Acid sulfate waters. <i>Applied Geochemistry</i> , 2009, 24, 191-207.	1.4	136
1551	Microbial reduction of ferrous arsenate: Biogeochemical implications for arsenic mobilization. <i>Applied Geochemistry</i> , 2009, 24, 2332-2341.	1.4	33
1552	The formation of iron plaques on roots and rhizomes of the seagrass <i>Cymodocea serrulata</i> (R.) Tj ETQq1 1 0.784314 r gBT / Overlock 10 0.85 34	0.85	34
1553	Redox properties of the oxygen-detoxifying flavodiiron protein from the human parasite <i>Giardia intestinalis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2009, 488, 9-13.	1.4	40
1554	PGRL1 Participates in Iron-induced Remodeling of the Photosynthetic Apparatus and in Energy Metabolism in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 32770-32781.	1.6	81
1555	Microcosm-based Study of the Attenuation of an Acid Mine Drainage-Impacted Site through Biological Sulfate and Iron Reduction. <i>Geomicrobiology Journal</i> , 2009, 26, 9-20.	1.0	18
1556	Limitations of the Tetramethylurexide Assay for Investigating the Fe(II) Chelation Activity of Phenolic Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6425-6431.	2.4	27
1557	Role of Iron and Hydroperoxides in the Degradation of Lycopene in Oil-in-Water Emulsions. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2993-2998.	2.4	106
1558	Intracellular Precipitation of Pb by <i>Shewanella putrefaciens</i> CN32 during the Reductive Dissolution of Pb-Jarosite. <i>Environmental Science & Technology</i> , 2009, 43, 8086-8091.	4.6	32
1559	Photoinduced Electron Storage in WO ₃ /TiO ₂ Nanohybrid Material in the Presence of Oxygen and Postirradiated Reduction of Heavy Metal Ions. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13160-13165.	1.5	94
1560	Investigation of Wüstite (FeO) Dissolution: Implications for Reductive Dissolution of Ferric Oxides. <i>Environmental Science & Technology</i> , 2009, 43, 1086-1090.	4.6	16

#	ARTICLE	IF	CITATIONS
1561	Potential for Iron-reduction and Iron-cycling in Iron Oxyhydroxide-rich Microbial Mats at Loihi Seamount. <i>Geomicrobiology Journal</i> , 2009, 26, 639-647.	1.0	69
1562	Dissolution Morphology of Iron (Oxy)(Hydr)Oxides Exposed to the Dissimilatory Iron-Reducing Bacterium <i>Shewanella oneidensis</i> MR-1. <i>Geomicrobiology Journal</i> , 2009, 26, 83-92.	1.0	9
1563	ZinCast-1: a photochemically active chelator for Zn ²⁺ . <i>Chemical Communications</i> , 2009, , 6967.	2.2	25
1564	The Influence of Carbon Source on the Products of Dissimilatory Iron Reduction. <i>Geomicrobiology Journal</i> , 2009, 26, 451-462.	1.0	15
1565	A Comparison of the Rates of Fe(III) Reduction in Synthetic and Bacteriogenic Iron Oxides by <i>Shewanella putrefaciens</i> CN32. <i>Geomicrobiology Journal</i> , 2009, 26, 57-70.	1.0	39
1566	Effects of Nickel and Soil Humic Acid During Biological Hematite Reduction by <i>Shewanella putrefaciens</i> CN32. <i>Environmental Engineering Science</i> , 2009, 26, 841-848.	0.8	3
1567	Photochemical Fate of Sulfadimethoxine in Aquaculture Waters. <i>Environmental Science & Technology</i> , 2009, 43, 8587-8592.	4.6	135
1568	Distinguishing Iron-Reducing from Sulfate-Reducing Conditions. <i>Ground Water</i> , 2009, 47, 300-305.	0.7	58
1569	Laboratory experiments on the weathering of iron meteorites and carbonaceous chondrites by iron-oxidizing bacteria. <i>Meteoritics and Planetary Science</i> , 2009, 44, 233-247.	0.7	35
1570	Effects of Humic Substances and Quinones at Low Concentrations on Ferrihydrite Reduction by <i>Geobacter metallireducens</i> . <i>Environmental Science & Technology</i> , 2009, 43, 5679-5685.	4.6	180
1571	Oxidation of Ammonium to Nitrite Under Iron-Reducing Conditions in Wetland Soils. <i>Soil Science</i> , 2009, 174, 156-164.	0.9	103
1572	Oxidation and immobilization of iron and manganese by a fluidized bed reactor. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 619-625.	1.0	0
1573	Sequential injection trace determination of iron in natural waters using a long-pathlength liquid core waveguide and different spectrophotometric chemistries. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 795-802.	1.0	7
1574	Speciation of Iron in Humic Substances by X-ray Absorption Fine Structure and Its Effect on the Complexation between Humic Substances and Trace Metal Ions. <i>Chemistry Letters</i> , 2009, 38, 278-279.	0.7	6
1575	Protein Association and Dissociation Regulated by Extension Peptide: A Mode for Iron Control by Phytoferritin in Seeds. <i>Plant Physiology</i> , 2010, 154, 1481-1491.	2.3	34
1576	A novel EP-involved pathway for iron release from soya bean seed ferritin. <i>Biochemical Journal</i> , 2010, 427, 313-321.	1.7	45
1577	Colour diminution and COD reduction in treatment of coloured effluent by Electrocoagulation. <i>International Journal of Environmental Engineering</i> , 2010, 2, 228.	0.1	5
1578	Systematic change in relative stabilities of REE-humic complexes at various metal loading levels. <i>Geochemical Journal</i> , 2010, 44, 39-63.	0.5	40

#	ARTICLE	IF	CITATIONS
1579	Variations and Controls of Sulfate Reduction in the Continental Slope and Rise of the Ulleung Basin off the Southeast Korean Upwelling System in the East Sea. <i>Geomicrobiology Journal</i> , 2010, 27, 212-222.	1.0	22
1580	Growth, Fe ³⁺ Reductase Activity, and Siderophore Production by <i>Paenibacillus polymyxa</i> SQR-21 Under Differential Iron Conditions. <i>Current Microbiology</i> , 2010, 61, 390-395.	1.0	38
1581	Changes in Bioturbation of Iron Biogeochemistry and in Molecular Response of the Clam <i>Ruditapes decussatus</i> upon <i>Perkinsus olseni</i> Infection. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 433-443.	2.1	10
1582	Comparative analysis of membranous proteomics of <i>Shewanella decolorationis</i> S12 grown with azo compound or Fe (III) citrate as sole terminal electron acceptor. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1513-1523.	1.7	8
1583	Laboratory and Field-scale Evaluation of Low-pH Fe(II) Oxidation at Hughes Borehole, Portage, Pennsylvania. <i>Mine Water and the Environment</i> , 2010, 29, 239-247.	0.9	23
1584	Speciation and behavior of arsenic in evaporation basins, California, USA. <i>Environmental Earth Sciences</i> , 2010, 61, 1599-1612.	1.3	18
1585	Depressed Antioxidant Status in Pregnant Women on Iron Supplements: Pathologic and Clinical Correlates. <i>Biological Trace Element Research</i> , 2010, 136, 157-170.	1.9	16
1586	Total Antioxidant Capacity Assay Using Optimized Ferricyanide/Prussian Blue Method. <i>Food Analytical Methods</i> , 2010, 3, 154-168.	1.3	60
1587	Mineral-microbe interactions: a review. <i>Frontiers of Earth Science</i> , 2010, 4, 127-147.	0.5	70
1588	Short term changes in pore water chemistry in river sediments during the early colonization by <i>Vallisneria spiralis</i> . <i>Hydrobiologia</i> , 2010, 652, 127-137.	1.0	25
1589	Successive Ferric and Sulphate Reduction using Dissimilatory Bacterial Cultures. <i>Water, Air, and Soil Pollution</i> , 2010, 207, 213-226.	1.1	10
1590	Geochemical and microbial effects on the mobilization of arsenic in mine tailing soils. <i>Environmental Geochemistry and Health</i> , 2010, 32, 31-44.	1.8	27
1591	Impact of different benthic animals on phosphorus dynamics across the sediment-water interface. <i>Journal of Environmental Sciences</i> , 2010, 22, 1674-1682.	3.2	58
1592	Impact of solid waste disposal on nutrient dynamics in a sandy catchment. <i>Journal of Contaminant Hydrology</i> , 2010, 116, 1-15.	1.6	18
1593	Source and fate of inorganic solutes in the Gibbon River, Yellowstone National Park, Wyoming, USA. II. Trace element chemistry. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 196, 139-155.	0.8	35
1596	A Micelle-Based Chemosensing Ensemble for the Fluorimetric Detection of Chloride in Water. <i>Chemistry - A European Journal</i> , 2010, 16, 8291-8295.	1.7	29
1597	Development of a bionanotechnological phosphate removal system with thermostable ferritin. <i>Biotechnology and Bioengineering</i> , 2010, 105, 918-923.	1.7	20
1598	Complete anaerobic mineralization of pentachlorophenol (PCP) under continuous flow conditions by sequential combination of PCP-dechlorinating and phenol-degrading consortia. <i>Biotechnology and Bioengineering</i> , 2010, 107, 775-785.	1.7	30

#	ARTICLE	IF	CITATIONS
1599	Efficiency of different solar advanced oxidation processes on the oxidation of bisphenol A in water. <i>Applied Catalysis B: Environmental</i> , 2010, 95, 228-237.	10.8	72
1600	Reductive dissolution of ferrihydrite by ascorbic acid and the inhibiting effect of phospholipid. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 215-223.	5.0	23
1601	Iron speciation, solubility and temporal variability in wet and dry deposition in the Eastern Mediterranean. <i>Marine Chemistry</i> , 2010, 120, 100-107.	0.9	49
1602	Chemical composition and size distributions of coastal aerosols observed on the US East Coast. <i>Marine Chemistry</i> , 2010, 119, 77-90.	0.9	47
1603	Photooxidation of particulate organic matter, carbon/oxygen stoichiometry, and related photoreactions. <i>Marine Chemistry</i> , 2010, 122, 138-147.	0.9	48
1604	Phosphate geochemistry, mineralization processes, and Thioploca distribution in shelf sediments off central Chile. <i>Marine Geology</i> , 2010, 277, 61-72.	0.9	22
1605	Evaluation of the binding of iron(II) to humic substances derived from a compost sample by a colorimetric method using ferrozine. <i>Bioresource Technology</i> , 2010, 101, 4456-4460.	4.8	56
1606	Solid-phase spectroscopy from the point of view of green analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 654-666.	5.8	40
1607	Simplified cysteine dioxygenase activity assay allows simultaneous quantitation of both substrate and product. <i>Analytical Biochemistry</i> , 2010, 405, 127-131.	1.1	22
1608	Determination of ferrous and ferric iron in aqueous biological solutions. <i>Analytica Chimica Acta</i> , 2010, 663, 172-177.	2.6	34
1609	The effect of Fe ²⁺ , Fe ³⁺ , H ₂ O ₂ and the photo-Fenton reagent at near neutral pH on the solar disinfection (SODIS) at low temperatures of water containing <i>Escherichia coli</i> K12. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 126-141.	10.8	250
1610	Role of outer-membrane cytochromes MtrC and OmcA in the biomineralization of ferrihydrite by <i>Shewanella oneidensis</i> MR-1. <i>Geobiology</i> , 2010, 8, 56-68.	1.1	91
1611	Microarray analysis of a microbe-mineral interaction. <i>Geobiology</i> , 2010, 8, 446-456.	1.1	37
1612	Modularity of the Mtr respiratory pathway of <i>Shewanella oneidensis</i> strain MR-1. <i>Molecular Microbiology</i> , 2010, 77, 995-1008.	1.2	262
1613	An essential role for UshA in processing of extracellular flavin electron shuttles by <i>Shewanella oneidensis</i> . <i>Molecular Microbiology</i> , 2010, 78, 519-532.	1.2	75
1614	Electric currents couple spatially separated biogeochemical processes in marine sediment. <i>Nature</i> , 2010, 463, 1071-1074.	13.7	447
1615	Oxidation of methane by a biological dicopper centre. <i>Nature</i> , 2010, 465, 115-119.	13.7	477
1616	<i>Shewanella oneidensis</i> MR-1 mutants selected for their inability to produce soluble organo-Fe(III) complexes are unable to respire Fe(III) as anaerobic electron acceptor. <i>Environmental Microbiology</i> , 2010, 12, 938-950.	1.8	38

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1617	Mutational and gene expression analysis of <i>mtrDEF</i> , <i>omcA</i> and <i>mtrCAB</i> during arsenate and iron reduction in <i>Shewanella</i> sp. ANA-3. <i>Environmental Microbiology</i> , 2010, 12, 1878-1888.	1.8	13
1618	HPLC/DAD/MS and Antioxidant Activity of Isoflavone-Based Food Supplements. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000501.	0.2	6
1619	The role of polysaccharides and diatom exudates in the redox cycling of Fe and the photoproduction of hydrogen peroxide in coastal seawaters. <i>Biogeosciences</i> , 2010, 7, 109-119.	1.3	26
1620	<i>Rhizomicrobium palustre</i> gen. nov., sp. nov., a facultatively anaerobic, fermentative stalked bacterium in the class Alphaproteobacteria isolated from rice plant roots. <i>Journal of General and Applied Microbiology</i> , 2010, 56, 193-203.	0.4	42
1622	Basal ice microbiology at the margin of the Greenland ice sheet. <i>Annals of Glaciology</i> , 2010, 51, 71-79.	2.8	112
1623	A Comparative Study of Phosphate Sorption in Lowland Soils under Oxidic and Anoxic Conditions. <i>Journal of Environmental Quality</i> , 2010, 39, 734-743.	1.0	41
1624	The Effect of Germination on Antioxidant and Nutritional Parameters of Protein Isolates from Grass Pea (<i>Lathyrus sativus</i>) Seeds. <i>Food Science and Technology International</i> , 2010, 16, 73-77.	1.1	3
1625	Solid Super Acid of $S_{2}O_{8}^{2-}/Fe_{x}O_{y}-CuO_{x}$ Catalytic $H_{2}O_{2}$ to Remove Organic Pollutants in Water. <i>Advanced Materials Research</i> , 2010, 150-151, 1722-1725.	0.3	0
1626	Tropical forest soil microbial communities couple iron and carbon biogeochemistry. <i>Ecology</i> , 2010, 91, 2604-2612.	1.5	156
1627	The Mtr Respiratory Pathway Is Essential for Reducing Flavins and Electrodes in <i>Shewanella oneidensis</i> . <i>Journal of Bacteriology</i> , 2010, 192, 467-474.	1.0	410
1628	<i>Desulfitobacterium aromaticivorans</i> sp. nov. and <i>Geobacter toluenoxidans</i> sp. nov., iron-reducing bacteria capable of anaerobic degradation of monoaromatic hydrocarbons. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 686-695.	0.8	113
1629	Fe(III) Reduction in the Subsurface at a Low-level Radioactive Waste Disposal Site. <i>Geomicrobiology Journal</i> , 2010, 27, 231-239.	1.0	6
1630	Stratigraphic record of Neoproterozoic ice sheet collapse: the Kapp Lyell diamictite sequence, SW Spitsbergen, Svalbard. <i>Geological Magazine</i> , 2010, 147, 380-390.	0.9	10
1631	Engineering of a synthetic electron conduit in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19213-19218.	3.3	248
1632	Subseafloor Ocean Crust Microbial Observatories: Development of FLOCS (Flow-through Osmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 2010, 27, 143-157.	1.0	63
1633	Siderophores Are Not Involved in Fe(III) Solubilization during Anaerobic Fe(III) Respiration by <i>Shewanella oneidensis</i> MR-1. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2425-2432.	1.4	39
1634	Influence of Microbially Reducible Fe(III) on the Bacterial Community Structure of Estuarine Surface Sediments. <i>Geomicrobiology Journal</i> , 2010, 27, 292-302.	1.0	7
1635	Geochemical processes and chemosynthetic primary production in different thiotrophic mats of the HÅkøen Mosby Mud Volcano (Barents Sea). <i>Limnology and Oceanography</i> , 2010, 55, 931-949.	1.6	43

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1636	Sulfur, carbon, and nitrogen cycling in faunated marine sediments impacted by repeated organic enrichment. <i>Marine Ecology - Progress Series</i> , 2010, 400, 37-53.	0.9	59
1637	Outer Membrane-Associated Serine Protease Involved in Adhesion of <i>Shewanella oneidensis</i> to Fe(III) Oxides. <i>Environmental Science & Technology</i> , 2010, 44, 68-73.	4.6	41
1638	Anaerobic Fe(II)-Oxidizing Bacteria Show As Resistance and Immobilize As during Fe(III) Mineral Precipitation. <i>Environmental Science & Technology</i> , 2010, 44, 94-101.	4.6	180
1639	Bioavailability of Fe(III) In Loess Sediments: An Important Source of Electron Acceptors. <i>Clays and Clay Minerals</i> , 2010, 58, 542-557.	0.6	10
1640	Controlling the Fenton Reaction in Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1699-1707.	2.4	122
1641	Dissolved Organic Matter Sources and Consequences for Iron and Arsenic Mobilization in Bangladesh Aquifers. <i>Environmental Science & Technology</i> , 2010, 44, 123-128.	4.6	196
1642	Multivariate Examination of Fe(II)/Fe(III) Cycling and Consequent Hydroxyl Radical Generation. <i>Environmental Science & Technology</i> , 2010, 44, 7226-7231.	4.6	43
1643	Characterization of soluble iron in urban aerosols using near-real time data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
1644	Basalt and olivine dissolution under cold, salty, and acidic conditions: What can we learn about recent aqueous weathering on Mars?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	35
1645	Oxidation kinetics of degradation of 1,4-dioxane in aqueous solution by $H_2O_2/Fe(II)$ system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 395-399.	0.9	14
1646	FerriCast: A Macrocyclic Photocage for Fe^{3+} . <i>Inorganic Chemistry</i> , 2010, 49, 916-923.	1.9	52
1647	Turn-Off-and-On: Chemosensing Ensembles for Sensing Chloride in Water by Fluorescence Spectroscopy. <i>Inorganic Chemistry</i> , 2010, 49, 9546-9553.	1.9	45
1648	Probing the Biogeochemical Behavior of Technetium Using a Novel Nuclear Imaging Approach. <i>Environmental Science & Technology</i> , 2010, 44, 156-162.	4.6	48
1649	Combined Chemical-Biological Treatment for Prevention/Rehabilitation of Clogged Wells by an Iron-Oxidizing Bacterium. <i>Environmental Science & Technology</i> , 2010, 44, 3123-3129.	4.6	23
1650	Spatial Patterns and Modeling of Reductive Ferrihydrite Transformation Observed in Artificial Soil Aggregates. <i>Environmental Science & Technology</i> , 2010, 44, 74-79.	4.6	36
1651	A Comprehensive Investigation on Iron Cycling in a Freshwater Seep Including Microscopy, Cultivation and Molecular Community Analysis. <i>Geomicrobiology Journal</i> , 2010, 27, 15-34.	1.0	58
1652	Formation of Binary and Ternary Colloids and Dissolved Complexes of Organic Matter, Fe and As. <i>Environmental Science & Technology</i> , 2010, 44, 4479-4485.	4.6	238
1653	Fe Isotope Fractionation during Equilibration of Fe^{2+} Organic Complexes. <i>Environmental Science & Technology</i> , 2010, 44, 6095-6101.	4.6	60

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1654	Formation of Green Rust Sulfate: A Combined in Situ Time-Resolved X-ray Scattering and Electrochemical Study. <i>Langmuir</i> , 2010, 26, 6593-6603.	1.6	66
1655	In-Situ Magnetic Susceptibility Measurements As a Tool to Follow Geomicrobiological Transformation of Fe Minerals. <i>Environmental Science & Technology</i> , 2010, 44, 3846-3852.	4.6	50
1656	Kinetics of iron oxidation upon polyphenol binding. <i>Dalton Transactions</i> , 2010, 39, 9982.	1.6	111
1657	Arsenic repartitioning during biogenic sulfidization and transformation of ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 980-994.	1.6	183
1658	The impact of bacterial strain on the products of dissimilatory iron reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 574-583.	1.6	47
1659	Structure and oxidation state of hematite surfaces reacted with aqueous Fe(II) at acidic and neutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1498-1512.	1.6	76
1660	Reactions of aqueous iron-DFOB (desferrioxamine B) complexes with flavin mononucleotide in the absence of strong iron(II) chelators. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1513-1529.	1.6	22
1661	Aggregate-scale spatial heterogeneity in reductive transformation of ferrihydrite resulting from coupled biogeochemical and physical processes. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2811-2825.	1.6	44
1662	Reductive dissolution of arsenic-bearing ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3382-3395.	1.6	90
1663	Experimental analysis of arsenic precipitation during microbial sulfate and iron reduction in model aquifer sediment reactors. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2538-2555.	1.6	147
1664	Evidence for equilibrium iron isotope fractionation by nitrate-reducing iron(II)-oxidizing bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2826-2842.	1.6	72
1665	Size, density and composition of cell-mineral aggregates formed during anoxygenic phototrophic Fe(II) oxidation: Impact on modern and ancient environments. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3476-3493.	1.6	71
1666	Mobilization of arsenic and iron from Red River floodplain sediments, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3367-3381.	1.6	119
1667	Biominalization of lepidocrocite and goethite by nitrate-reducing Fe(II)-oxidizing bacteria: Effect of pH, bicarbonate, phosphate, and humic acids. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3721-3734.	1.6	139
1668	Ferrous phosphate surface precipitates resulting from the reduction of intragrain 6-line ferrihydrite by <i>Shewanella oneidensis</i> MR-1. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3751-3767.	1.6	24
1669	Stable Fe isotope fractionations produced by aqueous Fe(II)-hematite surface interactions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4249-4265.	1.6	55
1670	Free energy of formation for green rust sodium sulphate (NaFeII6FeIII3(OH)18(SO4)2(s)). <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6451-6467.	1.6	12
1671	Effects of changing solution chemistry on Fe3+/Fe2+ isotope fractionation in aqueous Fe-Cl solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6669-6689.	1.6	66

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1672	Contrasting effects of Al substitution on microbial reduction of Fe(III) (hydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7086-7099.	1.6	62
1673	In vitro interactions of coumarins with iron. <i>Biochimie</i> , 2010, 92, 1108-1114.	1.3	76
1674	Isotopic evidence for Fe cycling and repartitioning in ancient oxygen-deficient settings: Examples from black shales of the mid-to-late Devonian Appalachian basin. <i>Earth and Planetary Science Letters</i> , 2010, 290, 244-253.	1.8	42
1675	Geochemistry and stable isotope investigation of acid mine drainage associated with abandoned coal mines in central Montana, USA. <i>Chemical Geology</i> , 2010, 269, 100-112.	1.4	74
1676	Natural attenuation of arsenic in the Tinto Santa Rosa acid stream (Iberian Pyritic Belt, SW Spain): The role of iron precipitates. <i>Chemical Geology</i> , 2010, 271, 1-12.	1.4	109
1677	Iron speciation and iron species transformation in activated sludge membrane bioreactors. <i>Water Research</i> , 2010, 44, 3511-3521.	5.3	51
1678	Nitrate suppresses internal phosphorus loading in an eutrophic lake. <i>Water Research</i> , 2010, 44, 3645-3650.	5.3	47
1679	Dissolved iron supply limits early growth of estuarine mangroves. <i>Ecology</i> , 2010, 91, 3229-3241.	1.5	56
1680	Nanosized Ferrihydrite Colloids Facilitate Microbial Iron Reduction under Flow Conditions. <i>Geomicrobiology Journal</i> , 2010, 27, 123-129.	1.0	23
1681	Toxicity of xenobiotics during sulfate, iron, and nitrate reduction in primary sewage sludge suspensions. <i>Chemosphere</i> , 2010, 79, 1003-1009.	4.2	6
1682	Redox Transformation of Arsenic by Fe(II)-Activated Goethite (α -FeOOH). <i>Environmental Science & Technology</i> , 2010, 44, 102-108.	4.6	266
1683	A laboratory study of the effect of Fe(II)-bearing minerals on nuclear magnetic resonance (NMR) relaxation measurements. <i>Geophysics</i> , 2010, 75, F71-F82.	1.4	69
1684	Photodissolution of Ferrihydrite in the Presence of Oxalic Acid: An In Situ ATR-FTIR/DFT Study. <i>Langmuir</i> , 2010, 26, 16246-16253.	1.6	53
1685	Optimizing Cr(VI) and Tc(VII) Remediation through Nanoscale Biomineral Engineering. <i>Environmental Science & Technology</i> , 2010, 44, 2577-2584.	4.6	75
1686	Discovery of 4-(4-(2-((5-Hydroxy-1,2,3,4-tetrahydronaphthalen-2-yl)(propyl)amino)ethyl)piperazin-1-yl)quinolin-8-ol and Its Analogues as Highly Potent Dopamine D2/D3 Agonists and as Iron Chelator: In Vivo Activity Indicates Potential Application in Symptomatic and Neuroprotective Therapy for Parkinson's Disease. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2114-2125.	2.9	61
1687	Boiler and Feedwater Treatment. , 2010, , 2971-2989.		2
1688	A novel antioxidant assay of ferric reducing capacity measurement using ferrozine as the colour forming complexation reagent. <i>Analytical Methods</i> , 2010, 2, 1770.	1.3	70
1689	Rates of Hexavalent Chromium Reduction in Anoxic Estuarine Sediments: pH Effects and the Role of Acid Volatile Sulfides. <i>Environmental Science & Technology</i> , 2010, 44, 136-142.	4.6	44

#	ARTICLE	IF	CITATIONS
1690	A Simple and Cheap Device for Colorimetric Determination of Serum Iron. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 56-61.	0.8	3
1691	Deletion of a <i>fur</i> -Like Gene Affects Iron Homeostasis and Magnetosome Formation in <i>Magnetospirillum gryphiswaldense</i> . <i>Journal of Bacteriology</i> , 2010, 192, 4192-4204.	1.0	64
1692	Nanosized Iron Oxide Colloids Strongly Enhance Microbial Iron Reduction. <i>Applied and Environmental Microbiology</i> , 2010, 76, 184-189.	1.4	96
1693	Iron oxyhydroxide colloid formation by gamma-radiolysis. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7198.	1.3	35
1694	Determination of Metal Contaminants Using Automated In-Situ Metrology in Semiconductor Cleaning Process. <i>IEEE Sensors Journal</i> , 2011, 11, 1120-1128.	2.4	2
1695	Retention of Iodide by Bacteriogenic Iron Oxides. <i>Geomicrobiology Journal</i> , 2011, 28, 387-395.	1.0	32
1696	Effect of temperature on biogeochemistry of marine organic-enriched systems: implications in a global warming scenario. , 2011, 21, 2664-2677.		48
1697	Neutrophilic Iron-Oxidizing <i>Zetaproteobacteria</i> and Mild Steel Corrosion in Nearshore Marine Environments. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1405-1412.	1.4	208
1698	Biogenic Fe(III) Minerals Lower the Efficiency of Iron-Mineral-Based Commercial Filter Systems for Arsenic Removal. <i>Environmental Science & Technology</i> , 2011, 45, 7533-7541.	4.6	36
1699	Temporal Optimization of Microfluidic Colorimetric Sensors by Use of Multiplexed Stop-Flow Architecture. <i>Analytical Chemistry</i> , 2011, 83, 4814-4821.	3.2	22
1700	Short-Term Fe Cycling during Fe(II) Oxidation: Exploring Joint Oxidation and Precipitation with a Combinatorial System. <i>Environmental Science & Technology</i> , 2011, 45, 2663-2669.	4.6	15
1701	Size-Dependent Bioavailability of Hematite (Fe_2O_3) Nanoparticles to a Common Aerobic Bacterium. <i>Environmental Science & Technology</i> , 2011, 45, 977-983.	4.6	63
1702	Effects of Zwitterionic Buffers on Sorption of Ferrous Iron at Goethite and Its Oxidation by CCl_4 . <i>Environmental Science & Technology</i> , 2011, 45, 3355-3360.	4.6	49
1703	Influence of Uranyl Speciation and Iron Oxides on Uranium Biogeochemical Redox Reactions. <i>Geomicrobiology Journal</i> , 2011, 28, 444-456.	1.0	38
1704	Stable Iron Isotope Fractionation Between Aqueous Fe(II) and Hydrous Ferric Oxide. <i>Environmental Science & Technology</i> , 2011, 45, 1847-1852.	4.6	125
1705	New insights in the dihydroxybenzenes-driven Fenton reaction: electrochemical study of interaction between dihydroxybenzenes and Fe(III). <i>Water Science and Technology</i> , 2011, 64, 2103-2108.	1.2	9
1706	Surface Iron Inhibits Quartz-Induced Cytotoxic and Inflammatory Responses in Alveolar Macrophages. <i>Chemical Research in Toxicology</i> , 2011, 24, 99-110.	1.7	33
1707	Influence of Natural Organic Matter on As Transport and Retention. <i>Environmental Science & Technology</i> , 2011, 45, 546-553.	4.6	136

#	ARTICLE	IF	CITATIONS
1708	Combinatorial Parameter Space As an Empirical Tool for Predicting Water Chemistry: Fe(II) Oxidation Across a Watershed. <i>Environmental Science & Technology</i> , 2011, 45, 4023-4029.	4.6	8
1709	Photoinduced Oxidation of Arsenite to Arsenate on Ferrihydrite. <i>Environmental Science & Technology</i> , 2011, 45, 2783-2789.	4.6	94
1710	Electrical conductivity as an indicator of iron reduction rates in abiotic and biotic systems. <i>Water Resources Research</i> , 2011, 47, .	1.7	17
1711	In search of experimental evidence for the biogeobattery. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	21
1712	Iron reduction and magnetite biomineralization mediated by a deep-sea iron-reducing bacterium <i>Shewanella piezotolerans</i> WP3. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
1713	Redox Processes Affecting the Speciation of Technetium, Uranium, Neptunium, and Plutonium in Aquatic and Terrestrial Environments. <i>ACS Symposium Series</i> , 2011, , 477-517.	0.5	18
1714	<i>Rhizomicrobium electricum</i> sp. nov., a facultatively anaerobic, fermentative, prosthecate bacterium isolated from a cellulose-fed microbial fuel cell. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1781-1785.	0.8	36
1715	Synthetic geomicrobiology: engineering microbe-mineral interactions for space exploration and settlement. <i>International Journal of Astrobiology</i> , 2011, 10, 315-324.	0.9	18
1716	The flux of soluble organic iron(III) complexes from sediments represents a source of stable iron(III) to estuarine waters and to the continental shelf. <i>Limnology and Oceanography</i> , 2011, 56, 1811-1823.	1.6	42
1717	Current Production by Bacterial Communities in Microbial Fuel Cells Enriched from Wastewater Sludge with Different Electron Donors. <i>Environmental Science & Technology</i> , 2011, 45, 1139-1146.	4.6	85
1718	Synthesis and characterization of human transferrin-stabilized gold nanoclusters. <i>Nanotechnology</i> , 2011, 22, 275103.	1.3	169
1719	Interference of deferasirox with assays for serum iron and serum unsaturated iron binding capacity during iron chelating therapy. <i>Clinica Chimica Acta</i> , 2011, 412, 2261-2266.	0.5	3
1720	Microbial and geochemical features suggest iron redox cycling within bacteriogenic iron oxide-rich sediments. <i>Chemical Geology</i> , 2011, 281, 41-51.	1.4	67
1721	Extent and isotopic composition of Fe and Mo release from two Pennsylvania shales in the presence of organic ligands and bacteria. <i>Chemical Geology</i> , 2011, 281, 167-180.	1.4	47
1722	Microbial reduction of chlorite and uranium followed by air oxidation. <i>Chemical Geology</i> , 2011, 283, 242-250.	1.4	38
1723	Vibrational, X-ray absorption, and Mössbauer spectra of sulfate minerals from the weathered massive sulfide deposit at Iron Mountain, California. <i>Chemical Geology</i> , 2011, 284, 296-305.	1.4	65
1724	<i>Ralstonia</i> species mediate Fe-oxidation in circumneutral, metal-rich subsurface fluids of Henderson mine, CO. <i>Chemical Geology</i> , 2011, 284, 339-350.	1.4	29
1725	Mineral transformations associated with goethite reduction by <i>Methanosarcina barkeri</i> . <i>Chemical Geology</i> , 2011, 288, 53-60.	1.4	36

#	ARTICLE	IF	CITATIONS
1726	Strong tidal currents and labile organic matter stimulate benthic decomposition and carbonate fluxes on the southern Great Barrier Reef shelf. <i>Continental Shelf Research</i> , 2011, 31, 1384-1395.	0.9	22
1727	Oxidation of As(III) by MnO ₂ in the absence and presence of Fe(II) under acidic conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 368-379.	1.6	75
1728	Formation of syngenetic and early diagenetic iron minerals in the late Archean Mt. McRae Shale, Hamersley Basin, Australia: New insights on the patterns, controls and paleoenvironmental implications of authigenic mineral formation. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1072-1087.	1.6	64
1729	Products of abiotic U(VI) reduction by biogenic magnetite and vivianite. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2512-2528.	1.6	130
1730	Molecular-level modes of As binding to Fe(III) (oxyhydr)oxides precipitated by the anaerobic nitrate-reducing Fe(II)-oxidizing <i>Acidovorax</i> sp. strain BoFeN1. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4699-4712.	1.6	99
1731	A cryptic sulfur cycle driven by iron in the methane zone of marine sediment (Aarhus Bay, Denmark). <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3581-3599.	1.6	288
1732	Phosphate oxygen isotopes: Insights into sedimentary phosphorus cycling from the Benguela upwelling system. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3741-3756.	1.6	68
1733	Influence of phosphate on the oxidation kinetics of nanomolar Fe(II) in aqueous solution at circumneutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4601-4610.	1.6	30
1734	Effect of adsorbed and substituted Al on Fe(II)-induced mineralization pathways of ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4653-4666.	1.6	101
1735	X-ray absorption spectroscopy study on the effect of hydroxybenzoic acids on the formation and structure of ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5122-5139.	1.6	104
1736	The mineralogic transformation of ferrihydrite induced by heterogeneous reaction with bio-reduced anthraquinone disulfonate (AQDS) and the role of phosphate. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6330-6349.	1.6	33
1737	Early diagenesis of redox-sensitive trace metals in the Peru upwelling area – response to ENSO-related oxygen fluctuations in the water column. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7257-7276.	1.6	223
1738	Uranium speciation and stability after reductive immobilization in aquifer sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6497-6510.	1.6	112
1739	First experimental determination of iron isotope fractionation between hematite and aqueous solution at hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6629-6654.	1.6	47
1740	Dependence of microbial magnetite formation on humic substance and ferrihydrite concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6844-6858.	1.6	85
1741	Denitrification in anoxic sediments supported by biological nitrate transport. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7180-7199.	1.6	63
1742	The effect of Ca-Fe-As coatings on microbial leaching of metals in arsenic bearing mine waste. <i>Journal of Geochemical Exploration</i> , 2011, 110, 23-30.	1.5	11
1743	Accumulation and speciation of selenium in evaporation basins in California, USA. <i>Journal of Geochemical Exploration</i> , 2011, 110, 216-224.	1.5	9

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1744	Sulfate reduction below the sulfate–methane transition in Black Sea sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 493-504.	0.6	70
1745	Control of nanoparticle size, reactivity and magnetic properties during the bioproduction of magnetite by <i>Geobacter sulfurreducens</i> . <i>Nanotechnology</i> , 2011, 22, 455709.	1.3	103
1746	A rapid fingerprinting approach to distinguish between closely related strains of <i>Shewanella</i> . <i>Journal of Microbiological Methods</i> , 2011, 86, 62-68.	0.7	5
1747	Effect of phosphate, ascorbic acid and Î±-tocopherol injected at one-location with tumbling on quality of roast beef. <i>Meat Science</i> , 2011, 87, 223-228.	2.7	13
1748	Electrical Conductivity of Electrolytes Found In Natural Waters from (5 to 90) Å°C. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 317-327.	1.0	85
1749	The role of biomass, electron shuttles, and ferrous iron in the kinetics of <i>Geobacter sulfurreducens</i> -mediated ferrihydrite reduction. <i>Water Research</i> , 2011, 45, 1049-1062.	5.3	27
1750	Flow injection spectrophotometric determination of formaldehyde based on its condensation with hydroxylamine and subsequent redox reaction with iron(III)–ferrozine complex. <i>Talanta</i> , 2011, 84, 1205-1208.	2.9	16
1751	Joining forces: Combined biological and geochemical proxies reveal a complex but refined high-resolution palaeo-oxygen history in Devonian epeiric seas. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 306, 134-146.	1.0	39
1752	Molecular hydrogen: An abundant energy source for bacterial activity in nuclear waste repositories. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 1616-1623.	1.2	72
1753	Relative and biomarker-based validity of a food frequency questionnaire that measures the intakes of vitamin B12, folate, iron, and zinc in young women. <i>Nutrition Research</i> , 2011, 31, 14-20.	1.3	35
1754	The thermodynamic ladder in geomicrobiology. <i>Numerische Mathematik</i> , 2011, 311, 183-210.	0.7	231
1755	General Aspects of Linear Regression. , 2011, , 79-116.		0
1756	Amorphous silica coatings on magnetic nanoparticles enhance stability and reduce toxicity to <i>in vitro</i> BEAS-2B cells. <i>Inhalation Toxicology</i> , 2011, 23, 532-543.	0.8	37
1757	Effect of Aqueous Fe(II) on Arsenate Sorption on Goethite and Hematite. <i>Environmental Science & Technology</i> , 2011, 45, 8826-8833.	4.6	74
1758	Effect of Uranium(VI) Speciation on Simultaneous Microbial Reduction of Uranium(VI) and Iron(III). <i>Journal of Environmental Quality</i> , 2011, 40, 90-97.	1.0	10
1759	Anaerobic Degradation of Vinyl Chloride in Aquifer Microcosms. <i>Journal of Environmental Quality</i> , 2011, 40, 915-922.	1.0	6
1760	Chromated Copper Arsenate-Treated Fence Posts in the Agronomic Landscape: Soil Properties Controlling Arsenic Speciation and Spatial Distribution. <i>Journal of Environmental Quality</i> , 2011, 40, 1172-1181.	1.0	8
1761	<i>Vibrio vulnificus</i> Hemolysis Is Easily Inactivated in Spite of Being Produced at High Levels in Cirrhotic Ascites by a <i>fur</i> Mutation. <i>Journal of Bacteriology and Virology</i> , 2011, 41, 91.	0.0	0

#	ARTICLE	IF	CITATIONS
1762	Development and Validation of an HPLC Stability-Indicating Method for Identification and Assay of Elemental Iron(II) in Pharmaceutical Drug Products Using Reversed-Phase HPLC. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 1233-1239.	0.7	1
1763	Biogeochemistry of manganese in ferruginous Lake Matano, Indonesia. <i>Biogeosciences</i> , 2011, 8, 2977-2991.	1.3	33
1764	Chelating Properties and Hydroxyl-Scavenging Activities of Hop α - and Iso- α -Acids. <i>Journal of the American Society of Brewing Chemists</i> , 2011, 69, 133-138.	0.8	15
1766	Ultrafine Particulate Ferrous Iron and Anthracene Associations with Mitochondrial Dysfunction. <i>Aerosol Science and Technology</i> , 2011, 45, 1109-1122.	1.5	18
1767	Modulation of Iron-Uptake Systems by a Mutation of luxS Encoding an Autoinducer-2 Synthase in <i>Vibrio vulnificus</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 632-637.	0.6	7
1768	Fell oxidation by molecular O ₂ during HCl extraction. <i>Environmental Chemistry</i> , 2011, 8, 190.	0.7	59
1769	Quality Characteristics of Dark Muscle from Yellowfin Tuna <i>Thunnus albacares</i> to Its Potential Application in the Food Industry. <i>Food and Nutrition Sciences (Print)</i> , 2011, 02, 22-30.	0.2	12
1770	Regulation of the phototrophic iron oxidation (<i>pio</i>) genes in <i>Rhodospseudomonas palustris</i> TIE α is mediated by the global regulator, FixK. <i>Molecular Microbiology</i> , 2011, 79, 63-75.	1.2	39
1771	Iron isotope fractionation during microbial dissimilatory iron oxide reduction in simulated Archaean seawater. <i>Geobiology</i> , 2011, 9, 205-220.	1.1	62
1772	Anaerobic naphthalene degradation by Gram-positive, iron-reducing bacteria. <i>FEMS Microbiology Ecology</i> , 2011, 78, 488-496.	1.3	55
1773	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
1774	Lithotrophic iron-oxidizing bacteria produce organic stalks to control mineral growth: implications for biosignature formation. <i>ISME Journal</i> , 2011, 5, 717-727.	4.4	313
1775	Optimised Ferrozine Micro α €Method for the Determination of Ferrous and Ferric Iron in Rocks and Minerals. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 39-44.	1.7	9
1776	A kinetic study of Cr(VI) reduction by calcium polysulfide. <i>Science of the Total Environment</i> , 2011, 409, 4072-4077.	3.9	35
1777	Astaxanthin limits fish oil-related oxidative insult in the anterior forebrain of Wistar rats: Putative anxiolytic effects?. <i>Pharmacology Biochemistry and Behavior</i> , 2011, 99, 349-355.	1.3	27
1778	The concentration of white spot disease virus for its detection in sea water using a combined ferric colloid adsorption- and foam separation-based method. <i>Journal of Virological Methods</i> , 2011, 173, 227-232.	1.0	11
1779	Superoxide decay as a probe for speciation changes during dust dissolution in Tropical Atlantic surface waters near Cape Verde. <i>Marine Chemistry</i> , 2011, 126, 37-55.	0.9	30
1780	High mortality of <i>Zostera marina</i> under high temperature regimes but minor effects of the invasive macroalgae <i>Gracilaria vermiculophylla</i> . <i>Estuarine, Coastal and Shelf Science</i> , 2011, 92, 35-46.	0.9	60

#	ARTICLE	IF	CITATIONS
1781	The superoxide reductase from the early diverging eukaryote <i>Giardia intestinalis</i> . <i>Free Radical Biology and Medicine</i> , 2011, 51, 1567-1574.	1.3	26
1782	Solubility and speciation of atmospheric iron in buffer systems simulating cloud conditions. <i>Atmospheric Environment</i> , 2011, 45, 1858-1866.	1.9	28
1783	The effect of riverine discharge on biogeochemical processes in estuarine sediments. <i>Limnology and Oceanography</i> , 2011, 56, 1797-1810.	1.6	28
1784	The Formation of Illite from Nontronite by Mesophilic and Thermophilic Bacterial Reaction. <i>Clays and Clay Minerals</i> , 2011, 59, 21-33.	0.6	45
1785	Field measurements and modeling of groundwater flow and biogeochemistry at Moses Hammock, a backbarrier island on the Georgia coast. <i>Biogeochemistry</i> , 2011, 104, 69-90.	1.7	13
1786	Effect of diquat-induced oxidative stress on iron metabolism in male Fischer-344 rats. <i>BioMetals</i> , 2011, 24, 1123-1131.	1.8	7
1787	U(VI) reduction by Fe(II) on hematite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3741-3754.	0.8	22
1788	Impacts of <i>Corbicula fluminea</i> on Oxygen Uptake and Nutrient Fluxes across the Sediment-Water Interface. <i>Water, Air, and Soil Pollution</i> , 2011, 220, 399-411.	1.1	41
1789	Mosses influence phosphorus cycling in rich fens by driving redox conditions in shallow soils. <i>Oecologia</i> , 2011, 167, 253-264.	0.9	20
1790	Lignocellulosic polysaccharides and lignin degradation by wood decay fungi: the relevance of nonenzymatic Fenton-based reactions. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 541-555.	1.4	155
1791	Arsenic and Antimony in Groundwater Flow Systems: A Comparative Study. <i>Aquatic Geochemistry</i> , 2011, 17, 775-807.	1.5	33
1792	Mössbauer hyperfine parameters of iron species in the course of <i>Geobacter</i> -mediated magnetite mineralization. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 701-708.	0.3	12
1793	Involvement of ligninolytic enzymes and Fenton-like reaction in humic acid degradation by <i>Trametes</i> sp.. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1131-1140.	1.7	47
1794	Performance and mechanism of simultaneous removal of chromium and arsenate by Fe(II) from contaminated groundwater. <i>Separation and Purification Technology</i> , 2011, 80, 179-185.	3.9	42
1795	Individual and combined influence of calcium and anions on simultaneous removal of chromate and arsenate by Fe(II) under suboxic conditions. <i>Separation and Purification Technology</i> , 2011, 80, 284-292.	3.9	16
1796	Multicomponent ionic complexes studied by matrix-assisted laser desorption/ionization and electrospray ionization mass spectrometry methods. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2250-2257.	0.7	0
1798	Oxygen-independent Decarbonylation of Aldehydes by Cyanobacterial Aldehyde Decarbonylase: A New Reaction of Diron Enzymes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7148-7152.	7.2	98
1799	Removal of Chromium and Organic Pollutants from Industrial Chrome Tanning Effluents by Electrocoagulation. <i>Chemical Engineering and Technology</i> , 2011, 34, 775-783.	0.9	11

#	ARTICLE	IF	CITATIONS
1800	Reduction of COD and removal of Zn ²⁺ from rayon industry wastewater by combined electro-Fenton treatment and chemical precipitation. <i>Desalination</i> , 2011, 266, 213-217.	4.0	131
1801	Linoleic acid peroxidation initiated by Fe ³⁺ -reducing compounds recovered from <i>Eucalyptus grandis</i> biotreated with <i>Ceriporiopsis subvermispora</i> . <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 164-171.	1.9	5
1802	Examination of magnetite nanoparticles utilising the temperature dependent magnetorelaxometry. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1179-1184.	1.0	8
1803	The imprint of methane seepage on the geochemical record and early diagenetic processes in cold-water coral mounds on Pen Duick Escarpment, Gulf of Cadiz. <i>Marine Geology</i> , 2011, 282, 118-137.	0.9	31
1804	Determination of cobalt in water samples by photoacoustic spectroscopy with a solid-phase spectrophotometry approach using 3-(2-pyridyl)-5,6-bis(4-sulfophenyl)-1,2,4-triazine. <i>Microchemical Journal</i> , 2011, 98, 220-224.	2.3	8
1805	Degradation of trichloroethylene by Fenton reaction in pyrite suspension. <i>Journal of Hazardous Materials</i> , 2011, 185, 1355-1361.	6.5	143
1806	In vitro analysis of iron chelating activity of flavonoids. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 693-701.	1.5	195
1807	Removal of hexavalent chromium by electrochemical reduction-precipitation: Investigation of process performance and reaction stoichiometry. <i>Separation and Purification Technology</i> , 2011, 76, 345-350.	3.9	117
1808	Application of a Depositional <i>Facies</i> Model to an Acid Mine Drainage Site. <i>Applied and Environmental Microbiology</i> , 2011, 77, 545-554.	1.4	43
1809	Geochemical evidence for iron-mediated anaerobic oxidation of methane. <i>Limnology and Oceanography</i> , 2011, 56, 1536-1544.	1.6	218
1810	Pathways Contributing to the Formation and Decay of Ferrous Iron in Sunlit Natural Waters. <i>ACS Symposium Series</i> , 2011, , 153-176.	0.5	6
1811	Enhanced Growth of <i>Acidovorax</i> sp. Strain 2AN during Nitrate-Dependent Fe(II) Oxidation in Batch and Continuous-Flow Systems. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8548-8556.	1.4	140
1812	Morphological and Chemical Mechanisms of Elongated Mineral Particle Toxicities. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2011, 14, 40-75.	2.9	123
1813	SO2907, a Putative TonB-dependent Receptor, Is Involved in Dissimilatory Iron Reduction by <i>Shewanella oneidensis</i> Strain MR-1*. <i>Journal of Biological Chemistry</i> , 2011, 286, 33973-33980.	1.6	8
1814	Repeated Anaerobic Microbial Redox Cycling of Iron. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6036-6042.	1.4	164
1815	Iron released from ilmenite mineral sustains a phytoplankton community in microcosms. <i>Botanica Marina</i> , 2011, 54, .	0.6	3
1816	A New Role for Heme, Facilitating Release of Iron from the Bacterioferritin Iron Biomineral. <i>Journal of Biological Chemistry</i> , 2011, 286, 3473-3483.	1.6	61
1817	Uranium Redox Cycling in Sediment and Biomineral Systems. <i>Geomicrobiology Journal</i> , 2011, 28, 497-506.	1.0	41

#	ARTICLE	IF	CITATIONS
1818	The Plant Cell Wallâ€™Decomposing Machinery Underlies the Functional Diversity of Forest Fungi. <i>Science</i> , 2011, 333, 762-765.	6.0	512
1819	Quantifying rates of methanogenesis and methanotrophy in Lake Kinneret sediments (Israel) using poreâ€™water profiles. <i>Limnology and Oceanography</i> , 2011, 56, 1525-1535.	1.6	42
1820	Iron(III) Reduction in Anaerobically Incubated Suspensions of Highly Calcareous Agricultural Soils. <i>Soil Science Society of America Journal</i> , 2011, 75, 2136-2146.	1.2	20
1821	Humic Acid-Oxidizing, Nitrate-Reducing Bacteria in Agricultural Soils. <i>MBio</i> , 2011, 2, e00044-11.	1.8	45
1822	An Assessment of the Status and Condition of Archaeological Remains Preserved In Situ in the Medieval Town of Trondheim Based on Archeochemical Investigations Conducted During the Period 2007â€™2010. <i>Conservation and Management of Archaeological Sites</i> , 2012, 14, 228-238.	0.9	2
1823	Multicopper oxidase-1 is a ferroxidase essential for iron homeostasis in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13337-13342.	3.3	62
1824	Heterotrophic Archaea Contribute to Carbon Cycling in Low-pH, Suboxic Biofilm Communities. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8321-8330.	1.4	52
1825	Abundance, Distribution, and Activity of Fe(II)-Oxidizing and Fe(III)-Reducing Microorganisms in Hypersaline Sediments of Lake Kasin, Southern Russia. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4386-4399.	1.4	86
1826	<i>Dysgonomonas oryzarvi</i> sp. nov., isolated from a microbial fuel cell. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 3055-3059.	0.8	50
1827	The Effect of Smectite on the Corrosion of Iron Metal. <i>Clays and Clay Minerals</i> , 2012, 60, 136-152.	0.6	6
1828	Biotransformation of Heavy Metals from Soil in Synthetic Medium Enriched with Glucose and <i>Shewanella</i> sp. HN-41 at Various pH. <i>Geomicrobiology Journal</i> , 2012, 29, 843-851.	1.0	1
1829	Lake microbial communities are resilient after a whole-ecosystem disturbance. <i>ISME Journal</i> , 2012, 6, 2153-2167.	4.4	198
1830	Iron Transformations Induced by an Acid-Tolerant <i>Desulfosporosinus</i> Species. <i>Applied and Environmental Microbiology</i> , 2012, 78, 81-88.	1.4	47
1831	Seasonal Changes In Mineralogy, Geochemistry and Microbial Community of Bacteriogenic Iron Oxides (BIOS) Deposited in a Circumneutral Wetland. <i>Geomicrobiology Journal</i> , 2012, 29, 161-172.	1.0	27
1832	Research on Conservation State and Preservation Conditions in Unsaturated Archaeological Deposits in Oslo. <i>Conservation and Management of Archaeological Sites</i> , 2012, 14, 72-84.	0.9	8
1833	Isolation of Phyllosilicateâ€™Iron Redox Cycling Microorganisms from an Illiteâ€™Smectite Rich Hydromorphic Soil. <i>Frontiers in Microbiology</i> , 2012, 3, 134.	1.5	59
1834	Distribution of Microbial Biomass and Potential for Anaerobic Respiration in Hanford Site 300 Area Subsurface Sediment. <i>Applied and Environmental Microbiology</i> , 2012, 78, 759-767.	1.4	46
1835	The Southern Kalahari: a potential new dust source in the Southern Hemisphere?. <i>Environmental Research Letters</i> , 2012, 7, 024001.	2.2	60

#	ARTICLE	IF	CITATIONS
1836	Anaerobic Decomposition of Switchgrass by Tropical Soil-Derived Feedstock-Adapted Consortia. <i>MBio</i> , 2012, 3, .	1.8	19
1837	Iron Reduction Mediated Increases in Carbon Oxidation and Phosphorus Precipitation in On-Site Wastewater Systems. <i>Proceedings of the Water Environment Federation</i> , 2012, 2012, 3465-3469.	0.0	2
1838	Effect of Chemical Properties of Humic Substances on Iron Complexation in Natural Waters. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2012, 68, III_525-III_533.	0.1	1
1839	Characterization of iron speciation in urban and rural single particles using XANES spectroscopy and micro X-ray fluorescence measurements: investigating the relationship between speciation and fractional iron solubility. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 745-756.	1.9	80
1840	From BACE1 Inhibitor to Multifunctionality of Tryptoline and Tryptamine Triazole Derivatives for Alzheimer's Disease. <i>Molecules</i> , 2012, 17, 8312-8333.	1.7	39
1841	Reconstruction of Extracellular Respiratory Pathways for Iron(III) Reduction in <i>Shewanella Oneidensis</i> Strain MR-1. <i>Frontiers in Microbiology</i> , 2012, 3, 56.	1.5	110
1842	Vivianite Precipitation and Phosphate Sorption following Iron Reduction in Anoxic Soils. <i>Journal of Environmental Quality</i> , 2012, 41, 938-949.	1.0	63
1843	Hydrogen sulfide intrusion in seagrasses from Shark Bay, Western Australia. <i>Marine and Freshwater Research</i> , 2012, 63, 1027.	0.7	16
1844	Iron and pH-responsive FtrABCD ferrous iron utilization system of <i>Bordetella</i> species. <i>Molecular Microbiology</i> , 2012, 86, 580-593.	1.2	34
1845	Investigating Arsenic Speciation and Mobilization in Sediments with DGT and DET: A Mesocosm Evaluation of Oxidic-Anoxic Transitions. <i>Environmental Science & Technology</i> , 2012, 46, 3981-3989.	4.6	72
1846	Formation of Layered Fe(II)-Al(III)-Hydroxides during Reaction of Fe(II) with Aluminum Oxide. <i>Environmental Science & Technology</i> , 2012, 46, 4894-4901.	4.6	36
1847	Microbial Reduction of Arsenic-Doped Schwertmannite by <i>Geobacter sulfurreducens</i> . <i>Environmental Science & Technology</i> , 2012, 46, 12591-12599.	4.6	39
1848	Engineering Biogenic Magnetite for Sustained Cr(VI) Remediation in Flow-through Systems. <i>Environmental Science & Technology</i> , 2012, 46, 3352-3359.	4.6	39
1849	A Bacterial Hemerythrin Domain Regulates the Activity of a <i>Vibrio cholerae</i> Diguanylate Cyclase. <i>Biochemistry</i> , 2012, 51, 8563-8570.	1.2	31
1850	Tracking Injectable Microspheres in Dynamic Tissues With Encapsulated Superparamagnetic Iron Oxide Nanoparticles. <i>Macromolecular Bioscience</i> , 2012, 12, 1615-1621.	2.1	5
1851	Effects of Tubificid Worm Bioturbation on Freshwater Sediment Biogeochemistry. <i>Aquatic Geochemistry</i> , 2012, 18, 475-497.	1.5	40
1852	In situ study of short-term variations of redox species chemistry in intertidal permeable sediments of the Arcachon lagoon. <i>Hydrobiologia</i> , 2012, 699, 69-84.	1.0	17
1853	Reduction of Nitrite and Nitrate to Ammonium on Pyrite. <i>Origins of Life and Evolution of Biospheres</i> , 2012, 42, 275-294.	0.8	34

#	ARTICLE	IF	CITATIONS
1854	A sediment exchange experiment to assess the limiting factors of microbial sulfate reduction in acidic mine pit lakes. <i>Journal of Soils and Sediments</i> , 2012, 12, 1615-1622.	1.5	11
1855	Monitoring Tc Dynamics in a Bioreduced Sediment: An Investigation with Gamma Camera Imaging of ^{99m} Tc-Perchnetate and ^{99m} Tc-DTPA. <i>Environmental Science & Technology</i> , 2012, 46, 12583-12590.	4.6	10
1856	Early diagenetic processes in relation to river discharge and coastal upwelling in the Aru Sea, Indonesia. <i>Marine Chemistry</i> , 2012, 140-141, 10-23.	0.9	19
1857	Comparison between <i>in vitro</i> and <i>in vivo</i> methods to screen iron bioavailability. <i>CYTA - Journal of Food</i> , 2012, 10, 103-111.	0.9	5
1858	Controls on the Redox Potential of Rainwater. <i>Environmental Science & Technology</i> , 2012, 46, 13103-13111.	4.6	7
1859	BqsR/BqsS Constitute a Two-Component System That Senses Extracellular Fe(II) in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2012, 194, 1195-1204.	1.0	35
1860	A Strongly Bound High-Spin Iron(II) Coordinates Cysteine and Homocysteine in Cysteine Dioxygenase. <i>Biochemistry</i> , 2012, 51, 257-264.	1.2	40
1861	Anaerobic, Nitrate-Dependent Oxidation of Pyrite Nanoparticles by <i>Thiobacillus denitrificans</i> . <i>Environmental Science & Technology</i> , 2012, 46, 2095-2101.	4.6	131
1862	Photoinduced Oxidation of Arsenite to Arsenate in the Presence of Goethite. <i>Environmental Science & Technology</i> , 2012, 46, 8044-8051.	4.6	85
1863	Reductive Dissolution of Tl(I) "Jarosite by <i>Shewanella putrefaciens</i> : Providing New Insights into Tl Biogeochemistry. <i>Environmental Science & Technology</i> , 2012, 46, 11086-11094.	4.6	10
1864	<i>Treponema denticola</i> Superoxide Reductase: In Vivo Role, in Vitro Reactivities, and a Novel [Fe(Cys) ₄] Site. <i>Biochemistry</i> , 2012, 51, 5601-5610.	1.2	8
1865	Isolation and Microbial Reduction of Fe(III) Phyllosilicates from Subsurface Sediments. <i>Environmental Science & Technology</i> , 2012, 46, 11618-11626.	4.6	21
1866	Mobilization of Technetium from Reduced Sediments under Seawater Inundation and Intrusion Scenarios. <i>Environmental Science & Technology</i> , 2012, 46, 11798-11803.	4.6	21
1867	Iron Solubility Related to Particle Sulfur Content in Source Emission and Ambient Fine Particles. <i>Environmental Science & Technology</i> , 2012, 46, 6637-6644.	4.6	113
1868	Anoxia-Induced Release of Colloid- and Nanoparticle-Bound Phosphorus in Grassland Soils. <i>Environmental Science & Technology</i> , 2012, 46, 11727-11734.	4.6	116
1869	Controls on Soluble Pu Concentrations in PuO ₂ /Magnetite Suspensions. <i>Environmental Science & Technology</i> , 2012, 46, 11610-11617.	4.6	7
1870	Optimization of colorimetric DET technique for the in situ, two-dimensional measurement of iron(II) distributions in sediment porewaters. <i>Talanta</i> , 2012, 88, 490-495.	2.9	28
1871	TiO ₂ and Fe (III) photocatalytic ozonation processes of a mixture of emergent contaminants of water. <i>Water Research</i> , 2012, 46, 152-166.	5.3	56

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1872	Iron-dependent binding of bovine milk κ -casein with holo-lactoferrin, but not holo-transferrin. <i>BioMetals</i> , 2012, 25, 1083-1088.	1.8	6
1873	Photomixotrophic growth of <i>Rhodobacter capsulatus</i> SB1003 on ferrous iron. <i>Geobiology</i> , 2012, 10, 216-222.	1.1	15
1874	Outer-membrane cytochrome-independent reduction of extracellular electron acceptors in <i>Shewanella oneidensis</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 2144-2157.	0.7	37
1875	Iron organic speciation determination in rainwater using cathodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 2012, 736, 45-54.	2.6	41
1876	The measurement of organically complexed Fe(II) in natural waters using competitive ligand reverse titration. <i>Analytica Chimica Acta</i> , 2012, 743, 111-116.	2.6	20
1877	Electrophoresis enhanced transport of nano-scale zero valent iron. <i>Advances in Water Resources</i> , 2012, 40, 71-82.	1.7	33
1878	Simultaneous oxidation of arsenic and antimony at low and circumneutral pH, with and without microbial catalysis. <i>Applied Geochemistry</i> , 2012, 27, 281-291.	1.4	31
1879	Speciation and spatial distribution of solid-phase iron in surface sediments of the East China Sea continental shelf. <i>Applied Geochemistry</i> , 2012, 27, 892-905.	1.4	50
1880	Sediment pore-water interactions associated with arsenic and uranium transport from the North Cave Hills mining region, South Dakota, USA. <i>Applied Geochemistry</i> , 2012, 27, 879-891.	1.4	24
1881	Two-dimensional dissolved ferrous iron distributions in marine sediments as revealed by a novel planar optical sensor. <i>Marine Chemistry</i> , 2012, 136-137, 14-23.	0.9	39
1882	Reevaluation of colorimetric iron determination methods commonly used in geomicrobiology. <i>Journal of Microbiological Methods</i> , 2012, 89, 41-48.	0.7	70
1883	Antioxidant activities potential of tea polysaccharide fractions obtained by ultra filtration. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 558-564.	3.6	83
1884	Biogeochemical malfunctioning in sediments beneath a deep-water fish farm. <i>Environmental Pollution</i> , 2012, 170, 15-25.	3.7	47
1885	In vitro characteristics of 1-phenyl-3-methyl-4-acylpyrazol-5-ones iron chelators. <i>Biochimie</i> , 2012, 94, 125-131.	1.3	8
1886	Iron isotope fractionation in a sulfide-bearing subterranean estuary and its potential influence on oceanic Fe isotope flux. <i>Chemical Geology</i> , 2012, 300-301, 133-142.	1.4	21
1887	Strontium sorption and precipitation behaviour during bioreduction in nitrate impacted sediments. <i>Chemical Geology</i> , 2012, 306-307, 114-122.	1.4	55
1888	Mo isotope and trace element patterns of Lower Cambrian black shales in South China: Multi-proxy constraints on the paleoenvironment. <i>Chemical Geology</i> , 2012, 318-319, 45-59.	1.4	146
1889	Iron reduction potentiates hydroxyl radical formation only in flavonols. <i>Food Chemistry</i> , 2012, 135, 2584-2592.	4.2	55

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1890	Fast microbial reduction of ferrihydrite colloids from a soil effluent. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 444-456.	1.6	27
1891	Oxidative dissolution of pyrite surfaces by hexavalent chromium: Surface site saturation and surface renewal. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 83, 379-396.	1.6	48
1892	Stable iron isotope fractionation between aqueous Fe(II) and model Archean ocean Fe ²⁺ -Si coprecipitates and implications for iron isotope variations in the ancient rock record. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 14-28.	1.6	68
1893	Influence of humic acid imposed changes of ferrihydrite aggregation on microbial Fe(III) reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 85, 326-341.	1.6	167
1894	Enhanced reductive degradation of carbon tetrachloride by biogenic vivianite and Fe(II). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 85, 170-186.	1.6	43
1895	Evidence for free oxygen in the Neoproterozoic ocean based on coupled iron-molybdenum isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 118-137.	1.6	135
1896	The influence of high hydrostatic pressure on bacterial dissimilatory iron reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 88, 120-129.	1.6	31
1897	Influence of size, morphology, surface structure, and aggregation state on reductive dissolution of hematite nanoparticles with ascorbic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 90, 149-162.	1.6	73
1898	Heterogeneous oxidation of Fe(II) on iron oxides in aqueous systems: Identification and controls of Fe(III) product formation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 171-186.	1.6	52
1899	Sulfur, iron-, and calcium cycling associated with natural electric currents running through marine sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 1-13.	1.6	165
1900	Pertechnetate (TcO ₄ ²⁻) reduction by reactive ferrous iron forms in naturally anoxic, redox transition zone sediments from the Hanford Site, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 48-66.	1.6	104
1901	Tc(VII) reduction kinetics by titanomagnetite (Fe _{3-x} Ti _x O ₄) nanoparticles. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 67-81.	1.6	44
1902	Phosphorus mobilization in rewetted peat and sand at variable flow rate and redox regimes. <i>Geoderma</i> , 2012, 173-174, 311-321.	2.3	47
1903	Geochemical, mineralogical and microbiological characteristics of sediment from a naturally reduced zone in a uranium-contaminated aquifer. <i>Applied Geochemistry</i> , 2012, 27, 1499-1511.	1.4	123
1904	How to overcome inter-electrode variability and instability to quantify dissolved oxygen, Fe(II), Mn(II), and S(II) in undisturbed soils and sediments using voltammetry. <i>Geochemical Transactions</i> , 2012, 13, 6.	1.8	18
1905	Catalytic Turnover of [FeFe]-Hydrogenase Based on Single-Molecule Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 1577-1582.	6.6	172
1906	In Situ Chromium(VI) Reduction Using Iron(II) Solutions: Modeling Dynamic Geochemical Gradients. <i>Vadose Zone Journal</i> , 2012, 11, vj2011.0172.	1.3	6
1907	Histidine ligand variants of a flavo-iron protein: effects on structure and activities. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1231-1239.	1.1	32

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1908	Redox Reactions of Reduced Flavin Mononucleotide (FMN), Riboflavin (RBF), and Anthraquinone-2,6-disulfonate (AQDS) with Ferrihydrite and Lepidocrocite. <i>Environmental Science & Technology</i> , 2012, 46, 11644-11652.	4.6	98
1909	Benthic metabolism and nitrogen transformations affected by fish cage farming in the tropical Nha Phu estuary (Vietnam). <i>Marine and Freshwater Research</i> , 2012, 63, 887.	0.7	5
1910	Potential Function of Added Minerals as Nucleation Sites and Effect of Humic Substances on Mineral Formation by the Nitrate-Reducing Fe(II)-Oxidizer <i>Acidovorax</i> sp. BoFeN1. <i>Environmental Science & Technology</i> , 2012, 46, 6556-6565.	4.6	44
1911	Responses of Aerobic Rice (<i>Oryza sativa</i> L.) to Iron Deficiency. <i>Journal of Integrative Agriculture</i> , 2012, 11, 938-945.	1.7	12
1912	Iron isotope and trace metal records of iron cycling in the proto-North Atlantic during the Cenomanian-Turonian oceanic anoxic event (OAE-2). <i>Paleoceanography</i> , 2012, 27, .	3.0	56
1913	Synthesis and properties of titanomagnetite (Fe ₃ ~xTi _x O ₄) nanoparticles: A tunable solid-state Fe(II/III) redox system. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 24-38.	5.0	80
1914	Arsenic release from chlorine-promoted alteration of a sulfide cement horizon: Evidence from batch studies on the St. Peter Sandstone, Wisconsin, USA. <i>Applied Geochemistry</i> , 2012, 27, 2215-2224.	1.4	4
1915	Surface complexation modeling of groundwater arsenic mobility: Results of a forced gradient experiment in a Red River flood plain aquifer, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 186-201.	1.6	52
1916	Fe cycling in the Shale Hills Critical Zone Observatory, Pennsylvania: An analysis of biogeochemical weathering and Fe isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 99, 18-38.	1.6	75
1917	Combined effects of Fe(II) and oxidizing radiolysis products on UO ₂ and PuO ₂ dissolution in a system containing solid UO ₂ and PuO ₂ . <i>Journal of Nuclear Materials</i> , 2012, 430, 1-5.	1.3	18
1918	Reactive iron and its buffering capacity towards dissolved sulfide in sediments of Jiaozhou Bay, China. <i>Marine Environmental Research</i> , 2012, 80, 46-55.	1.1	34
1919	Iron distribution and speciation in oxic and anoxic waters of the Baltic Sea. <i>Marine Chemistry</i> , 2012, 145-147, 1-15.	0.9	28
1920	Abiotic Reduction Reactions of Dichloroacetamide Safeners: Transformations of <i>Acenertol</i> Agrochemical Constituents. <i>Environmental Science & Technology</i> , 2012, 46, 2187-2195.	4.6	27
1921	Simultaneous Release of Fe and As during the Reductive Dissolution of Pb-As Jarosite by <i>Shewanella putrefaciens</i> CN32. <i>Environmental Science & Technology</i> , 2012, 46, 12823-12831.	4.6	35
1922	Functional role of the putative iron ligands in the ferroxidase activity of recombinant human hephaestin. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1187-1195.	1.1	9
1923	Effect of aqueous extracts from <i>Ceriporiopsis subvermisporea</i> -biotreated wood on the decolorization of Azure B by Fenton-like reactions. <i>International Biodeterioration and Biodegradation</i> , 2012, 74, 61-66.	1.9	18
1924	The Synergistic Effects of High Nitrate Concentrations on Sediment Bioreduction. <i>Geomicrobiology Journal</i> , 2012, 29, 484-493.	1.0	24
1925	Identification and Characterization of MtoA: A Decaheme c-Type Cytochrome of the Neutrophilic Fe(II)-Oxidizing Bacterium <i>Sideroxydans lithotrophicus</i> ES-1. <i>Frontiers in Microbiology</i> , 2012, 3, 37.	1.5	186

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1926	The Microbial Ferrous Wheel in a Neutral pH Groundwater Seep. <i>Frontiers in Microbiology</i> , 2012, 3, 172.	1.5	90
1927	Microbial Iron(II) Oxidation in Littoral Freshwater Lake Sediment: The Potential for Competition between Phototrophic vs. Nitrate-Reducing Iron(II)-Oxidizers. <i>Frontiers in Microbiology</i> , 2012, 3, 197.	1.5	46
1928	Enriched Iron(III)-Reducing Bacterial Communities are Shaped by Carbon Substrate and Iron Oxide Mineralogy. <i>Frontiers in Microbiology</i> , 2012, 3, 404.	1.5	115
1929	Microbial communities associated with wet flue gas desulfurization systems. <i>Frontiers in Microbiology</i> , 2012, 3, 412.	1.5	10
1930	Limiting Reactants in Chemical Analysis: Influences of Metals and Ligands on Calibration Curves and Formation Constants for Selected Iron-Ligand Chelates. , 0, , .		0
1931	Transformations of carbon in anoxic marine sediments: Implications from $\delta^{13}C$ and $\delta^{14}C$ signatures. <i>Limnology and Oceanography</i> , 2012, 57, 567-581.	1.6	30
1932	Magnetic signature of hydrocarbon-contaminated soils and sediments at the former oil field HÄnigsen, Germany. <i>Studia Geophysica Et Geodaetica</i> , 2012, 56, 889-908.	0.3	34
1933	Mechanistic studies of the reaction of bis(2,4,6-tripyridyl 1,3,5-triazine)iron(II) with triazines. <i>Transition Metal Chemistry</i> , 2012, 37, 315-319.	0.7	4
1934	Kinetic and mechanistic studies on the oxidation of hydroxylamine, semicarbazide, and thiosemicarbazide by iron(III) in the presence of triazines. <i>Transition Metal Chemistry</i> , 2012, 37, 453-462.	0.7	4
1935	Kinetics and mechanism of substitution of iron(II)â€“triazine complexes by 1,10-phenanthroline. <i>Transition Metal Chemistry</i> , 2012, 37, 489-495.	0.7	5
1936	Cyclic AMP-receptor protein activates aerobactin receptor lutA expression in <i>Vibrio vulnificus</i> . <i>Journal of Microbiology</i> , 2012, 50, 320-325.	1.3	11
1937	Membrane preconcentration of iron in seawater samples and on-site determination in spectrophotometry. <i>Chinese Journal of Oceanology and Limnology</i> , 2012, 30, 315-320.	0.7	1
1938	Atmospheric Aqueousâ€“Phase Photoreactivity: Correlation Between the Hydroxyl Radical Photoformation and Pesticide Degradation Rate in Atmospherically Relevant Waters. <i>Photochemistry and Photobiology</i> , 2012, 88, 32-37.	1.3	5
1939	Enrichment of sulfate-reducing bacteria and resulting mineral formation in media mimicking pore water metal ion concentrations and pH conditions of acidic pit lakes. <i>FEMS Microbiology Ecology</i> , 2012, 79, 69-84.	1.3	53
1940	Growth advantage in stationary-phase (GASP) phenotype in long-term survival strains of <i>Geobacter sulfurreducens</i> . <i>FEMS Microbiology Ecology</i> , 2012, 79, 218-228.	1.3	15
1941	Response of sediment microbial community structure in a freshwater reservoir to manipulations in oxygen availability. <i>FEMS Microbiology Ecology</i> , 2012, 80, 248-263.	1.3	23
1942	Roles of siderophore in manganese-oxide reduction by <i>Shewanella oneidensis</i> MR-1. <i>FEMS Microbiology Letters</i> , 2012, 326, 91-98.	0.7	30
1943	Alkaline Fe(III) reduction by a novel alkali-tolerant <i>Serratia</i> sp. isolated from surface sediments close to Sellafield nuclear facility, UK. <i>FEMS Microbiology Letters</i> , 2012, 327, 87-92.	0.7	19

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1944	A sulfated galactan with antioxidant capacity from the green variant of tetrasporic <i>Gigartina skottsbergii</i> (Gigartinales, Rhodophyta). <i>Carbohydrate Research</i> , 2012, 347, 114-120.	1.1	41
1945	Efficient degradation of perfluorooctanoic acid by UV-activated Fenton process. <i>Chemical Engineering Journal</i> , 2012, 184, 156-162.	6.6	157
1946	Various voltage productions by microbial fuel cells with sedimentary inocula taken from different sites in one freshwater lake. <i>Bioresource Technology</i> , 2012, 108, 68-75.	4.8	33
1947	In situ determination of iron(II) in the anoxic zone of the central Baltic Sea using ferene as spectrophotometric reagent. <i>Marine Chemistry</i> , 2012, 130-131, 21-27.	0.9	12
1948	The geochemical characteristics and Fe(II) oxidation kinetics of hydrothermal plumes at the Southwest Indian Ridge. <i>Marine Chemistry</i> , 2012, 134-135, 29-35.	0.9	28
1949	Humic substance-mediated Fe(III) reduction by a fermenting <i>Bacillus</i> strain from the alkaline gut of a humus-feeding scarab beetle larva. <i>Systematic and Applied Microbiology</i> , 2012, 35, 226-232.	1.2	23
1950	Successful microcosm demonstration of a strategy for biodegradation of a mixture of carbon tetrachloride and perchloroethene harnessing sulfate reducing and dehalorespiring bacteria. <i>Journal of Hazardous Materials</i> , 2012, 219-220, 169-175.	6.5	15
1951	Variable infiltration and river flooding resulting in changing groundwater quality – A case study from Central Europe. <i>Journal of Hydrology</i> , 2012, 414-415, 211-219.	2.3	9
1952	Isolation and characterization of a novel biomineral stalk-forming iron-oxidizing bacterium from a circumneutral groundwater seep. <i>Environmental Microbiology</i> , 2012, 14, 1671-1680.	1.8	62
1953	Reevaluation of Copper(I) Affinity for Amyloid- β Peptides by Competition with Ferrozine – An Unusual Copper(I) Indicator. <i>Chemistry - A European Journal</i> , 2012, 18, 1161-1167.	1.7	73
1954	Arsenic Removal from Water by Iron-Modified Bamboo Charcoal. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1033-1044.	1.1	57
1955	FeDFOB and FeEDDHA immobilized on Sepharose gels as an Fe sources to plants. <i>Plant and Soil</i> , 2012, 350, 379-391.	1.8	3
1956	Use of metal-reducing bacteria for bioremediation of soil contaminated with mixed organic and inorganic pollutants. <i>Environmental Geochemistry and Health</i> , 2012, 34, 135-142.	1.8	34
1957	Catastrophic Dieback of <i>Cyperus Papyrus</i> in Response to Geochemical Changes in an East Mediterranean Altered Wetland. <i>Wetlands</i> , 2013, 33, 747-758.	0.7	5
1958	Application of waterworks sludge in wastewater treatment plants. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 1157-1166.	1.8	12
1959	The role of <i>Acidithiobacillus ferrooxidans</i> and <i>Acidithiobacillus thiooxidans</i> in arsenic bioleaching from soil. <i>Environmental Geochemistry and Health</i> , 2013, 35, 727-733.	1.8	29
1960	Impacts of long-line aquaculture of Pacific oysters (<i>Crassostrea gigas</i>) on sulfate reduction and diffusive nutrient flux in the coastal sediments of Jinhae – Tongyeong, Korea. <i>Marine Pollution Bulletin</i> , 2013, 74, 187-198.	2.3	45
1961	Introducing Colorimetric Analysis with Camera Phones and Digital Cameras: An Activity for High School or General Chemistry. <i>Journal of Chemical Education</i> , 2013, 90, 1191-1195.	1.1	88

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1962	Differential Arsenic Mobilization from As-Bearing Ferrihydrite by Iron-Respiring Shewanella Strains with Different Arsenic-Reducing Activities. <i>Environmental Science & Technology</i> , 2013, 47, 130710112631007.	4.6	23
1963	Unique Residues at the 3-Fold and 4-Fold Axis of Mycobacterial Ferritin Are Involved in Oligomer Switching. <i>Biochemistry</i> , 2013, 52, 1694-1704.	1.2	10
1964	Mathematical calculations of iron complex stoichiometry by direct UV-Vis spectrophotometry. <i>Biorganic Chemistry</i> , 2013, 49, 1-8.	2.0	25
1965	Effect of temperature on submerged macrophyte litter decomposition within sediments from a large shallow and subtropical freshwater lake. <i>Hydrobiologia</i> , 2013, 714, 131-144.	1.0	47
1966	Neutrophilic, nitrate-dependent, Fe(II) oxidation by a <i>Dechloromonas</i> species. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 617-623.	1.7	72
1967	Investigations into the differential reactivity of endogenous and exogenous mercury species in coastal sediments. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1292-1301.	2.7	5
1968	Evaluation of quantitative probes for weaker Cu(I) binding sites completes a set of four capable of detecting Cu(I) affinities from nanomolar to attomolar. <i>Metallomics</i> , 2013, 5, 501.	1.0	63
1969	Ferritin and ferrihydrite nanoparticles as iron sources for <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 371-381.	1.1	30
1970	Iron supplementation decreases plasma zinc but has no effect on plasma fatty acids in non-anemic women. <i>Nutrition Research</i> , 2013, 33, 272-278.	1.3	7
1971	Photochemical degradation of vinyl chloride with an Advanced Reduction Process (ARP) – Effects of reagents and pH. <i>Chemical Engineering Journal</i> , 2013, 215-216, 868-875.	6.6	66
1972	Particulate and gas sampling of prescribed fires in South Georgia, USA. <i>Atmospheric Environment</i> , 2013, 81, 125-135.	1.9	22
1973	Relating nuclear magnetic resonance relaxation time distributions to void-size distributions for unconsolidated sand packs. <i>Geophysics</i> , 2013, 78, D461-D472.	1.4	27
1974	Effects of physical and chemical characteristics of surface sediments in the formation of shallow lake algae-induced black bloom. <i>Journal of Environmental Sciences</i> , 2013, 25, 2353-2360.	3.2	59
1975	Degradation of vinyl chloride (VC) by the sulfite/UV advanced reduction process (ARP): Effects of process variables and a kinetic model. <i>Science of the Total Environment</i> , 2013, 454-455, 578-583.	3.9	80
1976	<i>Natranaerobaculum magadiense</i> gen. nov., sp. nov., an anaerobic, alkalithermophilic bacterium from soda lake sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4456-4461.	0.8	21
1977	Glutathione and ascorbic acid protect <i>Arabidopsis</i> plants against detrimental effects of iron deficiency. <i>Journal of Experimental Botany</i> , 2013, 64, 3169-3178.	2.4	94
1978	Ferrous iron chelating property of low-molecular weight succinoglycans isolated from <i>Sinorhizobium meliloti</i> . <i>BioMetals</i> , 2013, 26, 321-328.	1.8	11
1979	Dissimilatory Reduction and Transformation of Ferrihydrite-Humic Acid Coprecipitates. <i>Environmental Science & Technology</i> , 2013, 47, 13375-13384.	4.6	180

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1980	Crystal Structure, Exogenous Ligand Binding, and Redox Properties of an Engineered Diiron Active Site in a Bacterial Hemerythrin. <i>Inorganic Chemistry</i> , 2013, 52, 13014-13020.	1.9	10
1981	Mobilization and re-adsorption of arsenate on ferrihydrite and hematite in the presence of oxalate. <i>Journal of Hazardous Materials</i> , 2013, 262, 701-708.	6.5	30
1982	7.10 Chemical Characteristics of Sediments and Seawater. <i>Frontiers in Earth Sciences</i> , 2013, , 1457-1514.	0.1	1
1983	Controls on tungsten concentrations in groundwater flow systems: The role of adsorption, aquifer sediment Fe(III) oxide/oxyhydroxide content, and thio tungstate formation. <i>Chemical Geology</i> , 2013, 351, 76-94.	1.4	78
1984	Impact of electron acceptor availability on the anaerobic oxidation of methane in coastal freshwater and brackish wetland sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 115, 15-30.	1.6	167
1985	Degradation of diclofenac by pyrite catalyzed Fenton oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 93-102.	10.8	320
1986	Enhanced benthic response to upwelling of the Indonesian Throughflow onto the southern shelf of Timorâ€Leste, Timor Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 158-170.	1.3	8
1987	Enhancement of arsenic mobility by Fe(III)-reducing bacteria from iron oxide minerals. <i>Journal of Material Cycles and Waste Management</i> , 2013, 15, 362-369.	1.6	11
1988	Phytotoxic Sulfide More Important than Nutrients for Plants Within a Groundwater-Fed Wetland. <i>Ecosystems</i> , 2013, 16, 1118-1129.	1.6	13
1989	Changes in Nutrient Biogeochemistry in Response to the Regression of <i>Zostera noltii</i> Meadows in the Arcachon Bay (France). <i>Aquatic Geochemistry</i> , 2013, 19, 241-259.	1.5	20
1990	Trace-element and multi-isotope geochemistry of Late-Archean black shales in the CarajÃs iron-ore district, Brazil. <i>Chemical Geology</i> , 2013, 362, 91-104.	1.4	40
1991	Methanogenesis Facilitated by Geobiochemical Iron Cycle in a Novel Syntrophic Methanogenic Microbial Community. <i>Environmental Science & Technology</i> , 2013, 47, 10078-10084.	4.6	78
1992	Iron reduction and mineralization of deepâ€sea iron reducing bacterium <i>S</i> hewanella piezotolerans <i>WP</i> 3 at elevated hydrostatic pressures. <i>Geobiology</i> , 2013, 11, 593-601.	1.1	24
1993	The impact of oscillating redox conditions: Arsenic immobilisation in contaminated calcareous floodplain soils. <i>Environmental Pollution</i> , 2013, 178, 254-263.	3.7	73
1994	An anoxic, Fe(II)-rich, U-poor ocean 3.46 billion years ago. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 65-79.	1.6	76
1995	Mobile uranium(IV)-bearing colloids in a mining-impacted wetland. <i>Nature Communications</i> , 2013, 4, 2942.	5.8	151
1996	Acetate-utilizing bacteria at an oxic-anoxic interface in the Baltic Sea. <i>FEMS Microbiology Ecology</i> , 2013, 85, 251-261.	1.3	22
1997	Magnetite Formation by the Novel Fe(III)-reducing <i>Geothrix fermentans</i> Strain HradG1 Isolated from a Hydrocarbon-Contaminated Sediment with Increased Magnetic Susceptibility. <i>Geomicrobiology Journal</i> , 2013, 30, 863-873.	1.0	30

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1998	Biological synthesis of free-standing uniformed goethite nanowires by <i>Shewanella</i> sp. HN-41. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1646-1650.	5.2	24
1999	Organic Carbon and Reducing Conditions Lead to Cadmium Immobilization by Secondary Fe Mineral Formation in a pH-Neutral Soil. <i>Environmental Science & Technology</i> , 2013, 47, 13430-13439.	4.6	114
2000	<i>Metallibacterium scheffleri</i> gen. nov., sp. nov., an alkalinizing gammaproteobacterium isolated from an acidic biofilm. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1499-1504.	0.8	79
2001	Controlled cobalt doping in biogenic magnetite nanoparticles. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130134.	1.5	61
2002	Impact of nZVI stability on mobility in porous media. <i>Journal of Contaminant Hydrology</i> , 2013, 145, 17-25.	1.6	92
2003	Optimization of Magnetosome Production and Growth by the Magnetotactic <i>Vibrio Magnetovibrio blakemorei</i> Strain MV-1 through a Statistics-Based Experimental Design. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2823-2827.	1.4	36
2004	Absorption spectroscopy in microfluidic flow cells using a metal clad leaky waveguide device with a porous gel waveguide layer. <i>Analyst, The</i> , 2013, 138, 307-314.	1.7	23
2005	Lyophilization of a triply unsaturated phospholipid: Effects of trace metal contaminants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 306-313.	2.0	10
2006	Influence of sediment redox conditions on uranium mobilisation during saline intrusion. <i>Chemical Geology</i> , 2013, 357, 158-163.	1.4	9
2007	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
2008	Abiotic U(VI) reduction by sorbed Fe(II) on natural sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 266-282.	1.6	43
2009	Hydrogeochemical niches associated with hyporheic exchange beneath an acid mine drainage-contaminated stream. <i>Journal of Hydrology</i> , 2013, 501, 163-174.	2.3	10
2010	Does vivianite control phosphate solubility in anoxic meadow soils?. <i>Geoderma</i> , 2013, 193-194, 189-199.	2.3	48
2011	Dark Formation of Hydroxyl Radical in Arctic Soil and Surface Waters. <i>Environmental Science & Technology</i> , 2013, 47, 12860-12867.	4.6	198
2012	Ferric iron amendment increases Fe(III)-reducing microbial diversity and carbon oxidation in on-site wastewater systems. <i>Chemosphere</i> , 2013, 90, 1435-1443.	4.2	18
2013	Geochemical cycling of mercury in a deep, confined aquifer: Insights from biogeochemical reactive transport modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 25-43.	1.6	29
2014	Iron isotope geochemistry of biogenic magnetite-bearing sediments from the Bay of Vidy, Lake Geneva. <i>Chemical Geology</i> , 2013, 360-361, 32-40.	1.4	14
2015	Evaluation of experimentally measured and model-calculated pH for rock-â€œbrineâ€œCO ₂ systems under geologic CO ₂ sequestration conditions. <i>Chemical Geology</i> , 2013, 359, 116-124.	1.4	12

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2016	Dissimilatory Iron Reduction in the Presence of Hydrogen: A Case Study of Microbial Activity and Nuclear Waste Disposal. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 409-412.	0.6	6
2017	Strategies of aerobic microbial Fe acquisition from Fe-bearing montmorillonite clay. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 191-202.	1.6	21
2018	CO ₂ -induced shift in microbial activity affects carbon trapping and water quality in anoxic bioreactors. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 198-208.	1.6	28
2019	Biotransformation of lepidocrocite in the presence of quinones and flavins. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 114, 144-155.	1.6	39
2020	Bacteriohopanoid inventory of <i>Geobacter sulfurreducens</i> and <i>Geobacter metallireducens</i> . <i>Organic Geochemistry</i> , 2013, 58, 107-114.	0.9	30
2021	Proof of principle for an engineered microbial biosensor based on <i>Shewanella oneidensis</i> outer membrane protein complexes. <i>Biosensors and Bioelectronics</i> , 2013, 47, 285-291.	5.3	89
2022	Reductive dissolution of goethite and hematite by reduced flavins. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 139-154.	1.6	41
2023	High Sulfide Intrusion in Five Temperate Seagrasses Growing Under Contrasting Sediment Conditions. <i>Estuaries and Coasts</i> , 2013, 36, 116-126.	1.0	28
2024	<i>Ardenticatena maritima</i> gen. nov., sp. nov., a ferric iron- and nitrate-reducing bacterium of the phylum <i>Chloroflexi</i> isolated from an iron-rich coastal hydrothermal field, and description of <i>Ardenticatena classis</i> nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2992-3002.	0.8	145
2025	Electron acceptor dependence of electron shuttle secretion and extracellular electron transfer by <i>Shewanella oneidensis</i> MR-1. <i>Bioresource Technology</i> , 2013, 136, 711-714.	4.8	66
2026	Formation and burial of pyrite and organic sulfur in mud sediments of the East China Sea inner shelf: Constraints from solid-phase sulfur speciation and stable sulfur isotope. <i>Continental Shelf Research</i> , 2013, 54, 24-36.	0.9	35
2027	Iron, glucose and intrinsic factors alter sphingolipid composition as yeast cells enter stationary phase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 726-736.	1.2	26
2028	Date palm by-products as a new ingredient for the meat industry: Application to pork liver pÃ©tÃ©. <i>Meat Science</i> , 2013, 93, 880-887.	2.7	35
2029	Identification of acetate-oxidizing bacteria in a coastal marine surface sediment by RNA-stable isotope probing in anoxic slurries and intact cores. <i>FEMS Microbiology Ecology</i> , 2013, 84, 373-386.	1.3	41
2030	Dissimilatory Fe(III)- and Mn(IV)-Reducing Prokaryotes. , 2013, , 287-308.		52
2031	Oxygen-dependent niche formation of a pyrite-dependent acidophilic consortium built by archaea and bacteria. <i>ISME Journal</i> , 2013, 7, 1725-1737.	4.4	52
2032	Arsenite modifies structure of soil microbial communities and arsenite oxidization potential. <i>FEMS Microbiology Ecology</i> , 2013, 84, 270-279.	1.3	25
2033	Effect of pH and Stream Order on Iron and Arsenic Speciation in Boreal Catchments. <i>Environmental Science & Technology</i> , 2013, 47, 7120-7128.	4.6	113

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2034	Fe ₃ –TiO ₄ Nanoparticles as Tunable Probes of Microbial Metal Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 8896-8907.	6.6	43
2035	Nitrite Reactivity with Magnetite. <i>Environmental Science & Technology</i> , 2013, 47, 6206-6213.	4.6	73
2036	Measurement of $\delta^{18}\text{O}$ values in arsenic and selenium oxyanions. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 117-126.	0.7	4
2037	Reactions Involving Iron in Mediating Catechol Oxidation in Model Wine. <i>American Journal of Enology and Viticulture</i> , 2013, 64, 316-324.	0.9	71
2038	Promoted Reduction of Tellurite and Formation of Extracellular Tellurium Nanorods by Concerted Reaction between Iron and <i>Shewanella oneidensis</i> MR-1. <i>Environmental Science & Technology</i> , 2013, 47, 130710121310004.	4.6	18
2039	Tiny Grains Give Huge Gains: Nanocrystal-Based Signal Amplification for Biomolecule Detection. <i>ACS Nano</i> , 2013, 7, 5142-5150.	7.3	39
2040	Effectiveness of anaerobic iron bio-reduction of jarosite and the influence of humic substances. <i>Hydrometallurgy</i> , 2013, 131-132, 29-33.	1.8	26
2041	Effects of road salt deicers on sediment biogeochemistry. <i>Biogeochemistry</i> , 2013, 112, 343-358.	1.7	42
2042	Enhanced semipermanent dialysis samplers for long-term environmental monitoring in saturated sediments. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3613-3624.	1.3	14
2043	Micromodel Investigation of Transport Effect on the Kinetics of Reductive Dissolution of Hematite. <i>Environmental Science & Technology</i> , 2013, 47, 4131-4139.	4.6	14
2044	Ligand-Enhanced Abiotic Iron Oxidation and the Effects of Chemical versus Biological Iron Cycling in Anoxic Environments. <i>Environmental Science & Technology</i> , 2013, 47, 2602-2611.	4.6	73
2045	Abundant Porewater Mn(III) Is a Major Component of the Sedimentary Redox System. <i>Science</i> , 2013, 341, 875-878.	6.0	222
2046	Fate of Cd during Microbial Fe(III) Mineral Reduction by a Novel and Cd-Tolerant <i>Geobacter</i> Species. <i>Environmental Science & Technology</i> , 2013, 47, 14099-14109.	4.6	113
2047	Abiotic Reductive Immobilization of U(VI) by Biogenic Mackinawite. <i>Environmental Science & Technology</i> , 2013, 47, 2361-2369.	4.6	100
2048	Intermediate sulfur oxidation state compounds in the euxinic surface sediments of the Dvurechenskii mud volcano (Black Sea). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 130-145.	1.6	38
2049	Interference of ferric ions with ferrous iron quantification using the ferrozine assay. <i>Journal of Microbiological Methods</i> , 2013, 95, 366-367.	0.7	26
2050	Oxidative dissolution of UO ₂ in a simulated groundwater containing synthetic nanocrystalline mackinawite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 102, 175-190.	1.6	61
2051	The role of anaerobic respiration in the immobilization of uranium through biomineralization of phosphate minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 344-363.	1.6	57

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2052	Exopolysaccharides from <i>Sinorhizobium meliloti</i> Can Protect against H ₂ O ₂ -Dependent Damage. <i>Journal of Bacteriology</i> , 2013, 195, 5362-5369.	1.0	83
2053	Iron Isotope Composition of Particles Produced by UV-Femtosecond Laser Ablation of Natural Oxides, Sulfides, and Carbonates. <i>Analytical Chemistry</i> , 2013, 85, 11885-11892.	3.2	36
2054	Mechanism and Kinetics of Dark Iron Redox Transformations in Previously Photolyzed Acidic Natural Organic Matter Solutions. <i>Environmental Science & Technology</i> , 2013, 47, 1861-1869.	4.6	59
2055	<i>Magnetovibrio blakemorei</i> gen. nov., sp. nov., a magnetotactic bacterium (Alphaproteobacteria :) Tj ETQq1 1 0.784314 rgBT /Overloc <i>Microbiology</i> , 2013, 63, 1824-1833.	0.8	102
2056	Sensitive analysis of trace water analytes using colourimetric cavity ringdown spectroscopy. <i>Analytical Methods</i> , 2013, 5, 239-247.	1.3	9
2057	Effectiveness of Green Tea in a Randomized Human Cohort: Relevance to Diabetes and Its Complications. <i>BioMed Research International</i> , 2013, 2013, 1-12.	0.9	51
2058	SPION-Enhanced Magnetic Resonance Imaging of Alzheimer's Disease Plaques in A β 2PP/PS-1 Transgenic Mouse Brain. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 349-365.	1.2	86
2059	Investigation of Chemical Compounds, Antioxidant and Antimicrobial Properties of <i>Teucrium arduini</i> L. (Lamiaceae). <i>Current Drug Targets</i> , 2013, 14, 1006-1014.	1.0	26
2060	Chemolithotrophic nitrate-dependent Fe(II)-oxidizing nature of actinobacterial subdivision lineage TM3. <i>ISME Journal</i> , 2013, 7, 1582-1594.	4.4	30
2061	Iron economy in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2013, 4, 337.	1.7	65
2062	Fe(II) Oxidation Is an Innate Capability of Nitrate-Reducing Bacteria That Involves Abiotic and Biotic Reactions. <i>Journal of Bacteriology</i> , 2013, 195, 3260-3268.	1.0	144
2063	Change in Serum Ferritin Concentration in Experimentally Induced Anemia of Chronic Inflammation in Dogs. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 1419-1426.	0.3	10
2064	Genomic Plasticity Enables a Secondary Electron Transport Pathway in <i>Shewanella oneidensis</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 1150-1159.	1.4	23
2065	Extracellular Electron Transfer to Fe(III) Oxides by the Hyperthermophilic Archaeon <i>Geoglobus ahangari</i> via a Direct Contact Mechanism. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4694-4700.	1.4	41
2066	An Optimised 1,10-Phenanthroline Method for the Determination of Ferrous and Ferric Oxides in Silicate Rocks, Soils and Minerals. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 155-168.	1.7	23
2067	Microbial Reducibility of Fe(III) Phases Associated with the Genesis of Iron Ore Caves in the Iron Quadrangle, Minas Gerais, Brazil. <i>Minerals (Basel, Switzerland)</i> , 2013, 3, 395-411.	0.8	42
2068	Genomic and Physiological Characterization of the Chromate-Reducing, Aquifer-Derived Firmicute <i>Pelosinus</i> sp. Strain HCF1. <i>Applied and Environmental Microbiology</i> , 2013, 79, 63-73.	1.4	65
2069	Natural Organic Matter as Global Antennae for Primary Production. <i>Astrobiology</i> , 2013, 13, 476-482.	1.5	8

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2070	Oxidation of Fe(II) leads to increased C-methylation of pentacyclic triterpenoids in the anoxygenic phototrophic bacterium <i>Rhodospirillum rubrum</i> strain TIE-1. <i>Geobiology</i> , 2013, 11, 268-278.	1.1	35
2071	<i>In situ</i> analysis of oxygen consumption and diffusive transport in high-temperature acidic iron-oxide microbial mats. <i>Environmental Microbiology</i> , 2013, 15, 2360-2370.	1.8	22
2072	Iron Isotope Characteristics of Hot Springs at Chocolate Pots, Yellowstone National Park. <i>Astrobiology</i> , 2013, 13, 1091-1101.	1.5	36
2073	Abiotic oxidation of Fe(II) by reactive nitrogen species in cultures of the nitrate-reducing Fe(II) oxidizer <i>Acidovorax</i> sp. BoFeN1 – questioning the existence of enzymatic Fe(II) oxidation. <i>Geobiology</i> , 2013, 11, 180-190.	1.1	224
2074	Flavin Electron Shuttles Dominate Extracellular Electron Transfer by <i>Shewanella oneidensis</i> . <i>MBio</i> , 2013, 4, .	1.8	369
2075	Iron cycling at corroding carbon steel surfaces. <i>Biofouling</i> , 2013, 29, 1243-1252.	0.8	55
2076	Functional Gene Analysis of Freshwater Iron-Rich Floccs at Circumneutral pH and Isolation of a Stalk-Forming Microaerophilic Iron-Oxidizing Bacterium. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5283-5290.	1.4	45
2077	The Mechanism, Thermodynamic and Kinetic Characteristics of the Microbial Reduction of Goethite Mediated by Anthraquinone-2-Sulfonate. <i>Geomicrobiology Journal</i> , 2013, 30, 928-940.	1.0	12
2078	Bacterial and Archaeal Diversity in an Iron-Rich Coastal Hydrothermal Field in Yamagawa, Kagoshima, Japan. <i>Microbes and Environments</i> , 2013, 28, 405-413.	0.7	10
2079	Factors Influencing Measurement of Serum Iron Concentration in Dogs: Diurnal Variation and Hyperferritinemia. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 1615-1618.	0.3	11
2080	A comparison of three colorimetric methods of ferrous and total reactive iron measurement in freshwaters. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 113-125.	1.0	40
2081	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
2082	Diffuse flow environments within basalt- and sediment-based hydrothermal vent ecosystems harbor specialized microbial communities. <i>Frontiers in Microbiology</i> , 2013, 4, 182.	1.5	44
2083	Improved Alternatives for Monitoring Flow Accelerated Corrosion in the Steam Cycle. , 2013, , .		0
2084	Promotion of Iron Oxide Reduction and Extracellular Electron Transfer in <i>Shewanella oneidensis</i> by DMSO. <i>PLoS ONE</i> , 2013, 8, e78466.	1.1	12
2085	Reductive Reactivity of Iron(III) Oxides in the East China Sea Sediments: Characterization by Selective Extraction and Kinetic Dissolution. <i>PLoS ONE</i> , 2013, 8, e80367.	1.1	4
2086	Cobalt Cycling and Fate in Lake Vanda. <i>Antarctic Research Series</i> , 2013, , 205-215.	0.2	4
2087	Metagenomic evidence for sulfur lithotrophy by Epsilonproteobacteria as the major energy source for primary productivity in a sub-aerial arctic glacial deposit, Borup Fiord Pass. <i>Frontiers in Microbiology</i> , 2013, 4, 63.	1.5	42

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2088	Iron (III) Ion Sensor Based on the Seedless Grown ZnO Nanorods in 3 Dimensions Using Nickel Foam Substrate. <i>Journal of Sensors</i> , 2013, 2013, 1-7.	0.6	3
2089	First Evidence for the Presence of Iron Oxidizing Zetaproteobacteria at the Levantine Continental Margins. <i>PLoS ONE</i> , 2014, 9, e91456.	1.1	35
2090	Antidiabetic Property of <i>Symplocos cochinchinensis</i> Is Mediated by Inhibition of Alpha Glucosidase and Enhanced Insulin Sensitivity. <i>PLoS ONE</i> , 2014, 9, e105829.	1.1	21
2091	Phylogenetic diversity of microorganisms in subseafloor crustal fluids from Holes 1025C and 1026B along the Juan de Fuca Ridge flank. <i>Frontiers in Microbiology</i> , 2014, 5, 119.	1.5	31
2092	Accounting for biological aggregation in heating and imaging of magnetic nanoparticles. <i>Technology</i> , 2014, 02, 214-228.	1.4	102
2093	Transformation of natural ferrihydrite aged in situ in As, Cr and Cu contaminated soil studied by reduction kinetics. <i>Applied Geochemistry</i> , 2014, 51, 293-302.	1.4	27
2094	Biochemical and Biophysical Methods for Studying Mitochondrial Iron Metabolism. <i>Methods in Enzymology</i> , 2014, 547, 275-307.	0.4	12
2095	Investigating the Effects of Se Solid Phase Substitution in Jarosite Minerals Influenced by Bacterial Reductive Dissolution. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 17-36.	0.8	5
2096	Depth-dependent geochemical and microbiological gradients in Fe(III) deposits resulting from coal mine-derived acid mine drainage. <i>Frontiers in Microbiology</i> , 2014, 5, 215.	1.5	41
2097	Microbially enhanced dissolution of H_2S in an acid mine drainage system in the California coast Range. <i>Geobiology</i> , 2014, 12, 20-33.	1.1	16
2098	Simultaneous Reduction of Arsenic(V) and Uranium(VI) by Mackinawite: Role of Uranyl Arsenate Precipitate Formation. <i>Environmental Science & Technology</i> , 2014, 48, 14326-14334.	4.6	28
2099	On the isotope composition of reactive iron in marine sediments: Redox shuttle versus early diagenesis. <i>Chemical Geology</i> , 2014, 389, 48-59.	1.4	65
2100	Removal of chromium [Cr(VI)] from contaminated solutions by using biogenic ferrous iron in bio-reduced minerals. <i>Geosystem Engineering</i> , 2014, 17, 95-103.	0.7	4
2101	Hydrogen, acetate, and lactate as electron donors for microbial manganese reduction in a manganese-rich coastal marine sediment. <i>FEMS Microbiology Ecology</i> , 2014, 87, 733-745.	1.3	29
2102	Interdependencies between Biotic and Abiotic Ferrous Iron Oxidation and Influence of pH, Oxygen and Ferric Iron Deposits. <i>Geomicrobiology Journal</i> , 2014, 31, 461-472.	1.0	16
2103	Anaerobic oxidation of methane by sulfate in hypersaline groundwater of the Dead Sea aquifer. <i>Geobiology</i> , 2014, 12, 511-528.	1.1	43
2104	Identification of a molecular signature unique to metal-reducing <i>Gammaproteobacteria</i> . <i>FEMS Microbiology Letters</i> , 2014, 350, 90-99.	0.7	22
2105	Metabolic Flexibility and Substrate Preference by the Fe(II)-Oxidizing Purple Non-Sulphur Bacterium <i>Rhodospseudomonas palustris</i> Strain TIE-1. <i>Geomicrobiology Journal</i> , 2014, 31, 835-843.	1.0	21

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2106	Simple and Efficient Separation of Magnetic Minerals From Speleothems and Other Carbonates. <i>Journal of Sedimentary Research</i> , 2014, 84, 1096-1106.	0.8	20
2107	Laboratory study of spectral induced polarization responses of magnetite α -Fe ₂ O ₃ redox reactions in porous media. <i>Geophysics</i> , 2014, 79, D21-D30.	1.4	29
2108	Oxidation of synthesized sub-micron pyrite (FeS ₂) in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 144, 96-108.	1.6	56
2109	Ferrous iron formation following the co-aggregation of ferric iron and the Alzheimer's disease peptide β -amyloid (1-42). <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140165.	1.5	111
2110	A large volume particulate and water multi-sampler with in situ preservation for microbial and biogeochemical studies. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 94, 195-206.	0.6	49
2111	Trace Element Status (Iron, Zinc, Copper, Chromium, Cobalt, and Nickel) in Iron-Deficiency Anaemia of Children under 3 Years. <i>Anemia</i> , 2014, 2014, 1-8.	0.5	50
2112	Iron Distribution in Size-Resolved Aerosols Generated by UV -Femtosecond Laser Ablation: Influence of Cell Geometry and Implications for <i>In Situ</i> Isotopic Determination by LA-ICP-MS . <i>Geostandards and Geoanalytical Research</i> , 2014, 38, 293-309.	1.7	29
2113	Optimized ferrozine-based assay for dissolved iron. <i>Analytical Biochemistry</i> , 2014, 454, 36-37.	1.1	55
2114	Nitrate-dependent anaerobic methane oxidation in a freshwater sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 132, 141-150.	1.6	65
2115	Oxygen and phosphorus dynamics in freshwater sediment after the deposition of flocculated cyanobacteria and the role of tubificid worms. <i>Journal of Hazardous Materials</i> , 2014, 266, 1-9.	6.5	25
2116	The impact of ornithogenic inputs on phosphorous transport from altered wetland soils to waterways in East Mediterranean ecosystem. <i>Science of the Total Environment</i> , 2014, 473-474, 36-42.	3.9	10
2117	Iron isotope fractionation between aqueous Fe(II) and goethite revisited: New insights based on a multi-direction approach to equilibrium and isotopic exchange rate modification. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 383-398.	1.6	84
2118	Fe(III) reduction-mediated phosphate removal as vivianite ($\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$) in septic system wastewater. <i>Chemosphere</i> , 2014, 97, 1-9.	4.2	53
2119	Quick sulfide buffering in inner shelf sediments of the East China Sea impacted by eutrophication. <i>Environmental Earth Sciences</i> , 2014, 71, 465-473.	1.3	11
2120	The characterization and role of aeolian deposition on water quality, McMurdo Dry Valleys, Antarctica. <i>Aeolian Research</i> , 2014, 13, 7-17.	1.1	21
2121	Separate effects of flooding and anaerobiosis on soil greenhouse gas emissions and redox sensitive biogeochemistry. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 557-566.	1.3	65
2122	Collaborative microbial Fe-redox cycling by pelagic floc bacteria across wide ranging oxygenated aquatic systems. <i>Chemical Geology</i> , 2014, 366, 90-102.	1.4	45
2123	Kinetic characterization on reductive reactivity of iron(III) oxides in surface sediments of the East China Sea and the influence of repeated redox cycles: Implications for microbial iron reduction. <i>Applied Geochemistry</i> , 2014, 42, 16-26.	1.4	14

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2124	Hydrogenase Activity of Mineral-Associated and Suspended Populations of <i>Desulfovibrio desulfuricans</i> Essex 6. <i>Microbial Ecology</i> , 2014, 67, 318-326.	1.4	0
2125	Re-flooding a Historically Drained Wetland Leads to Rapid Sediment Phosphorus Release. <i>Ecosystems</i> , 2014, 17, 641-656.	1.6	40
2126	The proton iron-sulfur cluster environment of the [FeFe]-hydrogenase maturation protein HydF from <i>Thermotoga neapolitana</i> . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 18574-18582.	3.8	9
2127	An enhanced Fenton reaction catalyzed by natural heterogeneous pyrite for nitrobenzene degradation in an aqueous solution. <i>Chemical Engineering Journal</i> , 2014, 244, 438-445.	6.6	152
2128	Degradation of pyrene in cetylpyridinium chloride-aided soil washing wastewater by pyrite Fenton reaction. <i>Chemical Engineering Journal</i> , 2014, 249, 34-41.	6.6	53
2129	Determination of the Fe(II)aqâ€œmagnetite equilibrium iron isotope fractionation factor using the three-isotope method and a multi-direction approach to equilibrium. <i>Earth and Planetary Science Letters</i> , 2014, 391, 77-86.	1.8	91
2130	Phosphorus release from anaerobic peat soils during convective discharge â€” Effect of soil Fe:P molar ratio and preferential flow. <i>Geoderma</i> , 2014, 223-225, 21-32.	2.3	44
2131	<i>Shewanella putrefaciens</i> for the remediation of Au ³⁺ , Co ²⁺ and Fe ³⁺ metal ions from aqueous systems. <i>Biochemical Engineering Journal</i> , 2014, 85, 101-109.	1.8	26
2132	The Nitric Oxide Reductase Mechanism of a Flavo-Diiron Protein: Identification of Active-Site Intermediates and Products. <i>Journal of the American Chemical Society</i> , 2014, 136, 7981-7992.	6.6	67
2133	To improve the performance of sediment microbial fuel cell through amending colloidal iron oxyhydroxide into freshwater sediments. <i>Bioresource Technology</i> , 2014, 159, 232-239.	4.8	69
2134	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
2135	Influence of lipids with hydroxyl-containing head groups on Fe ²⁺ (Cu ²⁺)/H ₂ O ₂ -mediated transformation of phospholipids in model membranes. <i>Chemistry and Physics of Lipids</i> , 2014, 177, 1-7.	1.5	8
2136	¹⁵ N- and ² H proteomic stable isotope probing links nitrogen flow to archaeal heterotrophic activity. <i>Environmental Microbiology</i> , 2014, 16, 3224-3237.	1.8	48
2137	Photo-induced oxidation of Sb(III) on goethite. <i>Chemosphere</i> , 2014, 95, 295-300.	4.2	66
2138	An assessment of microbial communities associated with surface mining-disturbed overburden. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 1917-1929.	1.3	29
2139	Fe(III) oxides protect fermenterâ€œmethanogen syntrophy against interruption by elemental sulfur via stiffening of Fe(II) sulfides produced by sulfur respiration. <i>Extremophiles</i> , 2014, 18, 351-361.	0.9	7
2140	Impact of organic carbon and iron bioavailability on the magnetic susceptibility of soils. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 44-57.	1.6	27
2141	Extremely elevated methyl mercury levels in water, sediment and organisms in a Romanian reservoir affected by release of mercury from a chlor-alkali plant. <i>Water Research</i> , 2014, 49, 391-405.	5.3	93

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2142	Electron Transfer from Humic Substances to Biogenic and Abiogenic Fe(III) Oxyhydroxide Minerals. <i>Environmental Science & Technology</i> , 2014, 48, 1656-1664.	4.6	84
2143	Dynamics of submarine groundwater discharge and associated fluxes of dissolved nutrients, carbon, and trace gases to the coastal zone (Okatee River estuary, South Carolina). <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 81-97.	1.6	67
2144	Characterization of natural titanomagnetites (Fe ₃ ~xTi _x O ₄) for studying heterogeneous electron transfer to Tc(VII) in the Hanford subsurface. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 114-127.	1.6	20
2145	Metal-Induced Isomerization Yields an Intracellular Chelator that Disrupts Bacterial Iron Homeostasis. <i>Chemistry and Biology</i> , 2014, 21, 136-145.	6.2	16
2146	Cloud point extraction: A sustainable method of elemental preconcentration and speciation. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1209-1219.	2.9	116
2147	Cells with Impaired Mitochondrial H ₂ O ₂ Sensing Generate Less [€] OH Radicals and Live Longer. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1490-1503.	2.5	19
2148	Biosynthesis of Zinc Substituted Magnetite Nanoparticles with Enhanced Magnetic Properties. <i>Advanced Functional Materials</i> , 2014, 24, 2518-2529.	7.8	87
2149	Sulfur Species as Redox Partners and Electron Shuttles for Ferrihydrite Reduction by <i>Sulfurospirillum deleyianum</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 3141-3149.	1.4	69
2150	High spatial resolution of distribution and interconnections between ^F and ^N redox processes in profundal lake sediments. <i>Environmental Microbiology</i> , 2014, 16, 3287-3303.	1.8	44
2151	Evidence for dissolved organic matter as the primary source and sink of photochemically produced hydroxyl radical in arctic surface waters. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 807-822.	1.7	92
2152	H ₂ O ₂ -dependent substrate oxidation by an engineered diiron site in a bacterial hemerythrin. <i>Chemical Communications</i> , 2014, 50, 3421-3423.	2.2	9
2153	Competing retention pathways of uranium upon reaction with Fe(II). <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 166-185.	1.6	60
2154	Impacts of freshwater flushing on anammox community structure and activities in the New River Estuary, USA. <i>Aquatic Microbial Ecology</i> , 2014, 72, 17-31.	0.9	51
2155	The Cys-Tyr Cross-Link of Cysteine Dioxygenase Changes the Optimal pH of the Reaction without a Structural Change. <i>Biochemistry</i> , 2014, 53, 7961-7968.	1.2	36
2156	Influence of Nutrient Concentrations on MPN Quantification and Enrichment of Nitrate-Reducing Fe(II)-Oxidizing and Fe(III)-Reducing Bacteria from Littoral Freshwater Lake Sediments. <i>Geomicrobiology Journal</i> , 2014, 31, 788-801.	1.0	10
2157	Cr(VI) and azo dye removal using a hollow-fibre membrane system functionalized with a biogenic Pd-magnetite catalyst. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1046-1054.	1.2	14
2158	Flavodiiron Oxygen Reductase from <i>Entamoeba histolytica</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 28260-28270.	1.6	22
2159	An arsenic-specific biosensor with genetically engineered <i>Shewanella oneidensis</i> in a bioelectrochemical system. <i>Biosensors and Bioelectronics</i> , 2014, 62, 320-324.	5.3	141

#	ARTICLE	IF	CITATIONS
2160	Adsorption and desorption of arsenic to aquifer sediment on the Red River floodplain at Nam Du, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 587-600.	1.6	74
2161	Geochemical evidence for euxinia during the Late Devonian extinction events in the Michigan Basin (U.S.A.). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 414, 146-154.	1.0	38
2162	Comparison of Humic Substance- and Fe(III)-Reducing Microbial Communities in Anoxic Aquifers. <i>Geomicrobiology Journal</i> , 2014, 31, 917-928.	1.0	19
2163	First laccase in green algae: purification and characterization of an extracellular phenol oxidase from <i>Tetracystis aerea</i> . <i>Planta</i> , 2014, 240, 1225-1236.	1.6	71
2164	Geochemical and Microbiological Responses to Oxidant Introduction into Reduced Subsurface Sediment from the Hanford 300 Area, Washington. <i>Environmental Science & Technology</i> , 2014, 48, 9197-9204.	4.6	10
2165	Thermodynamic Controls on the Kinetics of Microbial Low-pH Fe(II) Oxidation. <i>Environmental Science & Technology</i> , 2014, 48, 9246-9254.	4.6	22
2166	Biochar as an Electron Shuttle between Bacteria and Fe(III) Minerals. <i>Environmental Science and Technology Letters</i> , 2014, 1, 339-344.	3.9	432
2167	<i>Acidibacter ferrireducens</i> gen. nov., sp. nov.: an acidophilic ferric iron-reducing gammaproteobacterium. <i>Extremophiles</i> , 2014, 18, 1067-1073.	0.9	92
2168	Spatial distribution of organic and pyritic sulfur in surface sediments of eutrophic Jiaozhou Bay, China: Clues to anthropogenic impacts. <i>Marine Pollution Bulletin</i> , 2014, 88, 284-291.	2.3	12
2169	Iron oxides stimulate sulfate-driven anaerobic methane oxidation in seeps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4139-47.	3.3	112
2170	Sulfidization of lacustrine glacial clay upon Holocene marine transgression (Arkona Basin, Baltic). <i>Journal of Environmental and Planetary Science</i> , 2014, 10, 1-10.	1.6	38
2171	Geochemical Production of Reactive Oxygen Species From Biogeochemically Reduced Fe. <i>Environmental Science & Technology</i> , 2014, 48, 3815-3821.	4.6	35
2172	A transmembrane porin-cytochrome protein complex for extracellular electron transfer by <i>Geobacter sulfurreducens</i> . <i>Environmental Microbiology Reports</i> , 2014, 6, 776-785.	1.0	178
2173	Selenate adsorption to composites of <i>Escherichia coli</i> and iron oxide during the addition, oxidation, and hydrolysis of Fe(II). <i>Chemical Geology</i> , 2014, 383, 180-193.	1.4	19
2174	Evidence of Redox-Active Iron Formation Following Aggregation of Ferrihydrite and the Alzheimer's Disease Peptide β -Amyloid. <i>Inorganic Chemistry</i> , 2014, 53, 2803-2809.	1.9	52
2175	Sulfidization of lepidocrocite and its effect on uranium phase distribution and reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 570-586.	1.6	17
2176	Mobilization of metals from Eau Claire siltstone and the impact of oxygen under geological carbon dioxide sequestration conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 62-82.	1.6	25
2177	Some ozone advanced oxidation processes to improve the biological removal of selected pharmaceutical contaminants from urban wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 410-421.	0.9	36

#	ARTICLE	IF	CITATIONS
2178	Effect of iron oxide reductive dissolution on the transformation and immobilization of arsenic in soils: New insights from X-ray photoelectron and X-ray absorption spectroscopy. <i>Journal of Hazardous Materials</i> , 2014, 279, 212-219.	6.5	77
2179	Nano-FeS Inhibits UO ₂ Reoxidation under Varied Oxidic Conditions. <i>Environmental Science & Technology</i> , 2014, 48, 632-640.	4.6	53
2180	Uranium Incorporation into Amorphous Silica. <i>Environmental Science & Technology</i> , 2014, 48, 8636-8644.	4.6	35
2181	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
2182	Temperature and the Sulfur Cycle Control Monomethylmercury Cycling in High Arctic Coastal Marine Sediments from Allen Bay, Nunavut, Canada. <i>Environmental Science & Technology</i> , 2014, 48, 2680-2687.	4.6	36
2183	Formation of Layered Fe(II)-Hydroxides during Fe(II) Sorption onto Clay and Metal-Oxide Substrates. <i>Environmental Science & Technology</i> , 2014, 48, 4937-4945.	4.6	49
2184	Research of Iron Reduction and the Iron Reductase Localization of Anammox Bacteria. <i>Current Microbiology</i> , 2014, 69, 880-887.	1.0	36
2185	Dissolved Fe(II) in a river-estuary system rich in dissolved organic matter. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 151, 1-9.	0.9	27
2186	Photoenhanced Electrochemical Interaction between <i>Shewanella</i> and a Hematite Nanowire Photoanode. <i>Nano Letters</i> , 2014, 14, 3688-3693.	4.5	121
2187	Microbial Engineering of Floc Fe and Trace Element Geochemistry in a Circumneutral, Remote Lake. <i>Environmental Science & Technology</i> , 2014, 48, 6578-6587.	4.6	10
2188	Predominance of Biotic over Abiotic Formation of Halogenated Hydrocarbons in Hypersaline Sediments in Western Australia. <i>Environmental Science & Technology</i> , 2014, 48, 9170-9178.	4.6	30
2189	Extraction of copper from an oxidized (lateritic) ore using bacterially catalysed reductive dissolution. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6297-305.	1.7	21
2190	Effect of Solution and Solid-Phase Conditions on the Fe(II)-Accelerated Transformation of Ferrihydrite to Lepidocrocite and Goethite. <i>Environmental Science & Technology</i> , 2014, 48, 5477-5485.	4.6	265
2191	Reduction and immobilization of hexavalent chromium by microbially reduced Fe-bearing clay minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 186-203.	1.6	103
2192	Effect of Water Management on Interannual Variation in Bulk Soil Properties from the Eastern Coastal Everglades. <i>Wetlands</i> , 2014, 34, 47-54.	0.7	2
2193	Microbially facilitated incorporation of As(III) into bioreduced Fe-(hydr)oxide minerals. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 123-128.	0.9	4
2194	Ecological succession among iron-oxidizing bacteria. <i>ISME Journal</i> , 2014, 8, 804-815.	4.4	80
2195	Photocatalytic degradation of 17 β -ethinylestradiol (EE2) in the presence of TiO ₂ -doped zeolite. <i>Journal of Hazardous Materials</i> , 2014, 279, 17-25.	6.5	80

#	ARTICLE	IF	CITATIONS
2196	Redox Interactions Between Cr(VI) and Fe(II) in Bioreduced Biotite and Chlorite. <i>Environmental Science & Technology</i> , 2014, 48, 11337-11342.	4.6	54
2197	Acid Extraction Overestimates the Total Fe(II) in the Presence of Iron (Hydr)oxide and Sulfide Minerals. <i>Environmental Science and Technology Letters</i> , 2014, 1, 310-314.	3.9	10
2198	Response of Soil-Associated Microbial Communities to Intrusion of Coal Mine-Derived Acid Mine Drainage. <i>Environmental Science & Technology</i> , 2014, 48, 8556-8563.	4.6	51
2199	Divergent Aquifer Biogeochemical Systems Converge on Similar and Unexpected Cr(VI) Reduction Products. <i>Environmental Science & Technology</i> , 2014, 48, 10699-10706.	4.6	24
2200	Reaction of Ferrate(VI) with ABTS and Self-Decay of Ferrate(VI): Kinetics and Mechanisms. <i>Environmental Science & Technology</i> , 2014, 48, 5154-5162.	4.6	248
2201	Iron-Based Redox Polymerization of Acrylic Acid for Direct Synthesis of Hydrogel/Membranes and Metal Nanoparticles for Water Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 1130-1142.	1.8	32
2202	Chemical stability of ^{99m} Tc-DTPA under aerobic and microbially mediated Fe(III)-reducing conditions in porous media. <i>Applied Radiation and Isotopes</i> , 2014, 94, 175-181.	0.7	0
2203	Coupled Effects of Aging and Weak Magnetic Fields on Sequestration of Selenite by Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2014, 48, 6326-6334.	4.6	139
2205	Chlorite dissolution rates under CO ₂ saturated conditions from 50 to 120°C and 120 to 200bar CO ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 225-240.	1.6	43
2206	Increased rates of dissimilatory nitrate reduction to ammonium (DNRA) under oxic conditions in a periodically hypoxic estuary. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 313-324.	1.6	103
2207	Sediment desiccation as a driver of phosphate availability in the water column of Mediterranean wetlands. <i>Science of the Total Environment</i> , 2014, 466-467, 965-975.	3.9	21
2208	Degradation of 1,2-dichloroethane with advanced reduction processes (ARPs): Effects of process variables and mechanisms. <i>Chemical Engineering Journal</i> , 2014, 237, 300-307.	6.6	89
2209	The role of iron in the diagenesis of organic carbon and nitrogen in sediments: A long-term incubation experiment. <i>Marine Chemistry</i> , 2014, 162, 1-9.	0.9	36
2210	Effects of dissimilatory sulfate reduction on Fe(III) (hydr)oxide reduction and microbial community development. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 129, 177-190.	1.6	68
2211	Beyond hypoxia: Occurrence and characteristics of black blooms due to the decomposition of the submerged plant <i>Potamogeton crispus</i> in a shallow lake. <i>Journal of Environmental Sciences</i> , 2014, 26, 281-288.	3.2	66
2212	In situ generation of hydrogen peroxide from pharmaceuticals single ozonation: A comparative study of its application on Fenton like systems. <i>Chemical Engineering Journal</i> , 2014, 235, 46-51.	6.6	21
2213	Uncovering a Microbial Enigma: Isolation and Characterization of the Streamer-Generating, Iron-Oxidizing, Acidophilic Bacterium <i>Ferroplasma myxofaciens</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 672-680.	1.4	137
2214	Performance and characterization of calcined colloidal pyrite used for copper removal from aqueous solutions in a fixed bed column. <i>International Journal of Mineral Processing</i> , 2014, 130, 82-87.	2.6	18

#	ARTICLE	IF	CITATIONS
2215	Rates of low-pH biological Fe(II) oxidation in the Appalachian Bituminous Coal Basin and the Iberian Pyrite Belt. <i>Applied Geochemistry</i> , 2014, 47, 85-98.	1.4	11
2216	Nickel partitioning in biogenic and abiogenic ferrihydrite: The influence of silica and implications for ancient environments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 65-79.	1.6	56
2217	Characterization of the physiology and cell-mineral interactions of the marine anoxygenic phototrophic Fe(II) oxidizer <i>Rhodovulum iodosum</i> - implications for Precambrian Fe(II) oxidation. <i>FEMS Microbiology Ecology</i> , 2014, 88, 503-515.	1.3	64
2218	Electrically released iron for fouling control in membrane bioreactors: A double-edged sword?. <i>Desalination</i> , 2014, 347, 10-14.	4.0	19
2219	Citrate influences microbial Fe hydroxide reduction via a dissolution-disaggregation mechanism. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 434-446.	1.6	19
2220	Fe(II)- and sulfide-facilitated reduction of $^{99}\text{Tc}(\text{VII})\text{O}_4^-$ in microbially reduced hyporheic zone sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 136, 247-264.	1.6	39
2221	Microbially-accelerated consolidation of oil sands tailings. Pathway II: solid phase biogeochemistry. <i>Frontiers in Microbiology</i> , 2014, 5, 107.	1.5	41
2222	Roles of thermophilic thiosulfate-reducing bacteria and methanogenic archaea in the biocorrosion of oil pipelines. <i>Frontiers in Microbiology</i> , 2014, 5, 89.	1.5	57
2223	Seasonal Pattern of the Biogeochemical Properties of Mangrove Sediments Receiving Shrimp Farm Effluents (New Caledonia). <i>Journal of Aquaculture Research & Development</i> , 2014, 05, .	0.4	14
2224	Optical and SPION-Enhanced MR Imaging Shows that trans-Stilbene Inhibitors of NF- κ B Concomitantly Lower Alzheimer's Disease Plaque Formation and Microglial Activation in A β PP/PS-1 Transgenic Mouse Brain. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 191-212.	1.2	51
2225	Classification of clouds sampled at the puy de D \tilde{a} me (France) based on 10 yr of monitoring of their physicochemical properties. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1485-1506.	1.9	92
2226	Use of Molecular Methods (Pyrosequencing) for Evaluating MIC Potential in Water Systems for Oil Production in the North Sea. , 2014, , .		2
2227	Abiotic effects of dissolved oxyanions on iron plaque quantity and mineral composition in a simulated rhizosphere. <i>Plant and Soil</i> , 2015, 397, 43-61.	1.8	30
2228	Particle dynamics in the rising plume at <i>Piccard Hydrothermal Field</i> , <i>M. C. R. Geochimistry, Geophysics, Geosystems</i> , 2015, 16, 2762-2774.	1.0	13
2229	Iron Metabolism in Field Hockey Players During an Annual Training Cycle. <i>Journal of Human Kinetics</i> , 2015, 47, 107-114.	0.7	10
2230	Antarctica's Dry Valleys: A potential source of soluble iron to the Southern Ocean?. <i>Geophysical Research Letters</i> , 2015, 42, 1912-1918.	1.5	19
2231	Characterization of Chromium Bioremediation Products in Flow-Through Column Sediments Using Micro-X-ray Fluorescence and X-ray Absorption Spectroscopy. <i>Journal of Environmental Quality</i> , 2015, 44, 729-738.	1.0	11
2232	Removal of volatile organic sulfur compounds by aeration during algae-induced black blooms in shallow lakes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, , jws2015260.	0.6	2

#	ARTICLE	IF	CITATIONS
2233	Carbon mineralization pathways and bioturbation in coastal Brazilian sediments. <i>Scientific Reports</i> , 2015, 5, 16122.	1.6	34
2234	Can land use intensification in the Mallee, Australia increase the supply of soluble iron to the Southern Ocean?. <i>Scientific Reports</i> , 2014, 4, 6009.	1.6	9
2235	Metal concentrations and soluble iron speciation in fine particulate matter from light rail activity in the Denver-Metropolitan area. <i>Atmospheric Pollution Research</i> , 2015, 6, 495-502.	1.8	14
2236	Characterizing mineralogy and redox reactivity in potential host rocks for a UK geological disposal facility. <i>Mineralogical Magazine</i> , 2015, 79, 1353-1367.	0.6	6
2237	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-Iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13289-13292.	7.2	9
2238	Annual sulfur cycle in a warm monomictic lake with sub-millimolar sulfate concentrations. <i>Geochemical Transactions</i> , 2015, 16, 7.	1.8	25
2239	Laboratory photochemical processing of aqueous aerosols: formation and degradation of dicarboxylic acids, oxocarboxylic acids and β -dicarbonyls. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7999-8012.	1.9	41
2240	A better understanding of hydroxyl radical photochemical sources in cloud waters collected at the puy de Dôme station – experimental versus modelled formation rates. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9191-9202.	1.9	50
2241	Nitrogen reduction pathways in estuarine sediments: Influences of organic carbon and sulfide. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1958-1972.	1.3	71
2242	Deep dynamic pools of phosphorus in the sediment of a temperate lagoon with recurring blooms of diazotrophic cyanobacteria. <i>Limnology and Oceanography</i> , 2015, 60, 2185-2196.	1.6	11
2243	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-Iron Complexes. <i>Angewandte Chemie</i> , 2015, 127, 13487-13490.	1.6	0
2244	Synthesis of Ganbajunins D and E and the Proposed Structure of Thelephantin D. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5798-5809.	1.2	4
2245	Effects of different water storage procedures on the dissolved Fe concentration and isotopic composition of chemically contrasted waters from the Amazon River Basin. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2102-2108.	0.7	5
2246	Linking sedimentary sulfur and iron biogeochemistry to growth patterns of a cold-water coral mound in the Porcupine Basin, S.W. Ireland (IODP Expedition 307). <i>Geobiology</i> , 2015, 13, 424-442.	1.1	5
2247	Methane-related changes in prokaryotes along geochemical profiles in sediments of Lake Kinneret (Israel). <i>Biogeosciences</i> , 2015, 12, 2847-2860.	1.3	23
2248	Effect of fluctuating oxygen concentration on iron oxidation at the pelagic ferrocline of a meromictic lake. <i>Environmental Chemistry</i> , 2015, 12, 723.	0.7	8
2249	Treatment of Actual Chemical Wastewater by a Heterogeneous Fenton Process Using Natural Pyrite. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 13762-13778.	1.2	21
2250	Concentrations and Fractionation of Carbon, Iron, Sulfur, Nitrogen and Phosphorus in Mangrove Sediments Along an Intertidal Gradient (Semi-Arid Climate, New Caledonia). <i>Journal of Marine Science and Engineering</i> , 2015, 3, 52-72.	1.2	47

#	ARTICLE	IF	CITATIONS
2251	Physiology, Fe(II) oxidation, and Fe mineral formation by a marine planktonic cyanobacterium grown under ferruginous conditions. <i>Frontiers in Earth Science</i> , 2015, 3, .	0.8	27
2252	Direct involvement of ombB, omaB, and omcB genes in extracellular reduction of Fe(III) by <i>Geobacter sulfurreducens</i> PCA. <i>Frontiers in Microbiology</i> , 2015, 6, 1075.	1.5	57
2253	Solute Concentrations Influence Microbial Methanogenesis in Coal-bearing Strata of the Cherokee Basin, USA. <i>Frontiers in Microbiology</i> , 2015, 6, 1287.	1.5	36
2254	Iron and Ferritin Levels in the Serum and Milk of Bovine Leukemia Virus-Infected Dairy Cows. <i>Frontiers in Veterinary Science</i> , 2015, 2, 12.	0.9	6
2255	Iron and Manganese Reduction-Oxidation. <i>Soil Science Society of America Book Series</i> , 0, , 701-721.	0.3	2
2256	Characterization of incubation experiments and development of an enrichment culture capable of ammonium oxidation under iron-reducing conditions. <i>Biogeosciences</i> , 2015, 12, 769-779.	1.3	109
2257	Factors Controlling Phosphorus Mobilization in a Coastal Plain Tributary to the Chesapeake Bay. <i>Soil Science Society of America Journal</i> , 2015, 79, 826-837.	1.2	27
2258	Operative Pathways of Chromate and Uranyl Reduction within Soils and Sediments. <i>SSSA Special Publication Series</i> , 0, , 111-129.	0.2	0
2259	Effects of temperature and organic pollution on nutrient cycling in marine sediments. <i>Biogeosciences</i> , 2015, 12, 4565-4575.	1.3	29
2260	Organic N and P in eutrophic fjord sediments – rates of mineralization and consequences for internal nutrient loading. <i>Biogeosciences</i> , 2015, 12, 1765-1779.	1.3	30
2261	Direct and Mn-Controlled Indirect Iron Oxidation by <i>Leptothrix discophora</i> SS-1 and <i>Leptothrix cholodnii</i> . <i>Geomicrobiology Journal</i> , 2015, 32, 934-943.	1.0	9
2262	Iron isotope fractionation in sediments of an oligotrophic freshwater lake. <i>Earth and Planetary Science Letters</i> , 2015, 423, 164-172.	1.8	23
2263	Influence of clay minerals on sorption and bioreduction of arsenic under anoxic conditions. <i>Environmental Geochemistry and Health</i> , 2015, 37, 997-1005.	1.8	10
2264	Biogenic nano-magnetite and nano-zero valent iron treatment of alkaline Cr(VI) leachate and chromite ore processing residue. <i>Applied Geochemistry</i> , 2015, 54, 27-42.	1.4	72
2265	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
2266	Microbial iron reduction and methane oxidation in subsurface sediments of the Arabian Sea. <i>Marine and Petroleum Geology</i> , 2015, 67, 327-335.	1.5	5
2267	Diffusive – Dispersive and Reactive Fronts in Porous Media: Iron(II) Oxidation at the Unsaturated – Saturated Interface. <i>Vadose Zone Journal</i> , 2015, 14, 1-14.	1.3	30
2268	Mechanistic insights into iron redox transformations in the presence of natural organic matter: Impact of pH and light. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 14-34.	1.6	56

#	ARTICLE	IF	CITATIONS
2269	Accumulation of iron-binding compounds in root of <i>Pinus sylvestris</i> challenged by <i>Heterobasidion annosum</i> sensu lato. <i>Dendrobiology</i> , 0, 73, 103-110.	0.6	3
2270	Reductive dissolution of scorodite in the presence of <i>Shewanella</i> sp. AN32 and <i>Shewanella</i> sp. ANA-3. <i>Applied Geochemistry</i> , 2015, 63, 347-356.	1.4	23
2271	Hydroquinone-Mediated Redox Cycling of Iron and Concomitant Oxidation of Hydroquinone in Oxidic Waters under Acidic Conditions: Comparison with Iron-Natural Organic Matter Interactions. <i>Environmental Science & Technology</i> , 2015, 49, 14076-14084.	4.6	108
2272	Water quality changes in acid mine drainage streams in Gangneung, Korea, 10 years after treatment with limestone. <i>Journal of Geochemical Exploration</i> , 2015, 159, 234-242.	1.5	37
2273	Characteristics of <i>Acidibacillus</i> Spp.: A Novel Genus of Acidophilic Iron-Oxidising Firmicutes. <i>Advanced Materials Research</i> , 0, 1130, 36-39.	0.3	5
2274	Reductive Dissolution of Iron Oxides and Manganese Bioleaching by <i>Acidiphilium cryptum</i> JF-5. <i>Advanced Materials Research</i> , 2015, 1130, 347-350.	0.3	6
2275	Efficient selenate removal by zero-valent iron in the presence of weak magnetic field. <i>Separation and Purification Technology</i> , 2015, 156, 1064-1072.	3.9	60
2276	Characterization and Proteomic Analysis of <i>Geobacter sulfurreducens</i> PCA under Long-Term Electron-Donor Starvation. <i>Geomicrobiology Journal</i> , 0, , 00-00.	1.0	2
2277	<i>Desulfuromonas carbonis</i> sp. nov., an Fe(III)-, S ₀ - and Mn(IV)-reducing bacterium isolated from an active coalbed methane gas well. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1686-1693.	0.8	35
2278	Mimicking the Fenton reaction-induced wood decay by fungi for pretreatment of lignocellulose. <i>Bioresource Technology</i> , 2015, 179, 467-472.	4.8	75
2279	Precontrol of algae-induced black blooms through sediment dredging at appropriate depth in a typical eutrophic shallow lake. <i>Ecological Engineering</i> , 2015, 77, 139-145.	1.6	73
2280	Methane oxidation coupled to oxygenic photosynthesis in anoxic waters. <i>ISME Journal</i> , 2015, 9, 1991-2002.	4.4	135
2281	Quantitative PCR Analysis of Functional Genes in Iron-Rich Microbial Mats at an Active Hydrothermal Vent System (Lāʻihi Seamount, Hawai'i). <i>Applied and Environmental Microbiology</i> , 2015, 81, 2976-2984.	1.4	32
2282	The origin, composition, and reactivity of dissolved iron(III) complexes in coastal organic- and iron-rich sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 152, 72-88.	1.6	27
2283	The effect of pH on stable iron isotope exchange and fractionation between aqueous Fe(II) and goethite. <i>Chemical Geology</i> , 2015, 397, 118-127.	1.4	48
2284	Development and application of a microfluidic in-situ analyzer for dissolved Fe and Mn in natural waters. <i>Talanta</i> , 2015, 136, 15-22.	2.9	36
2285	Atom Exchange between Aqueous Fe(II) and Structural Fe in Clay Minerals. <i>Environmental Science & Technology</i> , 2015, 49, 2786-2795.	4.6	46
2286	Insights into iron sources and pathways in the Amazon River provided by isotopic and spectroscopic studies. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 142-159.	1.6	28

#	ARTICLE	IF	CITATIONS
2287	Arsenic and antimony geochemistry of mine wastes, associated waters and sediments at the Giant Mine, Yellowknife, Northwest Territories, Canada. <i>Applied Geochemistry</i> , 2015, 62, 3-17.	1.4	88
2288	<i>Acidithrix ferrooxidans</i> gen. nov., sp. nov.; a filamentous and obligately heterotrophic, acidophilic member of the Actinobacteria that catalyzes dissimilatory oxido-reduction of iron. <i>Research in Microbiology</i> , 2015, 166, 111-120.	1.0	59
2289	To prevent the occurrence of black water agglomerate through delaying decomposition of cyanobacterial bloom biomass by sediment microbial fuel cell. <i>Journal of Hazardous Materials</i> , 2015, 287, 7-15.	6.5	58
2290	Iron(III)-Bearing Clay Minerals Enhance Bioreduction of Nitrobenzene by <i>Shewanella putrefaciens</i> CN32. <i>Environmental Science & Technology</i> , 2015, 49, 1418-1426.	4.6	71
2291	Geochemical Niches of Iron-Oxidizing Acidophiles in Acidic Coal Mine Drainage. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1242-1250.	1.4	68
2292	High Spatial and Fast Changes of Iron Redox State and Phosphorus Solubility in a Seasonally Flooded Temperate Wetland Soil. <i>Wetlands</i> , 2015, 35, 237-246.	0.7	16
2293	Fe(III) mineral reduction followed by partial dissolution and reactive oxygen species generation during 2,4,6-trinitrotoluene transformation by the aerobic yeast <i>Yarrowia lipolytica</i> . <i>AMB Express</i> , 2015, 5, 8.	1.4	20
2294	Dissolved iron(II) ligands in river and estuarine water. <i>Marine Chemistry</i> , 2015, 173, 173-182.	0.9	40
2295	Multicopper oxidase-1 orthologs from diverse insect species have ascorbate oxidase activity. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 59, 58-71.	1.2	29
2296	Dioxygen and nitric oxide scavenging by <i>Treponema denticola</i> flavodiiron protein: a mechanistic paradigm for catalysis. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 603-613.	1.1	19
2297	Effects of pH, dissolved oxygen, and aqueous ferrous iron on the adsorption of arsenic to lepidocrocite. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 331-338.	5.0	93
2298	Concentration of <i>Cryptosporidium</i> oocysts from river water by coagulation and foam separation combined with acid dissolution of ferric flocs. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 311-316.	0.9	5
2299	Possibility of bacterial leaching of antimony, chromium, copper, manganese, nickel, and zinc from contaminated sediment. <i>Journal of Geochemical Exploration</i> , 2015, 156, 153-161.	1.5	12
2300	A geochemical characterization of cold-water natural acid rock drainage at the Zn-Pb deposit, Yukon, Canada. <i>Applied Geochemistry</i> , 2015, 62, 35-47.	1.4	11
2301	Fractionation of Fe isotopes during Fe(II) oxidation by a marine photoferrotroph is controlled by the formation of organic Fe-complexes and colloidal Fe fractions. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 44-61.	1.6	48
2302	Natural stressors in uncontaminated sediments of shallow freshwaters: The prevalence of sulfide, ammonia, and reduced iron. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 467-479.	2.2	18
2303	The effect of salinization and freshening events in coastal aquifers on nutrient characteristics as deduced from column experiments under aerobic and anaerobic conditions. <i>Journal of Hydrology</i> , 2015, 529, 1282-1292.	2.3	10
2304	Effects of soluble flavin on heterogeneous electron transfer between surface-exposed bacterial cytochromes and iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 299-310.	1.6	41

#	ARTICLE	IF	CITATIONS
2305	Pore and continuum scale study of the effect of subgrid transport heterogeneity on redox reaction rates. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 140-155.	1.6	16
2306	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
2307	The effects of iron(II) on the kinetics of arsenic oxidation and sorption on manganese oxides. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 319-328.	5.0	40
2308	Effect of Phospholipid on Pyrite Oxidation and Microbial Communities under Simulated Acid Mine Drainage (AMD) Conditions. <i>Environmental Science & Technology</i> , 2015, 49, 7701-7708.	4.6	38
2309	In situ site preservation in the unsaturated zone: Avaldsnes. <i>Quaternary International</i> , 2015, 368, 68-79.	0.7	3
2310	Structural and functional insights into the conductive pili of <i>Geobacter sulfurreducens</i> revealed in molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22217-22226.	1.3	85
2311	Vivianite formation and its role in phosphorus retention in Lake Årø, Denmark. <i>Chemical Geology</i> , 2015, 409, 42-53.	1.4	53
2312	Marine sediments microbes capable of electrode oxidation as a surrogate for lithotrophic insoluble substrate metabolism. <i>Frontiers in Microbiology</i> , 2014, 5, 784.	1.5	86
2313	Dynamics of phosphorus-iron-sulfur at the sediment-water interface influenced by algae blooms decomposition. <i>Journal of Hazardous Materials</i> , 2015, 300, 329-337.	6.5	120
2314	Frataxin Accelerates [2Fe-2S] Cluster Formation on the Human Fe-S Assembly Complex. <i>Biochemistry</i> , 2015, 54, 3880-3889.	1.2	65
2315	Changes in phosphorylation of adenosine phosphate and redox state of nicotinamide-adenine dinucleotide (phosphate) in <i>Geobacter sulfurreducens</i> in response to electron acceptor and anode potential variation. <i>Bioelectrochemistry</i> , 2015, 106, 213-220.	2.4	17
2316	Cu(II) removal by <i>E. coli</i> iron oxide composites during the addition and oxidation of Fe(II). <i>Chemical Geology</i> , 2015, 409, 136-148.	1.4	7
2317	5-Arylvinylene-2,2'-bipyridyls: Bright push-pull dyes as components in fluorescent indicators for zinc ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 311, 1-15.	2.0	46
2318	Iron reduction by the deep-sea bacterium <i>Shewanella profunda</i> LT13a under subsurface pressure and temperature conditions. <i>Frontiers in Microbiology</i> , 2014, 5, 796.	1.5	21
2319	Iron Atom Exchange between Hematite and Aqueous Fe(II). <i>Environmental Science & Technology</i> , 2015, 49, 8479-8486.	4.6	99
2320	Selective Recovery of Dissolved Metals from Mine Drainage Using Electrochemical Reactions. <i>Electrochimica Acta</i> , 2015, 181, 248-254.	2.6	58
2321	Limited Zn and Ni mobility during simulated iron formation diagenesis. <i>Chemical Geology</i> , 2015, 402, 30-39.	1.4	24
2322	Protocol for Evaluating the Biological Stability of Fuel Formulations and Their Relationship to Carbon Steel Biocorrosion. <i>Springer Protocols</i> , 2015, , 211-226.	0.1	4

#	ARTICLE	IF	CITATIONS
2323	Complete removal of AHPS synthetic dye from water using new electro-fenton oxidation catalyzed by natural pyrite as heterogeneous catalyst. <i>Journal of Hazardous Materials</i> , 2015, 297, 34-41.	6.5	221
2324	Effect of chloride driven copper redox cycling on the kinetics of Fe(II) oxidation in aqueous solutions at pH 6.5–8.0. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 118-127.	1.6	13
2325	The role of bacterial and algal exopolymeric substances in iron chemistry. <i>Marine Chemistry</i> , 2015, 173, 148-161.	0.9	44
2326	Geochemistry of redox-sensitive trace elements in a shallow subterranean estuary. <i>Marine Chemistry</i> , 2015, 172, 70-81.	0.9	55
2327	Manganese, iron, and sulfur cycling in Louisiana continental shelf sediments. <i>Continental Shelf Research</i> , 2015, 99, 46-56.	0.9	21
2328	Low temperature, non-stoichiometric oxygen-isotope exchange coupled to Fe(II)–goethite interactions. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 38-54.	1.6	27
2329	Dominance of sulfur-fueled iron oxide reduction in low-sulfate freshwater sediments. <i>ISME Journal</i> , 2015, 9, 2400-2412.	4.4	172
2330	Bacterial community composition at anodes of microbial fuel cells for paddy soils: the effects of soil properties. <i>Journal of Soils and Sediments</i> , 2015, 15, 926-936.	1.5	51
2331	Studies on Different Iron Source Absorption by in Situ Ligated Intestinal Loops of Broilers. <i>Biological Trace Element Research</i> , 2015, 163, 154-161.	1.9	5
2332	Weak Correlation Between Methane Production and Abundance of Methanogens Across Three Brackish Marsh Zones in the Min River Estuary, China. <i>Estuaries and Coasts</i> , 2015, 38, 1872-1884.	1.0	11
2333	Role of humic substances in promoting autotrophic growth in nitrate-dependent iron-oxidizing bacteria. <i>Systematic and Applied Microbiology</i> , 2015, 38, 184-188.	1.2	38
2334	Potential for Microbial Oxidation of Ferrous Iron in Basaltic Glass. <i>Astrobiology</i> , 2015, 15, 331-340.	1.5	5
2335	Redox cycling of Fe(II) and Fe(III) in magnetite by Fe-metabolizing bacteria. <i>Science</i> , 2015, 347, 1473-1476.	6.0	239
2336	Isolation of an Arsenate-Respiring Bacterium from a Redox Front in an Arsenic-Polluted Aquifer in West Bengal, Bengal Basin. <i>Environmental Science & Technology</i> , 2015, 49, 4193-4199.	4.6	65
2337	The role of fossil fuel combustion on the stability of dissolved iron in rainwater. <i>Atmospheric Environment</i> , 2015, 107, 187-193.	1.9	7
2338	The Impact of Gamma Radiation on Sediment Microbial Processes. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4014-4025.	1.4	22
2339	Oxidation of Fe(II)–EDTA by nitrite and by two nitrate-reducing Fe(II)-oxidizing <i>Acidovorax</i> strains. <i>Geobiology</i> , 2015, 13, 198-207.	1.1	43
2340	Secondary Mineral Formation During Ferrihydrite Reduction by <i>Shewanella oneidensis</i> MR-1 Depends on Incubation Vessel Orientation and Resulting Gradients of Cells, Fe ²⁺ and Fe Minerals. <i>Geomicrobiology Journal</i> , 2015, 32, 878-889.	1.0	23

#	ARTICLE	IF	CITATIONS
2341	Protection of phototrophic iron(II)-oxidizing bacteria from UV irradiation by biogenic iron(III) minerals: Implications for early Archean banded iron formation. <i>Geology</i> , 0, , G37095.1.	2.0	9
2342	Effect of Iron(II) on Arsenic Sequestration by $\hat{\Gamma}$ -MnO ₂ : Desorption Studies Using Stirred-Flow Experiments and X-Ray Absorption Fine-Structure Spectroscopy. <i>Environmental Science & Technology</i> , 2015, 49, 13360-13368.	4.6	26
2343	A Ferrous Iron Exporter Mediates Iron Resistance in <i>Shewanella oneidensis</i> MR-1. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7938-7944.	1.4	46
2344	Macroscopic and Spectroscopic Assessment of the Cosorption of Fe(II) with As(III) and As(V) on Al-Oxide. <i>Environmental Science & Technology</i> , 2015, 49, 13369-13377.	4.6	22
2345	Nonproteinogenic D-Amino Acids at Millimolar Concentrations Are a Toxin for Anaerobic Microorganisms Relevant to Early Earth and Other Anoxic Planets. <i>Astrobiology</i> , 2015, 15, 238-246.	1.5	6
2346	Scale-up of the production of highly reactive biogenic magnetite nanoparticles using <i>Geobacter sulfurreducens</i> . <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150240.	1.5	49
2347	Microbial Iron Oxidation in the Arctic Tundra and Its Implications for Biogeochemical Cycling. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8066-8075.	1.4	42
2348	Influence of Soil Components on Sorption of Atrazine under Aerobic and Anoxic Conditions. <i>Soil and Sediment Contamination</i> , 2015, 24, 811-831.	1.1	1
2349	Iron geochemistry in surface sediments of a temperate semi-enclosed bay, North China. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 165, 25-35.	0.9	13
2350	Antarctic streams as a potential source of iron for the Southern Ocean: Figure 1.. <i>Geology</i> , 2015, 43, 1003-1006.	2.0	19
2351	The Ferrous Iron-Responsive BqsRS Two-Component System Activates Genes That Promote Cationic Stress Tolerance. <i>MBio</i> , 2015, 6, e02549.	1.8	33
2352	Human calprotectin is an iron-sequestering host-defense protein. <i>Nature Chemical Biology</i> , 2015, 11, 765-771.	3.9	218
2353	Reductive dissolution of magnetite and jarosite by <i>Acidiphilium cryptum</i> JF-5. <i>Hydrometallurgy</i> , 2015, 157, 292-297.	1.8	9
2354	Redox zonation and oscillation in the hyporheic zone of the Ganges-Brahmaputra-Meghna Delta: Implications for the fate of groundwater arsenic during discharge. <i>Applied Geochemistry</i> , 2015, 63, 647-660.	1.4	40
2355	Interference of Nitrite with Pyrite under Acidic Conditions: Implications for Studies of Chemolithotrophic Denitrification. <i>Environmental Science & Technology</i> , 2015, 49, 11403-11410.	4.6	15
2356	An on-line high-performance liquid chromatography-diode-array detector-electrospray ionization-ion-trap-time-of-flight-mass spectrometry-total antioxidant capacity detection system applying two antioxidant methods for activity evaluation of the edible flowers from <i>Prunus mume</i> . <i>Journal of Chromatography A</i> . 2015. 1414. 88-102.	1.8	43
2357	Influence of Coprecipitated Organic Matter on Fe ²⁺ (aq)-Catalyzed Transformation of Ferrihydrite: Implications for Carbon Dynamics. <i>Environmental Science & Technology</i> , 2015, 49, 10927-10936.	4.6	192
2358	A redox-stratified ocean 3.2 billion years ago. <i>Earth and Planetary Science Letters</i> , 2015, 430, 43-53.	1.8	114

#	ARTICLE	IF	CITATIONS
2359	Limitation of ferrozine method for Fe(II) detection: reduction kinetics of micromolar concentration of Fe(III) by ferrozine in the dark. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1424-1434.	1.8	6
2360	nZVI injection into variably saturated soils: Field and modeling study. <i>Journal of Contaminant Hydrology</i> , 2015, 183, 16-28.	1.6	38
2361	Biotic Fe(III) reduction of magnetite coupled to H ₂ oxidation: Implication for radioactive waste geological disposal. <i>Chemical Geology</i> , 2015, 419, 67-74.	1.4	4
2362	Size- and Composition-Dependent Toxicity of Synthetic and Soil-Derived Fe Oxide Colloids for the Nematode <i>Caenorhabditis elegans</i> . <i>Environmental Science & Technology</i> , 2015, 49, 544-552.	4.6	36
2363	Fluorescent Probes for Tracking the Transfer of Iron-Sulfur Cluster and Other Metal Cofactors in Biosynthetic Reaction Pathways. <i>Journal of the American Chemical Society</i> , 2015, 137, 390-398.	6.6	21
2364	Bioleaching of arsenic and heavy metals from mine tailings by pure and mixed cultures of <i>Acidithiobacillus</i> spp.. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 451-458.	2.9	90
2365	Assessment of the role of γ -lipoic acid against the oxidative stress of induced iron overload. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 26-35.	0.7	16
2366	Liver Toxicity of Thioacetamide is Increased by Hepatocellular Iron Overload. <i>Biological Trace Element Research</i> , 2015, 163, 169-176.	1.9	14
2367	Sol-gel based optical sensor for determination of Fe (II): A novel probe for iron speciation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 832-837.	2.0	22
2368	Arsenic removal from drinking water by a household sand filter in Vietnam – Effect of filter usage practices on arsenic removal efficiency and microbiological water quality. <i>Science of the Total Environment</i> , 2015, 502, 526-536.	3.9	50
2369	Roles of conjugated double bonds in electron-donating capacity of sorghum grains. <i>African Journal of Agricultural Research</i> Vol Pp, 2016, 11, 2146-2156.	0.2	1
2370	Potentially bioavailable iron delivery by iceberg-hosted sediments and atmospheric dust to the polar oceans. <i>Biogeosciences</i> , 2016, 13, 3887-3900.	1.3	65
2371	Effect of iron oxide on nitrification in two agricultural soils with different pH. <i>Biogeosciences</i> , 2016, 13, 5609-5617.	1.3	31
2372	Recovery of Dissolved Metals from Beneficiation Wastewater by Electrochemical Oxidation. <i>International Journal of Electrochemical Science</i> , 2016, , 7173-7181.	0.5	2
2373	Seasonal Changes in Fe along a Glaciated Greenlandic Fjord. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	42
2374	High Sulfur Isotope Fractionation Associated with Anaerobic Oxidation of Methane in a Low-Sulfate, Iron-Rich Environment. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	28
2375	Hydrous Ferric Oxides in Sediment Catalyze Formation of Reactive Oxygen Species during Sulfide Oxidation. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	15
2376	Isolation and Characterization of Electrochemically Active Subsurface Delftia and Azonexus Species. <i>Frontiers in Microbiology</i> , 2016, 7, 756.	1.5	65

#	ARTICLE	IF	CITATIONS
2377	The Architecture of Iron Microbial Mats Reflects the Adaptation of Chemolithotrophic Iron Oxidation in Freshwater and Marine Environments. <i>Frontiers in Microbiology</i> , 2016, 7, 796.	1.5	100
2378	Metabolic Capability of a Predominant <i>Halanaerobium</i> sp. in Hydraulically Fractured Gas Wells and Its Implication in Pipeline Corrosion. <i>Frontiers in Microbiology</i> , 2016, 7, 988.	1.5	80
2379	Genetic Identification of a PilT Motor in <i>Geobacter sulfurreducens</i> Reveals a Role for Pilus Retraction in Extracellular Electron Transfer. <i>Frontiers in Microbiology</i> , 2016, 7, 1578.	1.5	26
2380	Methanotrophy under Versatile Conditions in the Water Column of the Ferruginous Meromictic Lake La Cruz (Spain). <i>Frontiers in Microbiology</i> , 2016, 7, 1762.	1.5	41
2381	Effect of Pollution Controls on Atmospheric PM2.5 Composition during Universiade in Shenzhen, China. <i>Atmosphere</i> , 2016, 7, 57.	1.0	13
2382	Impact of Organic Carbon Electron Donors on Microbial Community Development under Iron- and Sulfate-Reducing Conditions. <i>PLoS ONE</i> , 2016, 11, e0146689.	1.1	40
2383	Anaerobic microbial Fe(II) oxidation and Fe(III) reduction in coastal marine sediments controlled by organic carbon content. <i>Environmental Microbiology</i> , 2016, 18, 3159-3174.	1.8	42
2384	Evaluation of siderite and magnetite formation in BIFs by pressure-temperature experiments of Fe(III) minerals and microbial biomass. <i>Earth and Planetary Science Letters</i> , 2016, 450, 243-253.	1.8	33
2385	Production of the natural iron chelator deferriferrichrysin from <i>Aspergillus oryzae</i> and evaluation as a novel food-grade antioxidant. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2998-3006.	1.7	13
2386	Aerobic gammaproteobacterial methanotrophs mitigate methane emissions from oxic and anoxic lake waters. <i>Limnology and Oceanography</i> , 2016, 61, S101.	1.6	119
2387	Methanogens rapidly transition from methane production to iron reduction. <i>Geobiology</i> , 2016, 14, 190-203.	1.1	65
2388	Microbial Fe(III) oxide reduction potential in Chocolate Pots hot spring, Yellowstone National Park. <i>Geobiology</i> , 2016, 14, 255-275.	1.1	59
2389	Evaluating the impacts of small impoundments on stream salamanders. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 1197-1206.	0.9	11
2390	Spectrophotometric determination of phosphate in matrices from sequential leaching of sediments. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 245-256.	1.0	30
2391	Silicon isotope fractionation during microbial reduction of Fe(III)-Si gels under Archean seawater conditions and implications for iron formation genesis. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 190, 85-99.	1.6	26
2392	Characteristics and Kinetic Analysis of AQS Transformation and Microbial Goethite Reduction: Insight into Redox mediator-Microbe-Iron oxide-Interaction Process. <i>Scientific Reports</i> , 2016, 6, 23718.	1.6	3
2393	Degradation of crude oil and PAHs in iron-manganese concretions and sediment from the northern Baltic Sea. <i>Geomicrobiology Journal</i> , 2016, , 00-00.	1.0	4
2394	Boiler and Feedwater Treatment. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
2395	Reconstructing a hydrogen-driven microbial metabolic network in Opalinus Clay rock. <i>Nature Communications</i> , 2016, 7, 12770.	5.8	120
2396	The NMR Relaxation Response of Unconsolidated Sediments during Drainage and Imbibition. <i>Vadose Zone Journal</i> , 2016, 15, 1-13.	1.3	19
2397	Research and Monitoring on Conservation State and Preservation Conditions in Unsaturated Archaeological Deposits of a Medieval Farm Mound in Troms and a Late Stone Age Midden in Finnmark, Northern Norway. <i>Conservation and Management of Archaeological Sites</i> , 2016, 18, 8-29.	0.9	3
2398	The In Situ Preservation in the Unsaturated Zone: Results from Environmental Investigations at the Schultze Gate™ Case Study in the Medieval Town of Trondheim, Norway. <i>Conservation and Management of Archaeological Sites</i> , 2016, 18, 181-204.	0.9	1
2399	Elongated magnetite nanoparticle formation from a solid ferrous precursor in a magnetotactic bacterium. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160665.	1.5	20
2400	Sulfur and iron diagenesis in temperate unsteady sediments of the East China Sea inner shelf and a comparison with tropical mobile mud belts (MMBs). <i>Journal of Geophysical Research C: Biogeosciences</i> , 2016, 121, 2811-2828.	1.3	36
2401	Bioremediation of nitrate and Fe(II) combined contamination in groundwater by heterotrophic denitrifying bacteria and microbial community analysis. <i>RSC Advances</i> , 2016, 6, 108375-108383.	1.7	29
2402	A minimalistic microbial food web in an excavated deep subsurface clay rock. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv138.	1.3	29
2403	Efficiency of organic ligands in adsorptive dissolution and photoreductive dissolution of hematite. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1195-1206.	1.8	5
2404	Redox interactions of Fe and Cu in seawater. <i>Marine Chemistry</i> , 2016, 179, 12-22.	0.9	25
2405	Protection of Nitrate-Reducing Fe(II)-Oxidizing Bacteria from UV Radiation by Biogenic Fe(III) Minerals. <i>Astrobiology</i> , 2016, 16, 301-310.	1.5	8
2406	CymA and Exogenous Flavins Improve Extracellular Electron Transfer and Couple It to Cell Growth in Mtr-Expressing <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2016, 5, 679-688.	1.9	91
2407	Ionic Strength Is a Barrier to the Habitability of Mars. <i>Astrobiology</i> , 2016, 16, 427-442.	1.5	122
2408	Low benthic respiration and nutrient flux at the highly productive Amundsen Sea Polynya, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 123, 92-101.	0.6	15
2409	Structure-activity relationship of antioxidant dipeptides: Dominant role of Tyr, Trp, Cys and Met residues. <i>Journal of Functional Foods</i> , 2016, 21, 485-496.	1.6	140
2410	Anaerobic oxidation of methane associated with sulfate reduction in a natural freshwater gas source. <i>ISME Journal</i> , 2016, 10, 1400-1412.	4.4	90
2411	Isolation and characterisation of mineral-oxidising <i>Acidibacillus</i> spp. from mine sites and geothermal environments in different global locations. <i>Research in Microbiology</i> , 2016, 167, 613-623.	1.0	32
2412	Concentration of MS2 phage in river water by a combined ferric colloid adsorption and foam separation-based method, with MS2 phage leaching from ferric colloid. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 252-256.	1.1	5

#	ARTICLE	IF	CITATIONS
2413	Environmental factors affecting the presence of Acidimicrobiaceae and ammonium removal under iron-reducing conditions in soil environments. <i>Soil Biology and Biochemistry</i> , 2016, 98, 148-158.	4.2	88
2414	Optimum dredging time for inhibition and prevention of algae-induced black blooms in Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14636-14645.	2.7	16
2415	Constraining the role of iron in environmental nitrogen transformations: Dual stable isotope systematics of abiotic NO ₂ ⁻ reduction by Fe(II) and its production of N ₂ O. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 186, 1-12.	1.6	101
2416	Long-distance electron transfer by cable bacteria in aquifer sediments. <i>ISME Journal</i> , 2016, 10, 2010-2019.	4.4	107
2417	Dissimilatory nitrate reduction to ammonium coupled to Fe(II) oxidation in sediments of a periodically hypoxic estuary. <i>Limnology and Oceanography</i> , 2016, 61, 365-381.	1.6	136
2418	Kinetics of pyrite, pyrrhotite, and chalcopyrite dissolution by <i>Acidithiobacillus ferrooxidans</i> . <i>Canadian Journal of Microbiology</i> , 2016, 62, 629-642.	0.8	16
2419	A multiproxy study distinguishes environmental change from diagenetic alteration in the recent sedimentary record of the inner Cadiz Bay (SW Spain). <i>Holocene</i> , 2016, 26, 1355-1370.	0.9	8
2420	Hydrodynamic Forcing Mobilizes Cu in Low-Permeability Estuarine Sediments. <i>Environmental Science & Technology</i> , 2016, 50, 4615-4623.	4.6	17
2421	Nanoscale zerovalent iron (nZVI) at environmentally relevant concentrations induced multigenerational reproductive toxicity in <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , 2016, 150, 615-623.	4.2	46
2422	Terrestrial groundwater and nutrient discharge along the 240-km-long Aquitanian coast. <i>Marine Chemistry</i> , 2016, 185, 38-47.	0.9	26
2423	Trace metals partitioning among different sedimentary mineral phases and the deposit-feeding polychaete <i>Armandia brevis</i> . <i>Science of the Total Environment</i> , 2016, 543, 248-266.	3.9	6
2424	Atmospheric Processing of Volcanic Glass: Effects on Iron Solubility and Redox Speciation. <i>Environmental Science & Technology</i> , 2016, 50, 5033-5040.	4.6	34
2425	Transcriptome and Secretome Analyses of the Wood Decay Fungus <i>Wolfiporia cocos</i> Support Alternative Mechanisms of Lignocellulose Conversion. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3979-3987.	1.4	44
2426	Geochemistry of Dissolved Organic Matter in a Spatially Highly Resolved Groundwater Petroleum Hydrocarbon Plume Cross-Section. <i>Environmental Science & Technology</i> , 2016, 50, 5536-5546.	4.6	55
2427	Evidence for the Existence of Autotrophic Nitrate-Reducing Fe(II)-Oxidizing Bacteria in Marine Coastal Sediment. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6120-6131.	1.4	68
2428	Natural synthesis of bioactive greigite by solid-gas reactions. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 191, 47-57.	1.6	15
2429	Influence of contaminant to hydrogen peroxide to catalyzer molar ratio in the advanced oxidation of thiocyanates and ammonia nitrogen using Fenton-based processes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4129-4136.	3.3	12
2430	Rates of microbial hydrogen oxidation and sulfate reduction in Opalinus Clay rock. <i>Applied Geochemistry</i> , 2016, 72, 42-50.	1.4	18

#	ARTICLE	IF	CITATIONS
2431	Determination of Fe(II), Fe(III) and Fe _{total} in thermal water by ion chromatography spectrophotometry (IC-Vis). International Journal of Environmental Analytical Chemistry, 2016, 96, 1074-1090.	1.8	18
2432	Microbial reduction of ferrihydrite-organic matter coprecipitates by <i>Shewanella putrefaciens</i> and <i>Geobacter metallireducens</i> in comparison to mediated electrochemical reduction. Chemical Geology, 2016, 447, 133-147.	1.4	43
2433	Nitrate-dependent iron oxidation limits iron transport in anoxic ocean regions. Earth and Planetary Science Letters, 2016, 454, 272-281.	1.8	83
2434	Reduction reactivity of catecholamines and their ability to promote a Fenton reaction. Inorganica Chimica Acta, 2016, 453, 1-7.	1.2	17
2435	The phosphorus release pathways and their mechanisms driven by organic carbon and nitrogen in sediments of eutrophic shallow lakes. Science of the Total Environment, 2016, 572, 280-288.	3.9	78
2436	Siderophores in Cloud Waters and Potential Impact on Atmospheric Chemistry: Photoreactivity of Iron Complexes under Sun-Simulated Conditions. Environmental Science & Technology, 2016, 50, 9324-9332.	4.6	33
2437	Stem cell labeling with iron oxide nanoparticles: impact of 3D culture on cell labeling maintenance. Nanomedicine, 2016, 11, 1957-1970.	1.7	6
2438	No enhancement of cyanobacterial bloom biomass decomposition by sediment microbial fuel cell (SMFC) at different temperatures. Environmental Pollution, 2016, 218, 59-65.	3.7	7
2439	Enhanced bioleaching efficiency of metals from E-wastes driven by biochar. Journal of Hazardous Materials, 2016, 320, 393-400.	6.5	66
2440	Geochemical evidence for cryptic sulfur cycling in salt marsh sediments. Earth and Planetary Science Letters, 2016, 453, 23-32.	1.8	42
2441	Antibiotic and heavy metal resistance in <i>Shewanella putrefaciens</i> strains isolated from shellfishes collected from West Sea, Korea. Marine Pollution Bulletin, 2016, 112, 111-116.	2.3	15
2442	Particle size effect and the mechanism of hematite reduction by the outer membrane cytochrome OmcA of <i>Shewanella oneidensis</i> MR-1. Geochimica Et Cosmochimica Acta, 2016, 193, 160-175.	1.6	38
2443	Geochemistry and Mineralogy of Western Australian Salt Lake Sediments: Implications for Meridiani Planum on Mars. Astrobiology, 2016, 16, 525-538.	1.5	14
2444	Increased acid resistance of the archaeon, <i>Metallosphaera sedula</i> by adaptive laboratory evolution. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1455-1465.	1.4	27
2445	Elevated uranium concentrations in Lake Baikal sediments: Burial and early diagenesis. Chemical Geology, 2016, 441, 92-105.	1.4	25
2446	Regional Variation of CH ₄ and N ₂ Production Processes in the Deep Aquifers of an Accretionary Prism. Microbes and Environments, 2016, 31, 329-338.	0.7	18
2447	Coupling among Microbial Communities, Biogeochemistry and Mineralogy across Biogeochemical Facies. Scientific Reports, 2016, 6, 30553.	1.6	26
2448	NapB in excess inhibits growth of <i>Shewanella oneidensis</i> by dissipating electrons of the quinol pool. Scientific Reports, 2016, 6, 37456.	1.6	17

#	ARTICLE	IF	CITATIONS
2449	Facet-Dependent Oxidative Goethite Growth As a Function of Aqueous Solution Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 10406-10412.	4.6	30
2450	Peeking under the Iron Curtain: Development of a Microcosm for Imaging the Colonization of Steel Surfaces by <i>Mariprofundus</i> sp. Strain DIS-1, an Oxygen-Tolerant Fe-Oxidizing Bacterium. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6799-6807.	1.4	36
2451	Evaluation of anionic surfactant removal in anaerobic reactor with Fe(III) supplementation. <i>Journal of Environmental Management</i> , 2016, 183, 687-693.	3.8	12
2452	The role of dissolved Fe(II) concentration in the mineralogical evolution of Fe (hydr)oxides during redox cycling. <i>Chemical Geology</i> , 2016, 438, 163-170.	1.4	41
2453	Iron Kinetics and Evolution of Microbial Populations in Low-pH, Ferrous Iron-Oxidizing Bioreactors. <i>Environmental Science & Technology</i> , 2016, 50, 8239-8245.	4.6	13
2454	A laboratory study to estimate pore geometric parameters of sandstones using complex conductivity and nuclear magnetic resonance for permeability prediction. <i>Water Resources Research</i> , 2016, 52, 4321-4337.	1.7	31
2455	Reductive leaching of jarosites by <i>Aeromonas hydrophila</i> . <i>Minerals Engineering</i> , 2016, 95, 21-28.	1.8	16
2456	Exploring saccharinate-tetrazoles as selective Cu(II) ligands: structure, magnetic properties and cytotoxicity of copper(II) complexes based on 5-(3-aminosaccharyl)-tetrazoles. <i>RSC Advances</i> , 2016, 6, 71628-71637.	1.7	18
2457	Planktonic marine iron oxidizers drive iron mineralization under low oxygen conditions. <i>Geobiology</i> , 2016, 14, 499-508.	1.1	40
2458	A novel role for Crp in controlling magnetosome biosynthesis in <i>Magnetospirillum gryphiswaldense</i> MSR-1. <i>Scientific Reports</i> , 2016, 6, 21156.	1.6	8
2459	Predicting the impact of promoter variability on regulatory outputs. <i>Scientific Reports</i> , 2016, 5, 18238.	1.6	9
2460	Intensive cryptic microbial iron cycling in the low iron water column of the meromictic Lake Cadagno. <i>Environmental Microbiology</i> , 2016, 18, 5288-5302.	1.8	65
2461	Surveys, simulation and single-cell assays relate function and phylogeny in a lake ecosystem. <i>Nature Microbiology</i> , 2016, 1, 16130.	5.9	33
2462	Laboratory Simulation of an Iron(II)-rich Precambrian Marine Upwelling System to Explore the Growth of Photosynthetic Bacteria. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	2
2463	Production of Reactive Oxygen Species in the Rhizosphere of <i>Spartina</i> -Dominated Salt Marsh Systems. <i>Aquatic Geochemistry</i> , 2016, 22, 573-591.	1.5	18
2464	Sediment Core Sectioning and Extraction of Pore Waters under Anoxic Conditions. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	1
2465	In vitro heme biotransformation by the HupZ enzyme from Group A streptococcus. <i>BioMetals</i> , 2016, 29, 593-609.	1.8	27
2466	A comprehensive sulfur and oxygen isotope study of sulfur cycling in a shallow, hyper-euxinic meromictic lake. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 1-23.	1.6	24

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2467	Multisignal control of expression of the LHCX protein family in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 3939-3951.	2.4	93
2468	Divalent metal cation adsorption onto <i>Leptothrix cholodnii</i> SP-6SL bacterial cells. <i>Chemical Geology</i> , 2016, 439, 132-138.	1.4	9
2469	Oxidative biotransformation of biotite and glauconite by alkaliphilic anaerobes: The effect of Fe oxidation on the weathering of phyllosilicates. <i>Chemical Geology</i> , 2016, 439, 98-109.	1.4	24
2470	Iron-manganese concretions contribute to benthic release of phosphorus and arsenic in anoxic conditions in the Baltic Sea. <i>Journal of Soils and Sediments</i> , 2016, 16, 2138-2152.	1.5	10
2471	Speciation of water soluble iron in size segregated airborne particulate matter using LED based liquid waveguide with a novel dispersive absorption spectroscopic measurement technique. <i>Analytica Chimica Acta</i> , 2016, 914, 100-109.	2.6	6
2472	Assessing the oxidising effect of NaNO ₃ and NaNO ₂ from disposed Eurobitum bituminised radioactive waste on the dissolved organic matter in Boom Clay. <i>Applied Geochemistry</i> , 2016, 68, 29-38.	1.4	19
2473	Abiologic silicon isotope fractionation between aqueous Si and Fe(III)-Si gel in simulated Archean seawater: Implications for Si isotope records in Precambrian sedimentary rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 102-122.	1.6	59
2474	Development and evaluation of a novel monitor for online measurement of iron, manganese, and chromium in ambient particulate matter (PM). <i>Science of the Total Environment</i> , 2016, 565, 123-131.	3.9	17
2475	Testing of H ₂ S Inhibitors for Application in a MEOR Field Pilot in Germany. , 2016, , .		2
2476	A comparison of Fe(III) reduction rates between fresh and aged biogenic iron oxides (BIOS) by <i>Shewanella putrefaciens</i> CN32. <i>Chemical Geology</i> , 2016, 439, 1-12.	1.4	12
2477	Iron Isotope Fractionations Reveal a Finite Bioavailable Fe Pool for Structural Fe(III) Reduction in Nontronite. <i>Environmental Science & Technology</i> , 2016, 50, 8661-8669.	4.6	31
2478	Influence of Atmospheric Processes on the Solubility and Composition of Iron in Saharan Dust. <i>Environmental Science & Technology</i> , 2016, 50, 6912-6920.	4.6	67
2479	Microbial reduction of Cr(VI) in the presence of chromate conversion coating constituents. <i>Bioremediation Journal</i> , 2016, 20, 174-182.	1.0	6
2480	Elucidation of the interplay between Fe(II), Fe(III), and dopamine with relevance to iron solubilization and reactive oxygen species generation by catecholamines. <i>Journal of Neurochemistry</i> , 2016, 137, 955-968.	2.1	43
2481	Chemical Flux Associated with Spatially and Temporally Variable Submarine Groundwater Discharge, and Chemical Modification in the Subterranean Estuary at Gloucester Point, VA (USA). <i>Estuaries and Coasts</i> , 2016, 39, 1-12.	1.0	30
2482	Kinetics of sulfate reduction and sulfide precipitation rates in sediments of a bar-built estuary (Pescadero, California). <i>Water Research</i> , 2016, 94, 86-102.	5.3	21
2483	Effect of aqueous Fe(II) on Sb(V) sorption on soil and goethite. <i>Chemosphere</i> , 2016, 147, 44-51.	4.2	53
2484	Conditional iron and pH-dependent activity of a non-enzymatic glycolysis and pentose phosphate pathway. <i>Science Advances</i> , 2016, 2, e1501235.	4.7	65

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2485	Submicron-Scale Heterogeneities in Nickel Sorption of Various Cellâ€“Mineral Aggregates Formed by Fe(II)-Oxidizing Bacteria. <i>Environmental Science & Technology</i> , 2016, 50, 114-125.	4.6	18
2486	Interactions Between Fe(III)-Oxides and Fe(III)-Phyllosilicates During Microbial Reduction 1: Synthetic Sediments. <i>Geomicrobiology Journal</i> , 2016, 33, 793-806.	1.0	7
2487	Transformation of Tetracycline Antibiotics and Fe(II) and Fe(III) Species Induced by Their Complexation. <i>Environmental Science & Technology</i> , 2016, 50, 145-153.	4.6	145
2488	Hydrologic Controls on Nitrogen Cycling Processes and Functional Gene Abundance in Sediments of a Groundwater Flow-Through Lake. <i>Environmental Science & Technology</i> , 2016, 50, 3649-3657.	4.6	75
2489	Effects of Microbial Fe(III) Reduction on the Sorption of Cs and Sr on Biotite and Chlorite. <i>Geomicrobiology Journal</i> , 2016, 33, 206-215.	1.0	16
2490	Immobilization of copper under an acid leach of colloidal pyrite waste rocks by a fixed-bed column. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	3
2491	Inorganic carbon dynamics and CO ₂ flux associated with coal-mine drainage sites in Blythedale PA and Lambert WV, USA. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	11
2492	Structureâ€“reactivity relationships between the fluorescent chromophores and antioxidant activity of grain and sweet sorghum seeds. <i>Food Science and Nutrition</i> , 2016, 4, 811-817.	1.5	4
2493	Overexpression of <i>MdbHLH104</i> gene enhances the tolerance to iron deficiency in apple. <i>Plant Biotechnology Journal</i> , 2016, 14, 1633-1645.	4.1	100
2494	Reduced Uranium Phases Produced from Anaerobic Reaction with Nanoscale Zerovalent Iron. <i>Environmental Science & Technology</i> , 2016, 50, 2595-2601.	4.6	43
2495	Arsenic(V) Incorporation in Vivianite during Microbial Reduction of Arsenic(V)-Bearing Biogenic Fe(III) (Oxyhydr)oxides. <i>Environmental Science & Technology</i> , 2016, 50, 2281-2291.	4.6	87
2496	Oxygen and dissolved organic carbon control release of N, P and Fe from the sediments of a shallow, polymictic lake. <i>Journal of Soils and Sediments</i> , 2016, 16, 1109-1120.	1.5	32
2497	Variable impact of rice (<i>Oryza sativa</i>) on soil metal reduction and availability of pore water Fe ²⁺ and Mn ²⁺ throughout the growth period. <i>Chemistry and Ecology</i> , 2016, 32, 182-200.	0.6	19
2498	From Suicide Enzyme to Catalyst: The Iron-Dependent Sulfide Transfer in <i>Methanococcus jannaschii</i> Thiamin Thiazole Biosynthesis. <i>Journal of the American Chemical Society</i> , 2016, 138, 3639-3642.	6.6	39
2499	Do mature hydrocarbons have an influence on acid rock drainage generation?. <i>Applied Geochemistry</i> , 2016, 67, 93-100.	1.4	3
2500	Interplay between microorganisms and geochemistry in geological carbon storage. <i>International Journal of Greenhouse Gas Control</i> , 2016, 47, 386-395.	2.3	9
2501	4-Azidobenzyl ferrocenylcarbamate as an anticancer prodrug activated under reductive conditions. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 218-224.	1.5	17
2502	Nitrite reduction by Fe(II) associated with kaolinite. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1329-1334.	1.8	13

#	ARTICLE	IF	CITATIONS
2503	Determination of the stable iron isotopic composition of sequentially leached iron phases in marine sediments. <i>Chemical Geology</i> , 2016, 421, 93-102.	1.4	58
2504	Coexistence of Microaerophilic, Nitrate-Reducing, and Phototrophic Fe(II) Oxidizers and Fe(III) Reducers in Coastal Marine Sediment. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1433-1447.	1.4	76
2505	Fe(II):Fe(III) Ratio and Redox Status of White Wines. <i>American Journal of Enology and Viticulture</i> , 2016, 67, 146-152.	0.9	44
2506	Control of Iron Oxide Nanoparticle Clustering Using Dual Solvent Exchange. <i>IEEE Magnetics Letters</i> , 2016, 7, 1-4.	0.6	10
2507	Structure and Function of a Bacterial Microcompartment Shell Protein Engineered to Bind a [4Fe-4S] Cluster. <i>Journal of the American Chemical Society</i> , 2016, 138, 5262-5270.	6.6	58
2508	Photosensitized H ₂ generation from α -ketoglutarate and β -ketoglutarate assemblies of a zinc-porphyrin/platinum nanoparticle/protein scaffold. <i>Dalton Transactions</i> , 2016, 45, 630-638.	1.6	9
2509	Reducing capacities and redox potentials of humic substances extracted from sewage sludge. <i>Chemosphere</i> , 2016, 144, 902-908.	4.2	52
2510	Effect of NaBH ₄ on properties of nanoscale zero-valent iron and its catalytic activity for reduction of p -nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 541-549.	10.8	229
2511	Laser spectroscopic characterization and quantification of uranium(VI) under fluorescence quenching by Fe(II). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 413-423.	0.7	6
2512	Spatial heterogeneity of benthic biogeochemistry in two contrasted marine environments (Arcachon) <i>Tellus</i> 117, 1-14. Tj ETQq1 1 0,784314 rgBT /Ove	0,9	11
2513	Reversible adsorption and flushing of arsenic in a shallow, Holocene aquifer of Bangladesh. <i>Applied Geochemistry</i> , 2017, 77, 142-157.	1.4	41
2514	Reductive Dissolution of Jarosite by <i>Acidiphilium cryptum</i> in Presence of Chelating Agents and Dissolved Iron. <i>Geomicrobiology Journal</i> , 2017, 34, 355-361.	1.0	7
2515	Coupled dynamics of iron and iron-bound organic carbon in forest soils during anaerobic reduction. <i>Chemical Geology</i> , 2017, 464, 118-126.	1.4	57
2516	Highly efficient degradation of organic pollutants using a microbially-synthesized nanocatalyst. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 155-161.	1.9	10
2517	<i>HFE</i> gene mutation and iron overload in Egyptian pediatric acute lymphoblastic leukemia survivors: a single-center study. <i>Hematology</i> , 2017, 22, 398-404.	0.7	5
2518	Fate of Adsorbed U(VI) during Sulfidization of Lepidocrocite and Hematite. <i>Environmental Science & Technology</i> , 2017, 51, 2140-2150.	4.6	25
2519	<i>In situ</i> incubation of iron-sulfur mineral reveals a diverse chemolithoautotrophic community and a new biogeochemical role for <i>Thiomicrospira</i> . <i>Environmental Microbiology</i> , 2017, 19, 1322-1337.	1.8	54
2520	Effect of nonreactive kaolinite on 4-chloronitrobenzene reduction by Fe(II) in goethite-kaolinite heterogeneous suspensions. <i>Environmental Science: Nano</i> , 2017, 4, 325-334.	2.2	13

#	ARTICLE	IF	CITATIONS
2521	Use of nitrogen isotopes and other geochemical tools to evaluate the source of ammonium in a confined glacial drift aquifer, Ottawa County, Michigan, USA. <i>Applied Geochemistry</i> , 2017, 78, 334-342.	1.4	29
2522	Decadal variations in groundwater quality: A legacy from nitrate leaching and denitrification by pyrite in a sandy aquifer. <i>Water Resources Research</i> , 2017, 53, 184-198.	1.7	38
2523	Assessing redox properties of standard humic substances. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1497-1504.	1.8	13
2524	Microbial activities in hydrocarbon-laden wastewaters: Impact on diesel fuel stability and the biocorrosion of carbon steel. <i>Journal of Biotechnology</i> , 2017, 256, 68-75.	1.9	11
2525	<i>Acidicapsa ferrireducens</i> sp. nov., <i>Acidicapsa acidiphila</i> sp. nov., and <i>Granulicella acidiphila</i> sp. nov.: novel acidobacteria isolated from metal-rich acidic waters. <i>Extremophiles</i> , 2017, 21, 459-469.	0.9	37
2526	<i>In situ</i> electrochemical enrichment and isolation of a magnetite-reducing bacterium from a high pH serpentinizing spring. <i>Environmental Microbiology</i> , 2017, 19, 2272-2285.	1.8	59
2527	The Reactivity and Reaction Pathway of Fenton Reactions Driven by Substituted 1,2-Dihydroxybenzenes. <i>Environmental Science & Technology</i> , 2017, 51, 3687-3693.	4.6	48
2528	Use of Bacteria To Stabilize Archaeological Iron. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	28
2529	Redox Transformations of Iron in the Presence of Exudate from the Cyanobacterium <i>Microcystis aeruginosa</i> under Conditions Typical of Natural Waters. <i>Environmental Science & Technology</i> , 2017, 51, 3287-3297.	4.6	15
2530	The reactivity of Fe(II) associated with goethite formed during short redox cycles toward Cr(VI) reduction under oxic conditions. <i>Chemical Geology</i> , 2017, 464, 101-109.	1.4	38
2531	Effect of cobalt doping on crystallinity, stability, magnetic and optical properties of magnetic iron oxide nano-particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 432, 198-207.	1.0	47
2532	Biotic arsenic release from spent adsorbents under anaerobic landfill conditions. <i>Applied Geochemistry</i> , 2017, 78, 321-333.	1.4	4
2533	Stability of dissolved and soluble Fe(II) in shelf sediment pore waters and release to an oxic water column. <i>Biogeochemistry</i> , 2017, 135, 49-67.	1.7	43
2534	Tracking the onset of Phanerozoic-style redox-sensitive trace metal enrichments: New results from basal Ediacaran post-glacial strata in NW Canada. <i>Chemical Geology</i> , 2017, 457, 24-37.	1.4	35
2535	Multifunctional Thin Films and Coatings from Caffeic Acid and a Cross-Linking Diamine. <i>Langmuir</i> , 2017, 33, 2096-2102.	1.6	41
2536	Iron Release from the Siderophore Pyoverdine in <i>Pseudomonas aeruginosa</i> Involves Three New Actors: FpvC, FpvG, and FpvH. <i>ACS Chemical Biology</i> , 2017, 12, 1056-1065.	1.6	74
2537	Redox behaviors of Fe(II/III) and U(IV/VI) studied in synthetic water and KURT groundwater by potentiometry and spectroscopy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 221-231.	0.7	7
2538	Fe(III)-promoted transformation of β -lactam antibiotics: Hydrolysis vs oxidation. <i>Journal of Hazardous Materials</i> , 2017, 335, 117-124.	6.5	51

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2539	A geochemical study of the Ediacaran discoidal fossil <i>Aspidella</i> preserved in limestones: Implications for its taphonomy and paleoecology. <i>Geobiology</i> , 2017, 15, 572-587.	1.1	27
2540	Revisiting Mn and Fe removal in humic rich estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 267-283.	1.6	51
2541	Iron Isotope Fractionation during Fe(II) Oxidation Mediated by the Oxygen-Producing Marine Cyanobacterium <i>Synechococcus</i> PCC 7002. <i>Environmental Science & Technology</i> , 2017, 51, 4897-4906.	4.6	34
2542	Potentially Active Iron, Sulfur, and Sulfate Reducing Bacteria in Skagerrak and Bothnian Bay Sediments. <i>Geomicrobiology Journal</i> , 2017, 34, 840-850.	1.0	28
2543	Spatial variation in bacterial community in natural wetlandâ€riverâ€sea ecosystems. <i>Journal of Basic Microbiology</i> , 2017, 57, 536-546.	1.8	33
2544	Physiological characterization of a halotolerant anoxygenic phototrophic Fe(II)-oxidizing green-sulfur bacterium isolated from a marine sediment. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	23
2545	Impact of <i>Microcystis aeruginosa</i> Exudate on the Formation and Reactivity of Iron Oxide Particles Following Fe(II) and Fe(III) Addition. <i>Environmental Science & Technology</i> , 2017, 51, 5500-5510.	4.6	8
2546	Iron chelators inhibit the heme-degradation reaction by HutZ from <i>Vibrio cholerae</i> . <i>Dalton Transactions</i> , 2017, 46, 5147-5150.	1.6	8
2547	Shifting microbial communities sustain multiyear iron reduction and methanogenesis in ferruginous sediment incubations. <i>Geobiology</i> , 2017, 15, 678-689.	1.1	24
2548	Dynamics of dissolved organic matter in riverine sediments affected by weir impoundments: Production, benthic flux, and environmental implications. <i>Water Research</i> , 2017, 121, 150-161.	5.3	75
2549	Biogeochemical controls on mercury methylation in the Allequash Creek wetland. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15325-15339.	2.7	6
2550	Geochemical signatures and processes in a stream contaminated by heavy mineral processing near Ipoh city, Malaysia. <i>Applied Geochemistry</i> , 2017, 82, 89-101.	1.4	15
2551	Microbial acceleration of aerobic pyrite oxidation at circumneutral pH. <i>Geobiology</i> , 2017, 15, 690-703.	1.1	53
2552	Octahedral iron(II) complexes with pyridyl triazine and bipyridine ligands â€“ synthesis, computational studies, mechanisms and kinetics with 1,10-phenanthroline and 2,2â€²,6,2â€²â€³-terpyridine. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1893-1909.	0.8	4
2553	Iron Uptake Oxidoreductase (IruO) Uses a Flavin Adenine Dinucleotide Semiquinone Intermediate for Iron-Siderophore Reduction. <i>ACS Chemical Biology</i> , 2017, 12, 1778-1786.	1.6	20
2554	Nutrient sequestration in Aquitaine lakes (SW France) limits nutrient flux to the coastal zone. <i>Journal of Sea Research</i> , 2017, 130, 24-35.	0.6	14
2555	Phosphorus Sequestration in Sediments Along the Salinity Gradients of Chesapeake Bay Subestuaries. <i>Estuaries and Coasts</i> , 2017, 40, 1607-1625.	1.0	17
2556	Insights into Nitrate-Reducing Fe(II) Oxidation Mechanisms through Analysis of Cell-Mineral Associations, Cell Encrustation, and Mineralogy in the Chemolithoautotrophic Enrichment Culture KS. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	64

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2557	Controls on iron mobilisation from volcanic ash at low pH: Insights from dissolution experiments and Mössbauer spectroscopy. <i>Chemical Geology</i> , 2017, 449, 73-81.	1.4	22
2558	Solid-Phase Fe Speciation along the Vertical Redox Gradients in Floodplains using XAS and Mössbauer Spectroscopies. <i>Environmental Science & Technology</i> , 2017, 51, 7903-7912.	4.6	58
2559	Mechanisms of Mn(II) catalytic oxidation on ferrihydrite surfaces and the formation of manganese (oxyhydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 79-96.	1.6	100
2560	Human calprotectin affects the redox speciation of iron. <i>Metallomics</i> , 2017, 9, 1086-1095.	1.0	23
2561	Microbial manganese(III) reduction fuelled by anaerobic acetate oxidation. <i>Environmental Microbiology</i> , 2017, 19, 3475-3486.	1.8	17
2562	Enhanced removal of <i>Microcystis aeruginosa</i> in BDD-CF electrochemical system by simple addition of Fe ²⁺ . <i>Chemical Engineering Journal</i> , 2017, 325, 360-368.	6.6	31
2563	Abiotic versus biotic iron mineral transformation studied by a miniaturized backscattering Mössbauer spectrometer (MIMOS II), X-ray diffraction and Raman spectroscopy. <i>Icarus</i> , 2017, 296, 49-58.	1.1	19
2564	Ecology, adaptation, and function of methane-sulfidic spring water biofilm microorganisms, including a strain of anaerobic fungus <i>Mucor hiemalis</i> . <i>MicrobiologyOpen</i> , 2017, 6, e00483.	1.2	6
2565	Fe isotope fractionation during Fe(II) oxidation by the marine photoferrotroph <i>Rhodovulum iodolum</i> in the presence of Si: Implications for Precambrian iron formation deposition. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 307-321.	1.6	19
2566	Engineering a Native Inducible Expression System in <i>Shewanella oneidensis</i> to Control Extracellular Electron Transfer. <i>ACS Synthetic Biology</i> , 2017, 6, 1627-1634.	1.9	47
2567	HULIS Enhancement of Hydroxyl Radical Formation from Fe(II): Kinetics of Fulvic Acid-Fe(II) Complexes in the Presence of Lung Antioxidants. <i>Environmental Science & Technology</i> , 2017, 51, 7676-7685.	4.6	80
2568	Iron and Pyritization in Wetland Soils of the Florida Coastal Everglades. <i>Estuaries and Coasts</i> , 2017, 40, 822-831.	1.0	9
2569	Remediation of groundwater contaminated with arsenic through enhanced natural attenuation: Batch and column studies. <i>Water Research</i> , 2017, 122, 545-556.	5.3	20
2570	Reductive dechlorination of carbon tetrachloride by bioreduction of nontronite. <i>Journal of Hazardous Materials</i> , 2017, 334, 104-111.	6.5	13
2571	The fate of nitrogen is linked to iron(II) availability in a freshwater lake sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 205, 84-99.	1.6	71
2572	Labile iron potentiates ascorbate-dependent reduction and mobilization of ferritin iron. <i>Free Radical Biology and Medicine</i> , 2017, 108, 94-109.	1.3	18
2573	<i>Vibrio cholerae</i> VciB Mediates Iron Reduction. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	13
2574	The influence of O ₂ availability and Fe(III) mineralogy on Fe metabolism by an acidophilic bacterial culture. <i>Chemical Geology</i> , 2017, 457, 107-117.	1.4	5

#	ARTICLE	IF	CITATIONS
2575	Nitrate Stimulates Anaerobic Microbial Arsenite Oxidation in Paddy Soils. <i>Environmental Science & Technology</i> , 2017, 51, 4377-4386.	4.6	95
2576	Unraveling signatures of biogeochemical processes and the depositional setting in the molecular composition of pore water DOM across different marine environments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 57-80.	1.6	103
2577	Investigation of Stability and Magnetic Properties of Ni- and Co-Doped Iron Oxide Nano-particles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 2291-2301.	0.8	12
2578	Substitution Kinetics of [Fe(PDT/PPDT) _n (phen) _m] ²⁺ (n+m=1,2) with 2,2'-Bipyridine, 1,10-Phenanthroline, and 2,2',6,6'-Terpyridine. <i>International Journal of Chemical Kinetics</i> , 2017, 49, 182-196.	1.0	6
2579	Coupled Hydro-Biogeochemical Processes Controlling Cr Reductive Immobilization in Columbia River Hyporheic Zone. <i>Environmental Science & Technology</i> , 2017, 51, 1508-1517.	4.6	44
2580	Contrasting particle size distributions and Fe isotope fractionations during nanosecond and femtosecond laser ablation of Fe minerals: Implications for LA-MC-ICP-MS analysis of stable isotopes. <i>Chemical Geology</i> , 2017, 450, 235-247.	1.4	21
2581	Determination of Fe(III) using digital images: study of corrosion in steel plates using a polyester laser printed device. <i>Analytical Methods</i> , 2017, 9, 655-663.	1.3	9
2582	Hematite Reduction Buffers Acid Generation and Enhances Nutrient Uptake by a Fermentative Iron Reducing Bacterium, <i>Orenia metallireducens</i> Strain Z6. <i>Environmental Science & Technology</i> , 2017, 51, 232-242.	4.6	33
2583	Photometric flow analysis system for biomedical investigations of iron/transferrin speciation in human serum. <i>Analytica Chimica Acta</i> , 2017, 995, 43-51.	2.6	15
2584	Anoxic development of sapropel S1 in the Nile Fan inferred from redox sensitive proxies, Fe speciation, Fe and Mo isotopes. <i>Chemical Geology</i> , 2017, 475, 24-39.	1.4	24
2585	Iron-Coupled Anaerobic Oxidation of Methane Performed by a Mixed Bacterial-Archaeal Community Based on Poorly Reactive Minerals. <i>Environmental Science & Technology</i> , 2017, 51, 12293-12301.	4.6	100
2586	Negligible contribution of reservoir dams to organic and inorganic transport in the lower Mimi River, Japan. <i>Journal of Hydrology</i> , 2017, 555, 288-297.	2.3	8
2587	In Vitro Studies of Cellular Iron-Sulfur Cluster Biosynthesis, Trafficking, and Transport. <i>Methods in Enzymology</i> , 2017, 595, 55-82.	0.4	4
2588	A reliable protocol for colorimetric determination of iron oxide nanoparticle uptake by cells. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6663-6675.	1.9	14
2589	Redox transformation and reductive immobilization of Cr(VI) in the Columbia River hyporheic zone sediments. <i>Journal of Hydrology</i> , 2017, 555, 278-287.	2.3	18
2590	Base hydrolysis of tris(3-(2-pyridyl)-5,6-bis(4-phenyl sulphonic acid)-1,2,4-triazine)iron(II) in aqueous, SDS and CTAB media: kinetic and mechanistic study. <i>Transition Metal Chemistry</i> , 2017, 42, 719-725.	0.7	3
2591	Microbial diversity and iron oxidation at Okuoku-hachikurou Onsen, a Japanese hot spring analog of Precambrian iron formations. <i>Geobiology</i> , 2017, 15, 817-835.	1.1	33
2592	New Features and Uncovered Benefits of Polycrystalline Magnetite as Reusable Catalyst in Reductive Chemical Conversion. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25195-25205.	1.5	15

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2593	Arsenic Methylation Dynamics in a Rice Paddy Soil Anaerobic Enrichment Culture. <i>Environmental Science & Technology</i> , 2017, 51, 10546-10554.	4.6	61
2594	Oncoidal granular iron formation in the Mesoarchaeon Pongola Supergroup, southern Africa: Textural and geochemical evidence for biological activity during iron deposition. <i>Geobiology</i> , 2017, 15, 731-749.	1.1	25
2595	Comparing in situ colorimetric DET and DGT techniques with ex situ core slicing and centrifugation for measuring ferrous iron and dissolved sulfide in coastal sediment pore waters. <i>Chemosphere</i> , 2017, 188, 119-129.	4.2	20
2596	Monitoring Microbial Mineralization Using Reverse Stable Isotope Labeling Analysis by Mid-Infrared Laser Spectroscopy. <i>Environmental Science & Technology</i> , 2017, 51, 11876-11883.	4.6	16
2597	Investigation of pore water residence times and drainage velocities in salt marshes using short-lived radium isotopes. <i>Marine Chemistry</i> , 2017, 196, 107-115.	0.9	8
2598	The influence of increased iron concentration on survival and growth of seedlings and young plants of eelgrass <i>Zostera marina</i> . <i>Marine Ecology</i> , 2017, 38, e12425.	0.4	6
2599	Early diagenesis in the sediments of the Congo deep-sea fan dominated by massive terrigenous deposits: Part II – Iron–sulfur coupling. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 142, 151-166.	0.6	17
2600	Subarctic wintertime dissolved iron speciation driven by thermal constraints on Fe(II) oxidation, dissolved organic matter and stream reach. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 33-50.	1.6	3
2601	In situ estimates of iron-oxidation and accretion rates for iron-oxidizing bacterial mats at LÅ™ihi Seamount. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 126, 31-39.	0.6	16
2602	Optimized high-throughput methods for quantifying iron biogeochemical dynamics in soil. <i>Geoderma</i> , 2017, 306, 67-72.	2.3	26
2603	Development of a Mitochondriotropic Antioxidant Based on Caffeic Acid: Proof of Concept on Cellular and Mitochondrial Oxidative Stress Models. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7084-7098.	2.9	47
2604	Optoelectronic iron detectors for pharmaceutical flow analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 504-508.	1.4	8
2605	Characterisation of a stable laboratory co-culture of acidophilic nanoorganisms. <i>Scientific Reports</i> , 2017, 7, 3289.	1.6	57
2606	Development of hydroxybenzoic-based platforms as a solution to deliver dietary antioxidants to mitochondria. <i>Scientific Reports</i> , 2017, 7, 6842.	1.6	30
2607	In situ, high-resolution DGT measurements of dissolved sulfide, iron and phosphorus in sediments of the East China Sea: Insights into phosphorus mobilization and microbial iron reduction. <i>Marine Pollution Bulletin</i> , 2017, 124, 400-410.	2.3	47
2608	Kinetics and Products of Chromium(VI) Reduction by Iron(II/III)-Bearing Clay Minerals. <i>Environmental Science & Technology</i> , 2017, 51, 9817-9825.	4.6	90
2609	A novel approach for rapidly and cost-effectively assessing toxicity of toxic metals in acidic water using an acidophilic iron-oxidizing biosensor. <i>Chemosphere</i> , 2017, 186, 446-452.	4.2	13
2610	How Rice (<i>Oryza sativa</i> L.) Responds to Elevated As under Different Si-Rich Soil Amendments. <i>Environmental Science & Technology</i> , 2017, 51, 10335-10343.	4.6	51

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2611	Evolution of copper arsenate resistance for enhanced enargite bioleaching using the extreme thermoacidophile <i>Metallosphaera sedula</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1613-1625.	1.4	25
2612	Degradation of 17 β -ethinylestradiol by nano zero valent iron under different pH and dissolved oxygen levels. <i>Water Research</i> , 2017, 125, 32-41.	5.3	45
2613	Bioreactors for low-pH iron(II) oxidation remove considerable amounts of total iron. <i>RSC Advances</i> , 2017, 7, 35962-35972.	1.7	25
2614	Development of an iron quantification method using nuclear magnetic resonance relaxometry. <i>AIP Advances</i> , 2017, 7, 056728.	0.6	6
2615	Interactions between magnetite and humic substances: redox reactions and dissolution processes. <i>Geochemical Transactions</i> , 2017, 18, 6.	1.8	27
2616	Probing the biotransformation of hematite nanoparticles and magnetite formation mediated by <i>Shewanella oneidensis</i> MR-1 at the molecular scale. <i>Environmental Science: Nano</i> , 2017, 4, 2395-2404.	2.2	22
2617	Potential effect of atmospheric dissolved organic carbon on the iron solubility in seawater. <i>Marine Chemistry</i> , 2017, 194, 124-132.	0.9	17
2618	Light-Mediated Reactive Oxygen Species Generation and Iron Redox Transformations in the Presence of Exudate from the Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Environmental Science & Technology</i> , 2017, 51, 8384-8395.	4.6	19
2619	Iron-mediated soil carbon response to water-table decline in an alpine wetland. <i>Nature Communications</i> , 2017, 8, 15972.	5.8	147
2620	Tc(VII) and Cr(VI) Interaction with Naturally Reduced Ferruginous Smectite from a Redox Transition Zone. <i>Environmental Science & Technology</i> , 2017, 51, 9042-9052.	4.6	38
2621	Effects of flooding on phosphorus and iron mobilization in highly weathered soils under different land-use types: Short-term effects and mechanisms. <i>Catena</i> , 2017, 158, 161-170.	2.2	96
2622	Sulfate Reduction and Sulfur Cycles at Two Seagrass Beds Inhabited by Cold Affinity <i>Zostera marina</i> and Warm Affinity <i>Halophila nipponica</i> in Temperate Coastal Waters. <i>Estuaries and Coasts</i> , 2017, 40, 1346-1357.	1.0	7
2623	Characterization of iron diagenesis in marine sediments using refined iron speciation and quantized iron(III)-oxide reactivity: a case study in the Jiaozhou Bay, China. <i>Acta Oceanologica Sinica</i> , 2017, 36, 48-55.	0.4	2
2624	Dynamics of ferrihydrite-bound organic carbon during microbial Fe reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 212, 221-233.	1.6	107
2625	Ultra-efficient removal of chromium from aqueous medium by biogenic iron based nanoparticles. <i>Separation and Purification Technology</i> , 2017, 174, 466-473.	3.9	58
2626	Uranium extraction from a low-grade, stockpiled, non-sulfidic ore: Impact of added iron and the native microbial consortia. <i>Hydrometallurgy</i> , 2017, 167, 81-91.	1.8	12
2627	Influence of indigenous bacteria stimulation on arsenic immobilization in field study. <i>Catena</i> , 2017, 148, 46-51.	2.2	13
2628	Accessible reactive surface area and abiotic redox reactivity of iron oxyhydroxides in acidic brines. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 345-355.	1.6	11

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2630	Genesis of clay lamellae in golf course soils of Mississippi, USA. <i>Catena</i> , 2017, 150, 62-70.	2.2	9
2631	A dual nitrite isotopic investigation of chemodenitrification by mineral-associated Fe(II) and its production of nitrous oxide. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 388-402.	1.6	84
2632	Cu Removal from Acid Mine Drainage by Modified Pyrite: Batch and Column Experiments. <i>Mine Water and the Environment</i> , 2017, 36, 371-378.	0.9	8
2633	Superparamagnetic nanoparticle-enhanced MRI of Alzheimer's disease plaques and activated microglia in 3X transgenic mouse brains: Contrast optimization. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 574-588.	1.9	21
2634	Oxidation of microcystin-LR by the Fenton process: Kinetics, degradation intermediates, water quality and toxicity assessment. <i>Chemical Engineering Journal</i> , 2017, 309, 339-348.	6.6	49
2635	Reductive bioprocessing of cobalt-bearing limonitic laterites. <i>Minerals Engineering</i> , 2017, 106, 86-90.	1.8	31
2636	Anaerobic bioleaching of jarosites by <i>Shewanella putrefaciens</i> , influence of chelators and biofilm formation. <i>Hydrometallurgy</i> , 2017, 168, 56-63.	1.8	21
2637	A quasistatic frictional contact problem with normal compliance and unilateral constraint. <i>Mathematics and Mechanics of Solids</i> , 2017, 22, 2135-2155.	1.5	0
2638	Role of sulfur redox cycling on arsenic mobilization in aquifers of Datong Basin, northern China. <i>Applied Geochemistry</i> , 2017, 77, 31-43.	1.4	44
2639	New approaches for extracting and recovering metals from mine tailings. <i>Minerals Engineering</i> , 2017, 106, 71-78.	1.8	206
2640	Anoxic nitrate reduction coupled with iron oxidation and attenuation of dissolved arsenic and phosphate in a sand and gravel aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 102-120.	1.6	74
2641	Indirect oxidative bioleaching of a polymetallic black schist sulfide ore. <i>Minerals Engineering</i> , 2017, 106, 102-107.	1.8	26
2642	Metabolism in anoxic permeable sediments is dominated by eukaryotic dark fermentation. <i>Nature Geoscience</i> , 2017, 10, 30-35.	5.4	31
2643	Biodegradation and mineralization of isotopically labeled TNT and RDX in anaerobic marine sediments. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1170-1180.	2.2	15
2644	Effect of ferrous ion concentration on the kinetics of radiation-induced iron-oxide nanoparticle formation and growth. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 695-708.	1.3	25
2645	Grafted semiconductors on PE-films leading to bacterial inactivation: Synthesis, characterization and mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 231-237.	2.3	7
2646	Degradation of the recalcitrant oil spill components anthracene and pyrene by a microbially driven Fenton reaction. <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	16
2647	Reductive Dissolution of a Lateritic Ore Containing Rare Earth Elements (REE) Using <i>Acidithiobacillus</i> Species. <i>Solid State Phenomena</i> , 0, 262, 299-302.	0.3	3

#	ARTICLE	IF	CITATIONS
2648	Solid-Phase Extraction Spectrophotometric Determination of Total Antioxidant Capacity in Antioxidant-poor Samples by Using the Ferric-Ferrozine Method. <i>Analytical Sciences</i> , 2017, 33, 683-689.	0.8	0
2649	Chemical tools for detecting Fe ions. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2017, 60, 39-48.	0.6	113
2650	Impact of Bioreduction on Remobilization of Adsorbed Cadmium on Iron Minerals in Anoxic Condition. <i>Water Environment Research</i> , 2017, 89, 519-526.	1.3	3
2651	Column Bioleaching of a Saline, Calcareous Copper Sulfide Ore. <i>Solid State Phenomena</i> , 2017, 262, 7-11.	0.3	3
2652	Manganese and iron reduction dominate organic carbon oxidation in surface sediments of the deep Ulleung Basin, East Sea. <i>Biogeosciences</i> , 2017, 14, 941-958.	1.3	49
2653	Carbon degradation in agricultural soils flooded with seawater after managed coastal realignment. <i>Biogeosciences</i> , 2017, 14, 4375-4389.	1.3	14
2654	Viable cold-tolerant iron-reducing microorganisms in geographically diverse subglacial environments. <i>Biogeosciences</i> , 2017, 14, 1445-1455.	1.3	34
2655	Influence of Controlled Drainage and Liquid Dairy Manure Application on Phosphorus Leaching from Intact Soil Cores. <i>Journal of Environmental Quality</i> , 2017, 46, 80-87.	1.0	9
2656	Physicochemical and Sensory Characteristics of Spreadable Liver Pâtés with Annatto Extract (Bixa) Tj ETQq0 0 Q r g BT / Overlock 10 T	1.9	9
2657	Effect of Elderberry (<i>Sambucus nigra</i> L.) Extract Supplementation in STZ-Induced Diabetic Rats Fed with a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2017, 18, 13.	1.8	34
2658	A Comparison between Four Analytical Methods for the Measurement of Fe(II) at Nanomolar Concentrations in Coastal Seawater. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	16
2659	Evaluation of a Ferrozine Based Autonomous in Situ Lab-on-Chip Analyzer for Dissolved Iron Species in Coastal Waters. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	21
2660	The Disruption of an OxyR-Like Protein Impairs Intracellular Magnetite Biomineralization in <i>Magnetospirillum gryphiswaldense</i> MSR-1. <i>Frontiers in Microbiology</i> , 2017, 08, 208.	1.5	8
2661	Indirect Redox Transformations of Iron, Copper, and Chromium Catalyzed by Extremely Acidophilic Bacteria. <i>Frontiers in Microbiology</i> , 2017, 8, 211.	1.5	39
2662	Impact of Aeolian Dry Deposition of Reactive Iron Minerals on Sulfur Cycling in Sediments of the Gulf of Aqaba. <i>Frontiers in Microbiology</i> , 2017, 8, 1131.	1.5	28
2663	Novel Pelagic Iron-Oxidizing Zetaproteobacteria from the Chesapeake Bay Oxic-Anoxic Transition Zone. <i>Frontiers in Microbiology</i> , 2017, 8, 1280.	1.5	72
2664	Drivers of sulfide intrusion in <i>Zostera muelleri</i> in a moderately affected estuary in south-eastern Australia. <i>Marine and Freshwater Research</i> , 2017, 68, 2134.	0.7	8
2665	Toxicity-based toxicokinetic/toxicodynamic assessment of bioaccumulation and nanotoxicity of zerovalent iron nanoparticles in <i>Caenorhabditis elegans</i> . <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4607-4621.	3.3	28

#	ARTICLE	IF	CITATIONS
2666	Large scale expression and purification of secreted mouse hephaestin. PLoS ONE, 2017, 12, e0184366.	1.1	9
2667	Abiotic nitrate loss and nitrogenous trace gas emission from Chinese acidic forest soils. Environmental Science and Pollution Research, 2017, 24, 22679-22687.	2.7	11
2668	Removal of chromium(VI) from aqueous solutions by electrochemical reductionâ€“precipitation. International Journal of Electrochemical Science, 2017, 12, 11387-11396.	0.5	11
2669	Sediment phosphorus speciation and mobility under dynamic redox conditions. Biogeosciences, 2017, 14, 3585-3602.	1.3	74
2670	Electrochemical removal and recovery of iron from groundwater using non-corrosive electrodes. Journal of Environmental Management, 2018, 211, 36-41.	3.8	7
2671	Transient biogeochemistry in intertidal sediments: New insights from tidal pools in Zostera noltei meadows of Arcachon Bay (France). Marine Chemistry, 2018, 200, 1-13.	0.9	9
2672	Enhanced Arylamine <i>N</i> -Oxygenase Activity of Polymerâ€“Enzyme Assemblies by Facilitating Electron-Transferring Efficiency. Biomacromolecules, 2018, 19, 918-925.	2.6	6
2673	Common Hydraulic Fracturing Fluid Additives Alter the Structure and Function of Anaerobic Microbial Communities. Applied and Environmental Microbiology, 2018, 84, .	1.4	15
2674	Biogeochemistry of U, Ni, and As in two meromictic pit lakes at the Cluff Lake uranium mine, northern Saskatchewan. Canadian Journal of Earth Sciences, 2018, 55, 463-474.	0.6	10
2675	Speciation determination of iron and its spatial and seasonal distribution in coastal river. Scientific Reports, 2018, 8, 2576.	1.6	10
2676	Isoprenoid Quinones Resolve the Stratification of Redox Processes in a Biogeochemical Continuum from the Photic Zone to Deep Anoxic Sediments of the Black Sea. Applied and Environmental Microbiology, 2018, 84, .	1.4	19
2677	Effect of CTAB and SDS on base hydrolysis of iron(II)-sulphonated and unsulphonated phenyl-1,2,4-triazine complexes - A kinetic and mechanistic study. Journal of Molecular Liquids, 2018, 258, 57-65.	2.3	5
2678	Phosphorus removal by in situ generated Fe(II): Efficacy, kinetics and mechanism. Water Research, 2018, 136, 120-130.	5.3	64
2679	Enhanced Fe(III)-mediated Fenton oxidation of atrazine in the presence of functionalized multi-walled carbon nanotubes. Water Research, 2018, 137, 37-46.	5.3	231
2680	Oxidation of Fe(II)-Organic Matter Complexes in the Presence of the Mixotrophic Nitrate-Reducing Fe(II)-Oxidizing Bacterium <i>Acidovorax</i> sp. BoFeN1. Environmental Science & Technology, 2018, 52, 5753-5763.	4.6	45
2681	Dual Role of Humic Substances As Electron Donor and Shuttle for Dissimilatory Iron Reduction. Environmental Science & Technology, 2018, 52, 5691-5699.	4.6	116
2682	Oxidative Weathering Decreases Bioaccessibility of Toxic Metal(loid)s in PM ₁₀ Emissions From Sulfide Mine Tailings. GeoHealth, 2018, 2, 118-138.	1.9	19
2683	U(VI) Reduction by Biogenic and Abiotic Hydroxycarbonate Green Rusts: Impacts on U(IV) Speciation and Stability Over Time. Environmental Science & Technology, 2018, 52, 4601-4609.	4.6	19

#	ARTICLE	IF	CITATIONS
2684	Porewater inputs drive Fe redox cycling in the water column of a temperate mangrove wetland. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 207, 259-268.	0.9	8
2685	Insignificant impact of freezing and compaction on iron solubility in natural snow. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 247-270.	1.4	0
2686	Measuring total dissolved Fe concentrations in phytoplankton cultures in the presence of synthetic and organic ligands using a modified ferrozine method. <i>Marine Chemistry</i> , 2018, 203, 22-27.	0.9	2
2687	Degradation of organic dyes by a new heterogeneous Fenton reagent - Fe ₂ GeS ₄ nanoparticle. <i>Journal of Hazardous Materials</i> , 2018, 353, 182-189.	6.5	136
2688	Simultaneous removal of nitrate and phosphate from wastewater by siderite based autotrophic denitrification. <i>Chemosphere</i> , 2018, 199, 130-137.	4.2	43
2689	Insights into the Fundamental Physiology of the Uncultured Fe-Oxidizing Bacterium <i>Leptothrix ochracea</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	19
2690	Dissociation between Iron and Heme Biosyntheses Is Largely Accountable for Respiration Defects of <i>Shewanella oneidensis</i> fur Mutants. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	18
2691	Arsenic in Holocene aquifers of the Red River floodplain, Vietnam: Effects of sediment-water interactions, sediment burial age and groundwater residence time. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 225, 192-209.	1.6	53
2692	Salt Stress-Induced Loss of Iron Oxidoreduction Activities and Reacquisition of That Phenotype Depend on <i>rus</i> Operon Transcription in <i>Acidithiobacillus ferridurans</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	11
2693	Effects of dissolved organic matter leaching from macrophyte litter on black water events in shallow lakes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9928-9939.	2.7	42
2694	Bioimaging and Biosensing of Ferrous Ion in Neurons and HepG2 Cells upon Oxidative Stress. <i>Analytical Chemistry</i> , 2018, 90, 2816-2825.	3.2	39
2695	Impact of natural organic matter coatings on the microbial reduction of iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 223-248.	1.6	54
2696	Microbial Characterization of Methanogenic and Iron-reducing Consortium in Reactors with Polychlorinated Biphenyls. <i>Current Microbiology</i> , 2018, 75, 666-676.	1.0	8
2697	Anoxic microsites in upland soils dominantly controlled by clay content. <i>Soil Biology and Biochemistry</i> , 2018, 118, 42-50.	4.2	109
2698	Visualization of Arc promoter-driven neuronal activity by magnetic resonance imaging. <i>Neuroscience Letters</i> , 2018, 666, 92-97.	1.0	6
2699	Changes in water quality following opening and closure of a bar-built estuary (Pescadero,) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	0.9	0
2700	Wetlands receiving water treated with coagulants improve water quality by removing dissolved organic carbon and disinfection byproduct precursors. <i>Science of the Total Environment</i> , 2018, 622-623, 603-613.	3.9	20
2701	Sediment accretion and carbon storage in constructed wetlands receiving water treated with metal-based coagulants. <i>Ecological Engineering</i> , 2018, 111, 176-185.	1.6	19

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2702	Photodegradation of taste and odor compounds in water in the presence of immobilized TiO ₂ -SiO ₂ photocatalysts. <i>Journal of Hazardous Materials</i> , 2018, 346, 208-217.	6.5	66
2703	Growth of <i>Leptospirillum ferriphilum</i> in sulfur medium in co-culture with <i>Acidithiobacillus caldus</i> . <i>Extremophiles</i> , 2018, 22, 327-333.	0.9	20
2704	Silicon-rich amendments in rice paddies: Effects on arsenic uptake and biogeochemistry. <i>Science of the Total Environment</i> , 2018, 624, 1360-1368.	3.9	89
2705	Kinetics of Decomposition of Thiocyanate in Natural Aquatic Systems. <i>Environmental Science & Technology</i> , 2018, 52, 1234-1243.	4.6	16
2706	The role of iron and reactive oxygen species in the production of CO ₂ in arctic soil waters. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 80-95.	1.6	89
2707	Diffusive Gradients in Thin Films Reveals Differences in Antimony and Arsenic Mobility in a Contaminated Wetland Sediment during an Oxic-Anoxic Transition. <i>Environmental Science & Technology</i> , 2018, 52, 1118-1127.	4.6	84
2708	Effects of initial sediment properties on start-up times for sediment microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10082-10093.	3.8	45
2709	Seasonal differences in trace element concentrations and distribution in <i>Spartina alterniflora</i> root tissue. <i>Chemosphere</i> , 2018, 204, 359-370.	4.2	8
2710	Volcano-hydrothermal system and activity of Sirung volcano (Pantar Island, Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 186-199.	0.8	4
2711	How sequential reduction of terminal electron acceptors modulates nitrification and dynamics of nitrifying bacteria and archaea in a tropical vertisol. <i>Journal of Agricultural Science</i> , 2018, 156, 215-224.	0.6	1
2712	Stable Isotope Probing for Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	46
2713	A Generalized-Rate Model for Describing and Scaling Redox Kinetics in Sediments Containing Variable Redox-Reactive Materials. <i>Environmental Science & Technology</i> , 2018, 52, 5268-5276.	4.6	3
2714	Functional Performance of Three Invasive <i>Marenzelleria</i> Species Under Contrasting Ecological Conditions Within the Baltic Sea. <i>Estuaries and Coasts</i> , 2018, 41, 1766-1781.	1.0	12
2715	Sulfur Redox Cycling Dependent Abiotic Ferrihydrite Reduction by a <i>Desulfitobacterium hafniense</i> . <i>ACS Earth and Space Chemistry</i> , 2018, 2, 496-505.	1.2	11
2716	Iron Supply Capacity of Porous Concrete Using Steelmaking Slag Aggregate for Seaweed Beds or Fish Reef Blocks. <i>Journal of Sustainable Metallurgy</i> , 2018, 4, 333-342.	1.1	1
2717	Terephthalate Probe for Hydroxyl Radicals: Yield of 2-Hydroxyterephthalic Acid and Transition Metal Interference. <i>Analytical Letters</i> , 2018, 51, 2488-2497.	1.0	59
2718	Use of a Tyrosine Analogue To Modulate the Two Activities of a Nonheme Iron Enzyme OvoA in Ovothiol Biosynthesis, Cysteine Oxidation versus Oxidative C-S Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 4604-4612.	6.6	42
2719	Impact of <i>Shewanella oneidensis</i> on heavy metals remobilization under reductive conditions in soil of Guilan Province, Iran. <i>Geosciences Journal</i> , 2018, 22, 423-432.	0.6	11

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2720	Optimising the transport properties and reactivity of microbially-synthesised magnetite for in situ remediation. <i>Scientific Reports</i> , 2018, 8, 4246.	1.6	8
2721	Effects of Extreme Events on Arsenic Cycling in Salt Marshes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1086-1100.	1.3	10
2722	Characterization of benthic biogeochemistry and ecology at three methane seep sites on the Northern U.S. Atlantic margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 150, 41-56.	0.6	17
2723	Oxic Fe(III) reduction could have generated Fe(II) in the photic zone of Precambrian seawater. <i>Scientific Reports</i> , 2018, 8, 4238.	1.6	11
2724	Evidence of arsenic mobilization mediated by an indigenous iron reducing bacterium from high arsenic groundwater aquifer in Hetao Basin of Inner Mongolia, China. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 22-27.	1.9	22
2725	A Revised Iron Extraction Protocol for Environmental Samples Rich in Nitrite and Carbonate. <i>Geomicrobiology Journal</i> , 2018, 35, 23-30.	1.0	29
2726	Bioenergetic Constraints on Microbial Hydrogen Utilization in Precambrian Deep Crustal Fracture Fluids. <i>Geomicrobiology Journal</i> , 2018, 35, 108-119.	1.0	14
2727	Electron shuttle-mediated microbial Fe(III) reduction under alkaline conditions. <i>Journal of Soils and Sediments</i> , 2018, 18, 159-168.	1.5	35
2728	Redox properties of humic substances under different environmental conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25734-25743.	2.7	11
2729	A comparison of photometric methods for serum iron determination under flow analysis conditions. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 307-313.	4.0	10
2730	Oxygen isotope fractionation in the siderite-water system between 8.5 and 62°C. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 535-551.	1.6	17
2731	Dissolved fulvic acids from a high arsenic aquifer shuttle electrons to enhance microbial iron reduction. <i>Science of the Total Environment</i> , 2018, 615, 1390-1395.	3.9	70
2732	Iron geochemistry and organic carbon preservation by iron (oxyhydr)oxides in surface sediments of the East China Sea and the south Yellow Sea. <i>Journal of Marine Systems</i> , 2018, 178, 62-74.	0.9	39
2733	Iron speciation in peats: Chemical and spectroscopic evidence for the co-occurrence of ferric and ferrous iron in organic complexes and mineral precipitates. <i>Organic Geochemistry</i> , 2018, 115, 124-137.	0.9	79
2734	Sulfate-reducing bacteria influence the nucleation and growth of mackinawite and greigite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 367-384.	1.6	104
2735	Geochemical and iron isotopic insights into hydrothermal iron oxyhydroxide deposit formation at Loihi Seamount. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 449-482.	1.6	51
2736	Effect of extracellular electron shuttles on arsenic-mobilizing activities in soil microbial communities. <i>Journal of Hazardous Materials</i> , 2018, 342, 571-578.	6.5	56
2737	Fe(III) Reducing Microorganisms from Iron Ore Caves Demonstrate Fermentative Fe(III) Reduction and Promote Cave Formation. <i>Geomicrobiology Journal</i> , 2018, 35, 311-322.	1.0	36

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2738	Biogeochemical controls on the speciation and aquatic toxicity of vanadium and other metals in sediments from a river reservoir. <i>Science of the Total Environment</i> , 2018, 612, 313-320.	3.9	36
2739	Interplay between flow and bioturbation enhances metal efflux from low-permeability sediments. <i>Journal of Hazardous Materials</i> , 2018, 341, 304-312.	6.5	22
2740	Denitrification of metallurgic wastewater: mechanisms of inhibition by Fe, Cr and Ni. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 440-449.	1.6	32
2741	Microbial Reduction of Fe(III) and SO ₄ ²⁻ and Associated Microbial Communities in the Alluvial Aquifer Groundwater and Sediments. <i>Microbial Ecology</i> , 2018, 76, 182-191.	1.4	5
2742	Bacterial cyclic Î²-(1,2)-glucans sequester iron to protect against iron-induced toxicity. <i>EMBO Reports</i> , 2018, 19, 172-186.	2.0	33
2743	The contribution of <i>Acidiphilium cryptum</i> to the dissolution of low-grade manganese ores. <i>Hydrometallurgy</i> , 2018, 175, 312-318.	1.8	9
2744	Comparison of the Response of Bacterial IscU and SufU to Zn ²⁺ and Select Transition-Metal Ions. <i>ACS Chemical Biology</i> , 2018, 13, 591-599.	1.6	8
2745	Trojan Horse for Light-Triggered Bifurcated Production of Singlet Oxygen and Fenton-Reactive Iron within Cancer Cells. <i>Biomacromolecules</i> , 2018, 19, 178-187.	2.6	40
2746	Effects of sediment resuspension on the oxidation of acid-volatile sulfides and release of metals (iron, copper, lead, zinc, cadmium, nickel, manganese, and chromium) from sediments. <i>Environmental Science and Technology</i> , 2018, 52, 993-1006.	2.2	11
2747	Denitrification by <i>Anaeromyxobacter dehalogenans</i> , a Common Soil Bacterium Lacking the Nitrite Reductase Genes <i>nirS</i> and <i>nirK</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	80
2748	Microbially Mediated Coupling of Fe and N Cycles by Nitrate-Reducing Fe(II)-Oxidizing Bacteria in Littoral Freshwater Sediments. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	45
2749	Chromium isotope fractionation in ferruginous sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 198-215.	1.6	24
2750	An optimised spectrophotometric assay for convenient and accurate quantitation of intracellular iron from iron oxide nanoparticles. <i>International Journal of Hyperthermia</i> , 2018, 34, 373-381.	1.1	38
2751	Value of Soluble Transferrin Receptors and sTfR/log Ferritin in the Diagnosis of Iron Deficiency Accompanied by Acute Infection. <i>Indian Journal of Hematology and Blood Transfusion</i> , 2018, 34, 104-109.	0.3	6
2752	Turn on the Mtr pathway genes under pLacI promoter in <i>Shewanella oneidensis</i> MR-1. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	2.0	10
2753	Microbial Reduction of Natural Fe(III) Minerals; Toward the Sustainable Production of Functional Magnetic Nanoparticles. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	19
2754	Ameliorating Iron Overload in Intestinal Tissue of Adult Male Rats: Quercetin vs Deferoxamine. <i>Journal of Toxicology</i> , 2018, 2018, 1-13.	1.4	19
2755	Solute Reservoirs Reflect Variability of Early Diagenetic Processes in Temperate Brackish Surface Sediments. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	12

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2756	Redox Fluctuations Control the Coupled Cycling of Iron and Carbon in Tropical Forest Soils. <i>Environmental Science & Technology</i> , 2018, 52, 14129-14139.	4.6	96
2757	Changes in Crystallinity and Tracer-Isotope Distribution of Goethite during Fe(II)-Accelerated Recrystallization. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 1271-1282.	1.2	28
2758	Microbial Sulfate Reduction and Perchlorate Inhibition in a Novel Mesoscale Tank Experiment. <i>Energy & Fuels</i> , 2018, 32, 12049-12065.	2.5	5
2759	Enhanced Iron Solubility at Low pH in Global Aerosols. <i>Atmosphere</i> , 2018, 9, 201.	1.0	30
2760	Nitrogen and Phosphorus Exchanges Across the Sediment-Water Interface in a Bay of Lake Chaohu. <i>Water Environment Research</i> , 2018, 90, 1956-1963.	1.3	7
2761	A new source of ammonia and carboxylic acids in cloud water: The first evidence of photochemical process involving an iron-amino acid complex. <i>Atmospheric Environment</i> , 2018, 195, 179-186.	1.9	15
2762	Divergent Nrf Family Proteins and MtrCAB Homologs Facilitate Extracellular Electron Transfer in <i>Aeromonas hydrophila</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	25
2763	Determination of iron(II) by chemiluminescence using masking ligands to distinguish interferences. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 750-759.	1.0	9
2764	Mineralogy and buffer identity effects on RDX kinetics and intermediates during reaction with natural and synthetic magnetite. <i>Chemosphere</i> , 2018, 213, 602-609.	4.2	5
2765	Towards patterned bioelectronics: facilitated immobilization of exoelectrogenic <i>Escherichia coli</i> with heterologous pili. <i>Microbial Biotechnology</i> , 2018, 11, 1184-1194.	2.0	23
2766	Hydro-geochemical characteristics of the groundwater resources in the southern part of the Red River's Delta plain, Vietnam. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	4
2767	Impact of pH on Iron Redox Transformations in Simulated Freshwaters Containing Natural Organic Matter. <i>Environmental Science & Technology</i> , 2018, 52, 13184-13194.	4.6	35
2768	Hydrophobically modified chitosan nanoliposomes for intestinal drug delivery. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5837-5848.	3.3	27
2770	Response of bentonite microbial communities to stresses relevant to geodisposal of radioactive waste. <i>Chemical Geology</i> , 2018, 501, 58-67.	1.4	22
2771	Abundance and diversity of iron reducing bacteria communities in the sediments of a heavily polluted freshwater lake. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10791-10801.	1.7	29
2772	Structures, Spectroscopic Properties, and Dioxygen Reactivity of 5- and 6-Coordinate Nonheme Iron(II) Complexes: A Combined Enzyme/Model Study of Thiol Dioxygenases. <i>Journal of the American Chemical Society</i> , 2018, 140, 14807-14822.	6.6	31
2773	Siderophore-promoted dissolution of ferrihydrite associated with adsorbed and coprecipitated natural organic matter. <i>Organic Geochemistry</i> , 2018, 125, 177-188.	0.9	8
2774	Dynamics of pyrite formation and organic matter sulfurization in organic-rich carbonate sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 241, 219-239.	1.6	75

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2775	Dynamics of microbial populations mediating biogeochemical cycling in a freshwater lake. <i>Microbiome</i> , 2018, 6, 165.	4.9	40
2776	Arsenic and high affinity phosphate uptake gene distribution in shallow submarine hydrothermal sediments. <i>Biogeochemistry</i> , 2018, 141, 41-62.	1.7	11
2777	Fe(II)-Induced Mineral Transformation of Ferrihydriteâ€™Organic Matter Adsorption and Co-precipitation Complexes in the Absence and Presence of As(III). <i>ACS Earth and Space Chemistry</i> , 2018, 2, 1095-1101.	1.2	41
2778	Effect of long term application of tetrakis(hydroxymethyl)phosphonium sulfate (THPS) in a light oil-producing oilfield. <i>Biofouling</i> , 2018, 34, 605-617.	0.8	13
2779	Influence of Oxalate on Ni Fate during Fe(II)-Catalyzed Recrystallization of Hematite and Goethite. <i>Environmental Science & Technology</i> , 2018, 52, 6920-6927.	4.6	16
2780	Bio-processing of a saline, calcareous copper sulfide ore by sequential leaching. <i>Hydrometallurgy</i> , 2018, 179, 36-43.	1.8	14
2781	Variation in electrode redox potential selects for different microorganisms under cathodic current flow from electrodes in marine sediments. <i>Environmental Microbiology</i> , 2018, 20, 2270-2287.	1.8	17
2782	Arsenic Geochemistry of Alluvial Sediments and Pore Waters Affected by Mine Tailings along the Belle Fourche and Cheyenne River Floodplains. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	3
2783	Determination of iron in seawater: From the laboratory to in situ measurements. <i>Talanta</i> , 2018, 188, 135-144.	2.9	34
2784	Approaches to Interrogate the Role of Nucleotide Hydrolysis by Metal Trafficking NTPases: The Nbp35â€™Cfd1 Ironâ€™Sulfur Cluster Scaffold as a Case Study. <i>Methods in Enzymology</i> , 2018, 599, 293-325.	0.4	7
2785	Organic matter loading by hippopotami causes subsidy overload resulting in downstream hypoxia and fish kills. <i>Nature Communications</i> , 2018, 9, 1951.	5.8	59
2786	Phosphorus retention in surface-flow constructed wetlands targeting agricultural drainage water. <i>Ecological Engineering</i> , 2018, 120, 94-103.	1.6	29
2787	Phosphorus accumulation and stability in sediments of surface-flow constructed wetlands. <i>Geoderma</i> , 2018, 331, 109-120.	2.3	19
2788	Cr(^{VI}) uptake and reduction by biogenic iron (oxyhydr)oxides. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1056-1068.	1.7	28
2790	Subsurface processes influence oxidant availability and chemoautotrophic hydrogen metabolism in Yellowstone hot springs. <i>Geobiology</i> , 2018, 16, 674-692.	1.1	35
2791	The influence of selected bivalent metal ions on the photolysis of diethylenetriamine penta(methylenephosphonic acid). <i>Chemosphere</i> , 2018, 210, 726-733.	4.2	20
2792	Decreased Electron Transfer between Cr(VI) and AH ₂ DS in the Presence of Goethite. <i>Journal of Environmental Quality</i> , 2018, 47, 139-146.	1.0	2
2793	The Limiting Factor to the Outbreak of Lake Black Bloom: Roles of Ferrous Iron and Sulfide Ions. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1800305.	0.7	9

#	ARTICLE	IF	CITATIONS
2794	Arsenite adsorption controlled by the iron oxide content of Holocene Red River aquifer sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 61-73.	1.6	22
2795	<i>Labilibaculum manganireducens</i> gen. nov., sp. nov. and <i>Labilibaculum filiforme</i> sp. nov., Novel Bacteroidetes Isolated from Subsurface Sediments of the Baltic Sea. <i>Frontiers in Microbiology</i> , 2017, 8, 2614.	1.5	25
2796	Evolution of Phototrophy in the Chloroflexi Phylum Driven by Horizontal Gene Transfer. <i>Frontiers in Microbiology</i> , 2018, 9, 260.	1.5	143
2797	<i>Mycobacterium abscessus</i> subsp. <i>massiliense</i> mycma_0076 and mycma_0077 Genes Code for Ferritins That Are Modulated by Iron Concentration. <i>Frontiers in Microbiology</i> , 2018, 9, 1072.	1.5	8
2798	Iron cycling and stable Fe isotope fractionation in Antarctic shelf sediments, King George Island. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 320-338.	1.6	38
2799	Electrochemical effect on bioleaching of arsenic and manganese from tungsten mine wastes using <i>Acidithiobacillus</i> spp.. <i>Journal of Environmental Management</i> , 2018, 223, 852-859.	3.8	18
2800	Structure of the acid hydrothermal system of Papandayan volcano, Indonesia, investigated by geophysical methods. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 77-86.	0.8	18
2801	Generation of hydroxyl radicals from reactions between a dimethoxyhydroquinone and iron oxide nanoparticles. <i>Scientific Reports</i> , 2018, 8, 10834.	1.6	94
2802	Enhanced bioleaching efficiency of copper from printed circuit boards without iron loss. <i>Hydrometallurgy</i> , 2018, 180, 65-71.	1.8	18
2803	Intercropping wheat and maize increases the uptake of phthalic acid esters by plant roots from soils. <i>Journal of Hazardous Materials</i> , 2018, 359, 9-18.	6.5	22
2804	The significance of pH in dictating the relative toxicities of chloride and copper to acidophilic bacteria. <i>Research in Microbiology</i> , 2018, 169, 552-557.	1.0	28
2805	Ascorbic acid as a reductant for extraction of iron-bound phosphorus in soil samples: a method comparison study. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2155-2161.	0.6	1
2806	Iron reductive dissolution in vadose zone soils: Implication for groundwater pollution in landfill impacted sites. <i>Applied Geochemistry</i> , 2018, 94, 21-27.	1.4	16
2807	Effects of humic substances on Fe(II) sorption onto aluminum oxide and clay. <i>Geochemical Transactions</i> , 2018, 19, 3.	1.8	12
2808	Investigation of synthetic ferrihydrite transformation in soils using two-step sequential extraction and the diffusive gradients in thin films (DGT) technique. <i>Geoderma</i> , 2018, 321, 90-99.	2.3	12
2809	Removal of microcystin-LR using UV-assisted advanced oxidation processes and optimization of photo-Fenton-like process for treating Nak-Dong River water, South Korea. <i>Chemical Engineering Journal</i> , 2018, 348, 125-134.	6.6	28
2810	Redox-switchable siderophore anchor enables reversible artificial metalloenzyme assembly. <i>Nature Catalysis</i> , 2018, 1, 680-688.	16.1	51
2811	Transformation of oxytetracycline by redox-active Fe(III)- and Mn(IV)-containing minerals: Processes and mechanisms. <i>Water Research</i> , 2018, 145, 136-145.	5.3	54

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2812	A Key Role for the Periplasmic PfeE Esterase in Iron Acquisition <i>via</i> the Siderophore Enterobactin in <i>Pseudomonas aeruginosa</i> . ACS Chemical Biology, 2018, 13, 2603-2614.	1.6	30
2813	Contrasting evolution of iron phase composition in soils exposed to redox fluctuations. Geochimica Et Cosmochimica Acta, 2018, 235, 89-102.	1.6	77
2814	Computer vision-based analytical chemistry applied to determining iron in commercial pharmaceutical formulations. Talanta, 2018, 188, 349-355.	2.9	12
2815	Time-resolved microbial guild responses to tidal cycling in a coastal acid-sulfate system. Environmental Chemistry, 2018, 15, 2.	0.7	5
2816	Geochemical controls of the microbially mediated redox cycling of uranium and iron. Geochimica Et Cosmochimica Acta, 2018, 235, 431-449.	1.6	23
2817	Photoreductive dissolution of schwertmannite induced by oxalate and the mobilization of adsorbed As(V). Chemosphere, 2018, 208, 294-302.	4.2	21
2818	A case study for late Archean and Proterozoic biogeochemical iron and sulphur cycling in a modern habitat—the Arvadi Spring. Geobiology, 2018, 16, 353-368.	1.1	5
2819	Photoreactivities of two distinct dissolved organic matter pools in groundwater of a subarctic island. Marine Chemistry, 2018, 202, 97-120.	0.9	15
2820	The biogeochemical fate of nickel during microbial ISA degradation; implications for nuclear waste disposal. Scientific Reports, 2018, 8, 8753.	1.6	15
2821	Imaging redox activity and Fe(II) at the microbe-mineral interface during Fe(III) reduction. Research in Microbiology, 2018, 169, 582-589.	1.0	11
2822	Isolation and characterization of an ammonium-oxidizing iron reducer: Acidimicrobiaceae sp. A6. PLoS ONE, 2018, 13, e0194007.	1.1	63
2823	Interplay of S and As in Mekong Delta sediments during redox oscillations. Geoscience Frontiers, 2019, 10, 1715-1729.	4.3	5
2824	Elucidation of chemical modifier reactivity towards peptides and proteins and the analysis of specific fragmentation by matrix-assisted laser desorption/ionization collision-induced dissociation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2019, 33, 40-49.	0.7	6
2825	Dissolved organic matter processing and photoreactivity in a wastewater treatment constructed wetland. Science of the Total Environment, 2019, 648, 923-934.	3.9	34
2826	Effects of ferric sulfate and polyaluminum chloride coagulation enhanced treatment wetlands on Typha growth, soil and water chemistry. Science of the Total Environment, 2019, 648, 116-124.	3.9	21
2827	Tracing the cycling and fate of the munition, Hexahydro-1,3,5-trinitro-1,3,5-triazine in a simulated sandy coastal marine habitat with a stable isotopic tracer, ¹⁵ N-[RDX]. Science of the Total Environment, 2019, 647, 369-378.	3.9	7
2828	FePO ₄ nanoparticles produced by an industrially scalable continuous-flow method are an available form of P and Fe for cucumber and maize plants. Scientific Reports, 2019, 9, 11252.	1.6	28
2829	Community succession in an anaerobic long-chain paraffin-degrading consortium and impact on chemical and electrical microbially influenced iron corrosion. FEMS Microbiology Ecology, 2019, 95, .	1.3	6

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2830	Creek Dynamics Determine Pond Subsurface Geochemical Heterogeneity in East Anglian (UK) Salt Marshes. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	14
2831	Arsenic redistribution and transformation during Fe(II)-catalyzed recrystallization of As-adsorbed ferrihydrite under anaerobic conditions. <i>Chemical Geology</i> , 2019, 525, 380-389.	1.4	46
2832	Hyporheic Interactions Increase Zinc Exposure and Effects on <i>Hyalella azteca</i> in Sediments under Flow-through Conditions. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2447-2458.	2.2	5
2833	Iron reduction by diverse actinobacteria under oxic and pH-neutral conditions and the formation of secondary minerals. <i>Chemical Geology</i> , 2019, 525, 390-399.	1.4	32
2834	Sources and transformations of iron in the sediments of the Gulf of Aqaba (Red Sea). <i>Marine Chemistry</i> , 2019, 216, 103691.	0.9	11
2835	Quantitative Dissolution of Environmentally Accessible Iron Residing in Iron-Rich Minerals: A Review. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1371-1392.	1.2	25
2836	Shelf-to-basin iron shuttle in the Guaymas Basin, Gulf of California. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 76-92.	1.6	28
2837	The Controls of Iron and Oxygen on Hydroxyl Radical ($\cdot\text{OH}$) Production in Soils. <i>Soil Systems</i> , 2019, 3, 1.	1.0	48
2838	Diagenesis of sulfur, iron and phosphorus in sediments of an urban bay impacted by multiple anthropogenic perturbations. <i>Marine Pollution Bulletin</i> , 2019, 146, 366-376.	2.3	6
2839	Comparative analysis of ZVI materials for reductive separation of $^{99}\text{Tc(VII)}$ from aqueous waste streams. <i>Journal of Hazardous Materials</i> , 2019, 380, 120836.	6.5	25
2840	Anoxygenic photosynthesis and the delayed oxygenation of Earth's atmosphere. <i>Nature Communications</i> , 2019, 10, 3026.	5.8	47
2841	Development of a Paper-Based Sensor Compatible with a Mobile Phone for the Detection of Common Iron Formulas Used in Fortified Foods within Resource-Limited Settings. <i>Nutrients</i> , 2019, 11, 1673.	1.7	19
2842	Oxidation of ammonium by <i>Ferromox</i> sp. A6 in anaerobic microbial electrolysis cells. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1582-1592.	1.2	12
2843	Identifying the Driving Factors of Black Bloom in Lake Bay through Bayesian LASSO. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2492.	1.2	6
2844	Electron Donor Utilization and Secondary Mineral Formation during the Bioreduction of Lepidocrocite by <i>Shewanella putrefaciens</i> CN32. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 434.	0.8	18
2845	Differential alteration in reproductive toxicity of medaka fish on exposure to nanoscale zerovalent iron and its oxidation products. <i>Environmental Pollution</i> , 2019, 252, 1920-1932.	3.7	17
2846	General Geochemistry and Microbiology Techniques. , 2019, , 3-60.		2
2847	Use of Multi-collector ICP-MS for Studying Biogeochemical Metal Cycling. , 2019, , 93-118.		1

#	ARTICLE	IF	CITATIONS
2848	Mössbauer Spectroscopy. , 2019, , 314-338.		5
2849	Seasonal blooms of neutrophilic Betaproteobacterial Fe(II) oxidizers and Chlorobi in iron-rich coal mine drainage sediments. FEMS Microbiology Ecology, 2019, 95, .	1.3	3
2850	Microbial reduction of Fe(III) coupled to the biodegradation of isosaccharinic acid (ISA). Applied Geochemistry, 2019, 109, 104399.	1.4	11
2851	Redox-dependent phosphorus burial and regeneration in an offshore sulfidic sediment core in North Yellow Sea, China. Marine Pollution Bulletin, 2019, 149, 110582.	2.3	6
2852	FP613PRE-DIALYSIS LEFT ATRIAL FUNCTION ASSESSED BY TWO-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHY AS A PREDICTOR OF UPCOMING HEART FAILURE IN HEMODIALYSIS PATIENTS. Nephrology Dialysis Transplantation, 2019, 34, .	0.4	0
2853	Effect of Coexisting Fe(III) (oxyhydr)oxides on Cr(VI) Reduction by Fe(II)-Bearing Clay Minerals. Environmental Science & Technology, 2019, 53, 13767-13775.	4.6	49
2854	Studies on the Interaction of Ion Exchange Resins with Initial Catalyst Concentrations of a Chemical Oscillator using Spectrophotometric and Electrochemical Methods. Journal of Analytical Chemistry, 2019, 74, 1064-1072.	0.4	1
2855	Effects of eutrophication on sedimentary organic carbon cycling in five temperate lakes. Biogeosciences, 2019, 16, 3725-3746.	1.3	26
2856	Ultrastable and Biofunctionalizable Conjugated Polymer Nanoparticles with Encapsulated Iron for Ferroptosis Assisted Chemodynamic Therapy. Molecular Pharmaceutics, 2019, 16, 4852-4866.	2.3	33
2857	Mediterranean Coastal Lagoons: The Importance of Monitoring in Sediments the Biochemical Composition of Organic Matter. International Journal of Environmental Research and Public Health, 2019, 16, 3466.	1.2	11
2858	Evidence for microbial iron reduction in the methanic sediments of the oligotrophic southeastern Mediterranean continental shelf. Biogeosciences, 2019, 16, 3165-3181.	1.3	20
2859	Worm tubes as conduits for the electrogenic microbial grid in marine sediments. Science Advances, 2019, 5, eaaw3651.	4.7	38
2860	Oxalic Acid-Induced Photodissolution of Ferrihydrite and the Fate of Loaded As(V): Kinetics and Mechanism. Nanomaterials, 2019, 9, 1143.	1.9	3
2861	Temperature fluctuations in the Archean ocean as trigger for varve-like deposition of iron and silica minerals in banded iron formations. Geochimica Et Cosmochimica Acta, 2019, 265, 386-412.	1.6	14
2862	Geochemical Fingerprint and Soil Carbon of Sandy Alfisols. Soil Systems, 2019, 3, 59.	1.0	7
2863	Free flavins accelerate release of ferrous iron from iron storage proteins by both free flavin-dependent and -independent ferric reductases in <i>Escherichia coli</i> . Journal of General and Applied Microbiology, 2019, 65, 308-315.	0.4	7
2864	Defluorination of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) by <i>Acidimicrobium</i> sp. Strain A6. Environmental Science & Technology, 2019, 53, 11410-11419.	4.6	246
2865	Nickel Cycling and Negative Feedback on Fe(II)-Catalyzed Recrystallization of Goethite. ACS Earth and Space Chemistry, 2019, 3, 1932-1941.	1.2	12

#	ARTICLE	IF	CITATIONS
2866	Polyketides from Marine-Derived <i>Aspergillus porosus</i> : Challenges and Opportunities for Determining Absolute Configuration. <i>Journal of Natural Products</i> , 2019, 82, 2780-2789.	1.5	21
2867	Enhancement of iron-mediated activation of persulfate using catechin: From generation of reactive species to atenolol degradation in water. <i>Science of the Total Environment</i> , 2019, 697, 134188.	3.9	16
2868	Iron chelation by deferasirox confers protection against concanavalin A-induced liver fibrosis: A mechanistic approach. <i>Toxicology and Applied Pharmacology</i> , 2019, 382, 114748.	1.3	8
2869	Soil Microbial Communities Involved in Reductive Dissolution of Arsenic from Arsenate-Laden Minerals with Different Carbon Sources. <i>Environmental Science & Technology</i> , 2019, 53, 12398-12406.	4.6	21
2870	Decomposition in flocculent sediments of shallow freshwaters and its sensitivity to warming. <i>Freshwater Science</i> , 2019, 38, 899-916.	0.9	1
2871	Plutonium(IV) Sorption during Ferrihydrite Nanoparticle Formation. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2437-2442.	1.2	15
2872	Geochemical and Metagenomic Characterization of Jinata Onsen, a Proterozoic-Analog Hot Spring, Reveals Novel Microbial Diversity including Iron-Tolerant Phototrophs and Thermophilic Lithotrophs. <i>Microbes and Environments</i> , 2019, 34, 278-292.	0.7	48
2873	Factors controlling dissimilatory nitrate reduction processes in constructed stormwater urban wetlands. <i>Biogeochemistry</i> , 2019, 142, 375-393.	1.7	30
2874	<i>In situ</i> measurement of dissolved Fe(II) in sediment pore water with a novel sensor based on C18-ferrozine concentration and optical imaging detection. <i>Analytical Methods</i> , 2019, 11, 133-141.	1.3	9
2875	Fluorescence resonance energy transfer links membrane ferroportin, hephaestin but not ferroportin, amyloid precursor protein complex with iron efflux. <i>Journal of Biological Chemistry</i> , 2019, 294, 4202-4214.	1.6	39
2876	Bacterial sensors define intracellular free energies for correct enzyme metalation. <i>Nature Chemical Biology</i> , 2019, 15, 241-249.	3.9	112
2877	Anaerobic Bioreduction of Jarosites and Biofilm Formation by a Natural Microbial Consortium. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 81.	0.8	8
2878	Multiple iron reduction by methoxylated phenolic lignin structures and the generation of reactive oxygen species by lignocellulose surfaces. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 340-346.	3.6	24
2879	Importance of the vegetation-groundwater-stream continuum to understand transformation of biogenic carbon in aquatic systems – A case study based on a pine-maize comparison in a lowland sandy watershed (Landes de Gascogne, SW France). <i>Science of the Total Environment</i> , 2019, 661, 613-629.	3.9	14
2880	Redistribution of Electron Equivalents between Magnetite and Aqueous Fe ²⁺ Induced by a Model Quinone Compound AQDS. <i>Environmental Science & Technology</i> , 2019, 53, 1863-1873.	4.6	18
2881	Biogenic Hematite from Bacteria: Facile Synthesis of Secondary Nanoclusters for Lithium Storage Capacity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6948-6957.	4.0	9
2882	Preparation and Iron Redox Speciation Study of the Fe(II)-Binding Antimicrobial Protein Calprotectin. <i>Methods in Molecular Biology</i> , 2019, 1929, 397-415.	0.4	5
2883	Moving into the Third Decade of Nanoscale Zero-Valent Iron (NZVI) Development: Best Practices for Field Implementation. , 2019, , 293-333.		1

#	ARTICLE	IF	CITATIONS
2884	Chitosan as an antioxidant alternative to sulphites in oenology: EPR investigation of inhibitory mechanisms. <i>Food Chemistry</i> , 2019, 285, 67-76.	4.2	39
2885	Hematite Crystallization in the Presence of Organic Matter: Impact on Crystal Properties and Bacterial Dissolution. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 510-518.	1.2	10
2886	Photochemistry of ferritin decorated with plasmonic gold nanoparticles. <i>Environmental Science: Nano</i> , 2019, 6, 85-93.	2.2	3
2887	Catechol thioethers with physiologically active fragments: Electrochemistry, antioxidant and cryoprotective activities. <i>Bioorganic Chemistry</i> , 2019, 89, 103003.	2.0	23
2888	Spatially variable bioturbation and physical mixing drive the sedimentary biogeochemical seascape in the Louisiana continental shelf hypoxic zone. <i>Biogeochemistry</i> , 2019, 143, 151-169.	1.7	7
2889	H ₂ -fuelled microbial metabolism in Opalinus Clay. <i>Applied Clay Science</i> , 2019, 174, 69-76.	2.6	14
2890	Labile organic matter intensifies phosphorous mobilization in paddy soils by microbial iron (III) reduction. <i>Geoderma</i> , 2019, 352, 185-196.	2.3	43
2891	Contribution of Microaerophilic Iron(II)-Oxidizers to Iron(III) Mineral Formation. <i>Environmental Science & Technology</i> , 2019, 53, 8197-8204.	4.6	40
2892	Anaerobic reductive bio-dissolution of jarosites by <i>Acidithiobacillus ferrooxidans</i> using hydrogen as electron donor. <i>Science of the Total Environment</i> , 2019, 686, 869-877.	3.9	12
2893	The effect of the ferrihydrite dissolution/transformation process on mobility of arsenic in soils: Investigated by coupling a two-step sequential extraction with the diffusive gradient in the thin films (DGT) technique. <i>Geoderma</i> , 2019, 352, 22-32.	2.3	25
2894	Analysis of RNA Methylation by Phylogenetically Diverse Cfr Radical S-Adenosylmethionine Enzymes Reveals an Iron-Binding Accessory Domain in a Clostridial Enzyme. <i>Biochemistry</i> , 2019, 58, 3169-3184.	1.2	3
2895	Fate of adsorbed arsenic during early stage sulfidization of nano-ferrihydrite. <i>Environmental Science: Nano</i> , 2019, 6, 2228-2240.	2.2	8
2896	Sulfate deprivation triggers high methane production in a disturbed and rewetted coastal peatland. <i>Biogeosciences</i> , 2019, 16, 1937-1953.	1.3	29
2897	Isolation and characterization of a thermophilic sulfur- and iron-reducing thaumarchaeote from a terrestrial acidic hot spring. <i>ISME Journal</i> , 2019, 13, 2465-2474.	4.4	26
2898	Fe(III) Oxide Reduction by Anaerobic Biofilm Formation-Deficient S-Ribosylhomocysteine Lyase (LuxS) Mutant of <i>Shewanella oneidensis</i> . <i>Geomicrobiology Journal</i> , 2019, 36, 639-650.	1.0	0
2899	Nitrification Rates Are Affected by Biogenic Nitrate and Volatile Organic Compounds in Agricultural Soils. <i>Frontiers in Microbiology</i> , 2019, 10, 772.	1.5	10
2900	Cr(VI) reduction by Fe(II) sorbed to silica surfaces. <i>Chemosphere</i> , 2019, 234, 98-107.	4.2	18
2901	Facilitated Fe(II) Oxidation but Inhibited Denitrification by Reduced Graphene Oxide during Nitrate-Dependent Fe(II) Oxidation. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1594-1602.	1.2	7

#	ARTICLE	IF	CITATIONS
2902	Enhancing bioelectricity generation in microbial fuel cells and biophotovoltaics using nanomaterials. <i>Nano Research</i> , 2019, 12, 2184-2199.	5.8	51
2903	Effect of endogenous microbiota on the molecular composition of cloud water: a study by Fourier-transform ion cyclotron resonance mass spectrometry (FT-ICR MS). <i>Scientific Reports</i> , 2019, 9, 7663.	1.6	18
2904	Extraction of electrons by magnetite and ferrihydrite from hydrogen-producing <i>Clostridium bifermentans</i> by strengthening the acetate production pathway. <i>Science China Technological Sciences</i> , 2019, 62, 1719-1725.	2.0	15
2905	Photoreductive Dissolution of Schwertmannite with Incorporated As(V) Induced by Oxalate and the Mobilization of As(V). <i>Transactions of Tianjin University</i> , 2019, 25, 258-265.	3.3	1
2906	Effects of compositions, chemical structures, and microporosity of sedimentary organic matter on degradation of benzo(a)pyrene by hydrogen peroxide. <i>Water Research</i> , 2019, 159, 414-422.	5.3	9
2907	Quantification of diagenetic transformation of continental margin sediments at the Holocene time scale. <i>Continental Shelf Research</i> , 2019, 180, 63-74.	0.9	3
2908	Distinguishing Biotic and Abiotic Iron Oxidation at Low Temperatures. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 905-921.	1.2	11
2909	Stimulation of ferrihydrite nanorods on fermentative hydrogen production by <i>Clostridium pasteurianum</i> . <i>Bioresource Technology</i> , 2019, 283, 308-315.	4.8	42
2910	Formation of green rust and elemental sulfur in an analogue for oxygenated ferro-euxinic transition zones of Precambrian oceans. <i>Geology</i> , 2019, 47, 211-214.	2.0	22
2911	Soil solid-phase organic matter-mediated microbial reduction of iron minerals increases with land use change sequence from fallow to paddy fields. <i>Science of the Total Environment</i> , 2019, 676, 378-386.	3.9	20
2912	Improvement of the electron transfer rate in <i>Shewanella oneidensis</i> MR-1 using a tailored periplasmic protein composition. <i>Bioelectrochemistry</i> , 2019, 129, 18-25.	2.4	31
2913	Mediation of Extracellular Polymeric Substances in Microbial Reduction of Hematite by <i>Shewanella oneidensis</i> MR-1. <i>Frontiers in Microbiology</i> , 2019, 10, 575.	1.5	31
2914	Dynamics of Iron Homeostasis in Health and Disease: Molecular Mechanisms and Methods for Iron Determination. <i>Series in Bioengineering</i> , 2019, , 105-145.	0.3	1
2915	The Speciation and Mobility of Mn and Fe in Estuarine Sediments. <i>Aquatic Geochemistry</i> , 2019, 25, 3-26.	1.5	30
2916	Reactivity of redox cycled Fe-bearing subsurface sediments towards hexavalent chromium reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 252, 88-106.	1.6	37
2917	Biogeochemical fate of ferrihydrite-model organic compound complexes during anaerobic microbial reduction. <i>Science of the Total Environment</i> , 2019, 668, 216-223.	3.9	11
2918	Noradrenaline Acting on Alpha1 Adrenoceptor as well as by Chelating Iron Reduces Oxidative Burden on the Brain: Implications With Rapid Eye Movement Sleep. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 7.	1.4	12
2919	Bioreductive Dissolution as a Pretreatment for Recalcitrant Rare-Earth Phosphate Minerals Associated with Lateritic Ores. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 136.	0.8	11

#	ARTICLE	IF	CITATIONS
2920	Sources and sinks of CO ₂ and CH ₄ in siliciclastic subterranean estuaries. <i>Limnology and Oceanography</i> , 2019, 64, 1500-1514.	1.6	27
2921	In vitro simulation of oscillatory redox conditions in intertidal sediments: N, Mn, Fe, and P coupling. <i>Continental Shelf Research</i> , 2019, 177, 33-41.	0.9	11
2922	An integrated microbiological and electrochemical approach to determine distributions of Fe metabolism in acid mine drainage-induced iron mound sediments. <i>PLoS ONE</i> , 2019, 14, e0213807.	1.1	6
2923	Development of a two-layer transport model in layered muddy permeable marsh sediments using ²²⁴ Ra and ²²⁸ Th disequilibria. <i>Limnology and Oceanography</i> , 2019, 64, 1672-1687.	1.6	13
2924	Quantifying photo-production of triplet excited states and singlet oxygen from effluent organic matter. <i>Water Research</i> , 2019, 156, 23-33.	5.3	53
2925	Dissimilatory Iron [Fe(III)] Reduction by a Novel Fermentative, Piezophilic Bacterium <i>Anoxybacter fermentans</i> DY22613 ^T Isolated from East Pacific Rise Hydrothermal Sulfides. <i>Geomicrobiology Journal</i> , 2019, 36, 291-302.	1.0	7
2926	A large artificial dyke greatly alters partitioning of sulfate and iron reduction and resultant phosphorus dynamics in sediments of the Yeongsan River estuary, Yellow Sea. <i>Science of the Total Environment</i> , 2019, 665, 752-761.	3.9	21
2927	Coupling Nucleotide Binding and Hydrolysis to Iron-Sulfur Cluster Acquisition and Transfer Revealed through Genetic Dissection of the Nbp35 ATPase Site. <i>Biochemistry</i> , 2019, 58, 2017-2027.	1.2	20
2928	Efficient Bioelectrochemical Conversion of Industrial Wastewater by Specific Strain Isolation and Community Adaptation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 23.	2.0	4
2929	Sulfate reduction rates in the sediments of the Mediterranean continental shelf inferred from combined dissolved inorganic carbon and total alkalinity profiles. <i>Marine Chemistry</i> , 2019, 211, 64-74.	0.9	17
2930	Iron and sulfide nanoparticle formation and transport in nascent hydrothermal vent plumes. <i>Nature Communications</i> , 2019, 10, 1597.	5.8	40
2931	Structural evidence for an essential Fe-S cluster in the catalytic core domain of DNA polymerase β . <i>Nucleic Acids Research</i> , 2019, 47, 5712-5722.	6.5	31
2932	Lake sediment mercury biogeochemistry controlled by sulphate input from drainage basin. <i>Applied Geochemistry</i> , 2019, 104, 135-145.	1.4	7
2933	Hemogram and iron indices in renal anemia and the amelioration with <i>Carica papaya</i> leaf extract applied on albino rat model. <i>Bioscience Reports</i> , 2019, 39, .	1.1	4
2934	Cryptic Cycling of Complexes Containing Fe(III) and Organic Matter by Phototrophic Fe(II)-Oxidizing Bacteria. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	23
2935	Mechanistic understanding of iron toxicity tolerance in contrasting rice varieties from Africa: 1. Morpho-physiological and biochemical responses. <i>Functional Plant Biology</i> , 2019, 46, 93.	1.1	46
2936	Phosphorus cycling in Lake Cadagno, Switzerland: A low sulfate euxinic ocean analogue. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 116-135.	1.6	51
2937	Changes in survival, growth and photosynthetic pigment in response to iron increase in the leaf and root-rhizome tissues of eelgrass <i>Zostera marina</i> . <i>Aquatic Botany</i> , 2019, 154, 60-65.	0.8	9

#	ARTICLE	IF	CITATIONS
2938	Iron isotope fractionation in iron-organic matter associations: Experimental evidence using filtration and ultrafiltration. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 98-116.	1.6	19
2939	Evidence for the development of local anoxia during the Cambrian <sc>SPICE</sc> event in eastern North America. <i>Geobiology</i> , 2019, 17, 381-400.	1.1	29
2940	As release under the microbial sulfate reduction during redox oscillations in the upper Mekong delta aquifers, Vietnam: A mechanistic study. <i>Science of the Total Environment</i> , 2019, 663, 718-730.	3.9	19
2941	Tracing organic carbon and microbial community structure in mineralogically different soils exposed to redox fluctuations. <i>Biogeochemistry</i> , 2019, 143, 31-54.	1.7	18
2942	Temperature sensitivity of microbial Fe(III) reduction kinetics in subalpine wetland soils. <i>Biogeochemistry</i> , 2019, 142, 19-35.	1.7	15
2943	Spatial distribution of metal(loid) depletion and accumulation zones around a natural carbon dioxide degassing site. <i>Chemical Geology</i> , 2019, 509, 64-76.	1.4	0
2944	Influence of Fe(II) on Arsenic(III) Oxidation by Birnessite in Diffusion-Limited Systems. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 550-561.	1.2	17
2945	Anaerobic Bacterial Immobilization and Removal of Toxic Sb(III) Coupled With Fe(II)/Sb(III) Oxidation and Denitrification. <i>Frontiers in Microbiology</i> , 2019, 10, 360.	1.5	32
2946	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
2947	Electrochemical Characterization of Magnetite with Agarose-Stabilized Powder Disk Electrodes and Potentiometric Methods. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 688-699.	1.2	11
2948	Effect of ligands on the production of oxidants from oxygenation of reduced Fe-bearing clay mineral nontronite. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 136-156.	1.6	59
2949	Organic Matter Complexation Promotes Fe(II) Oxidation by the Photoautotrophic Fe(II)-Oxidizer <i>Rhodospirillum rubrum</i> TIE-1. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 531-536.	1.2	22
2950	The Effect of Multispecies Probiotic Supplementation on Iron Status in Rats. <i>Biological Trace Element Research</i> , 2019, 192, 234-243.	1.9	36
2951	Dissolved Inorganic Geogenic Phosphorus Load to a Groundwater-Fed Lake: Implications of Terrestrial Phosphorus Cycling by Groundwater. <i>Water (Switzerland)</i> , 2019, 11, 2213.	1.2	16
2952	Factors Affecting the Corrosive Behavior of Used Cooking Oils and a Non-Edible Fish Oil That Are in Contact with Ferrous Metals. <i>Energies</i> , 2019, 12, 4812.	1.6	6
2953	Investigation into Groundwater Resources in Southern Part of the Red River's Delta Plain, Vietnam by the Use of Isotopic Techniques. <i>Water (Switzerland)</i> , 2019, 11, 2120.	1.2	3
2954	Microbial reduction of metal-organic frameworks enables synergistic chromium removal. <i>Nature Communications</i> , 2019, 10, 5212.	5.8	50
2955	Microbial chemolithotrophy mediates oxidative weathering of granitic bedrock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26394-26401.	3.3	29

#	ARTICLE	IF	CITATIONS
2956	Antioxidant and Antibacterial activity of some 2-amino-1,3,4-thiadiazole Schiffâ€™s bases. <i>Journal of Physics: Conference Series</i> , 2019, 1294, 052029.	0.3	3
2957	Role of conserved arginine in the heme distal site of HutZ from <i>Vibrio cholerae</i> in the heme degradation reaction. <i>Archives of Biochemistry and Biophysics</i> , 2019, 677, 108165.	1.4	2
2958	Phenazine-1-Carboxylic Acid-Producing Bacteria Enhance the Reactivity of Iron Minerals in Dryland and Irrigated Wheat Rhizospheres. <i>Environmental Science & Technology</i> , 2019, 53, 14273-14284.	4.6	21
2959	Glacial Runoff Promotes Deep Burial of Sulfur Cycling-Associated Microorganisms in Marine Sediments. <i>Frontiers in Microbiology</i> , 2019, 10, 2558.	1.5	16
2960	Validation of sampling antarctic subglacial hypersaline waters with an electrothermal ice melting probe (IceMole) for environmental analytical geochemistry. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 2654-2667.	1.8	9
2961	Enhanced dissimilatory perchlorate reduction in the presence of humic acids or 2,6-anthraquinone disulfonate as quinone redox mediators. <i>Chemical Engineering Journal</i> , 2019, 357, 75-83.	6.6	27
2962	Experimental constraints on redox-induced arsenic release and retention from aquifer sediments in the central Yangtze River Basin. <i>Science of the Total Environment</i> , 2019, 649, 629-639.	3.9	29
2963	Iron sulfide formation in young and rapidly-deposited permeable sands at the land-sea transition zone. <i>Science of the Total Environment</i> , 2019, 649, 264-283.	3.9	17
2964	Leveraging chemical actinometry and optical radiometry to reduce uncertainty in photochemical research. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 279-287.	2.0	7
2965	Reactive Iron and Ironâ€™Bound Organic Carbon in Surface Sediments of the Riverâ€™Dominate Bohai Sea (China) Versus the Southern Yellow Sea. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2019, 124, 79-98.	1.3	21
2966	Cable bacteria promote DNRA through iron sulfide dissolution. <i>Limnology and Oceanography</i> , 2019, 64, 1228-1238.	1.6	38
2967	Cytochrome c autocatalyzed carbonylation in the presence of hydrogen peroxide and cardiolipins. <i>Journal of Biological Chemistry</i> , 2019, 294, 1816-1830.	1.6	20
2968	Impact of microbial iron oxide reduction on the transport of diffusible tracers and non-diffusible nanoparticles in soils. <i>Chemosphere</i> , 2019, 220, 391-402.	4.2	11
2969	Thiocyanate-induced labilization of schwertmannite: Impacts and mechanisms. <i>Journal of Environmental Sciences</i> , 2019, 80, 218-228.	3.2	20
2970	Complexation of Iron and Copper in Ambient Particulate Matter and Its Effect on the Oxidative Potential Measured in a Surrogate Lung Fluid. <i>Environmental Science & Technology</i> , 2019, 53, 1661-1671.	4.6	64
2971	Rates and pathways of CH ₄ oxidation in ferruginous Lake Matano, Indonesia. <i>Geobiology</i> , 2019, 17, 294-307.	1.1	9
2972	A Production-Accessible Method: Spectrophotometric Iron Speciation in Wine Using Ferrozine and Ethylenediaminetetraacetic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 680-687.	2.4	9
2973	Enhanced surface Fenton degradation of BPA in soil with a high pH. <i>Chemosphere</i> , 2019, 220, 335-343.	4.2	29

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2974	U(VI) sorption during ferrihydrite formation: Underpinning radioactive effluent treatment. <i>Journal of Hazardous Materials</i> , 2019, 366, 98-104.	6.5	26
2975	Iron isotope exchange and fractionation between hematite ($\hat{\pm}$ -Fe ₂ O ₃) and aqueous Fe(II): A combined three-isotope and reversal-approach to equilibrium study. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 207-221.	1.6	31
2976	Fe ²⁺ in ice cores as a new potential proxy to detect past volcanic eruptions. <i>Science of the Total Environment</i> , 2019, 654, 1110-1117.	3.9	14
2977	Interactive effects of land-use change and topography on asymbiotic nitrogen fixation in the Brazilian Atlantic Forest. <i>Biogeochemistry</i> , 2019, 142, 137-153.	1.7	15
2978	Microfluidic dielectrophoresis illuminates the relationship between microbial cell envelope polarizability and electrochemical activity. <i>Science Advances</i> , 2019, 5, eaat5664.	4.7	56
2979	Bioremediation of Cr (VI) contaminated groundwater by <i>Geobacter sulfurreducens</i> : Environmental factors and electron transfer flow studies. <i>Chemosphere</i> , 2019, 221, 793-801.	4.2	37
2980	Dynamics of Mn removal in an acid mine drainage treatment system over 13 years after installation. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	9
2981	Sulfur, iron, and phosphorus geochemistry in an intertidal mudflat impacted by shellfish aquaculture. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6460-6471.	2.7	7
2982	An integrated method for controlling the offensive odor and suspended matter originating from algae-induced black blooms. <i>Chemosphere</i> , 2019, 221, 526-532.	4.2	19
2983	Hydrologic Context Alters Greenhouse Gas Feedbacks of Coastal Wetland Salinization. <i>Ecosystems</i> , 2019, 22, 1108-1125.	1.6	28
2984	Atypical diagenesis of sulfur and iron in sediments of the river-dominated Bohai Sea (China). <i>Journal of Marine Systems</i> , 2019, 189, 116-126.	0.9	10
2985	Influence of pH on the balance between methanogenesis and iron reduction. <i>Geobiology</i> , 2019, 17, 185-198.	1.1	22
2986	Aerobic respiration of mineral-bound organic carbon in a soil. <i>Science of the Total Environment</i> , 2019, 651, 1253-1260.	3.9	23
2987	Exchanges of nitrogen and phosphorus across the sediment-water interface influenced by the external suspended particulate matter and the residual matter after dredging. <i>Environmental Pollution</i> , 2019, 246, 207-216.	3.7	74
2988	Mechanistic Studies of a Nonheme Iron Enzyme OvoA in Ovoidiol Biosynthesis Using a Tyrosine Analogue, 2-Amino-3-(4-hydroxy-3-(methoxyl) phenyl) Propanoic Acid (MeOTyr). <i>ACS Catalysis</i> , 2019, 9, 253-258.	5.5	22
2989	Dissolved benthic phosphate, iron and carbon fluxes in the Mauritanian upwelling system and implications for ongoing deoxygenation. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 143, 70-84.	0.6	15
2990	Electron shuttling mediated by humic substances fuels anaerobic methane oxidation and carbon burial in wetland sediments. <i>Science of the Total Environment</i> , 2019, 650, 2674-2684.	3.9	97
2991	Formation and redox reactivity of ferrihydrite-organic carbon-calcium co-precipitates. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 86-98.	1.6	38

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2992	Microbial mediated sedimentary phosphorus mobilization in emerging and eroding wetlands of coastal Louisiana. <i>Science of the Total Environment</i> , 2019, 651, 122-133.	3.9	21
2993	Ascorbate and ferritin interactions: Consequences for iron release in vitro and in vivo and implications for inflammation. <i>Free Radical Biology and Medicine</i> , 2019, 133, 75-87.	1.3	51
2994	Extending the applications of sediment profile imaging to geochemical interpretations using colour. <i>Continental Shelf Research</i> , 2019, 185, 16-22.	0.9	7
2995	Dissolution and final fate of arsenic associated with gypsum, calcite, and ferrihydrite: Influence of microbial reduction of As(V), sulfate, and Fe(III). <i>Chemosphere</i> , 2020, 239, 124823.	4.2	18
2996	Nitrous Oxide Dynamics in Agricultural Peat Soil in Response to Availability of Nitrate, Nitrite, and Iron Sulfides. <i>Geomicrobiology Journal</i> , 2020, 37, 76-85.	1.0	10
2997	Radium isotopes to trace uranium redox anomalies in anoxic groundwater. <i>Chemical Geology</i> , 2020, 531, 119296.	1.4	9
2998	Effect of Fe-metabolizing bacteria and humic substances on magnetite nanoparticle reactivity towards arsenic and chromium. <i>Journal of Hazardous Materials</i> , 2020, 384, 121450.	6.5	18
2999	Reactivity of Iron Minerals in the Seabed Toward Microbial Reduction – A Comparison of Different Extraction Techniques. <i>Geomicrobiology Journal</i> , 2020, 37, 170-189.	1.0	22
3000	The differentiation of iron-reducing bacterial community and iron-reduction activity between riverine and marine sediments in the Yellow River estuary. <i>Marine Life Science and Technology</i> , 2020, 2, 87-96.	1.8	24
3001	Dissimilatory reduction of Fe(III) by a novel <i>Serratia marcescens</i> strain with special insight into the influence of prodigiosin. <i>International Microbiology</i> , 2020, 23, 201-214.	1.1	3
3002	Modification of lactoferrin by peroxyxynitrite reduces its antibacterial activity and changes protein structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 166-174.	1.5	8
3003	Influence of Water Flow on <i>In Situ</i> Rates of Bacterial Fe(II) Oxidation. <i>Geomicrobiology Journal</i> , 2020, 37, 67-75.	1.0	3
3004	Stabilization and transformation of selenium during the Fe(II)-induced transformation of Se(IV)-adsorbed ferrihydrite under anaerobic conditions. <i>Journal of Hazardous Materials</i> , 2020, 384, 121365.	6.5	16
3005	Traceable and accurate quantification of iron in seawater using isotope dilution calibration strategies by triple quadrupole ICP-MS/MS: Characterization measurements of iron in a candidate seawater CRM. <i>Talanta</i> , 2020, 209, 120503.	2.9	10
3006	Groundwater cable bacteria conserve energy by sulfur disproportionation. <i>ISME Journal</i> , 2020, 14, 623-634.	4.4	64
3007	Effects of <i>Rahnella aquatilis</i> JZ-GX1 on Treat Chlorosis Induced by Iron Deficiency in <i>Cinnamomum camphora</i> . <i>Journal of Plant Growth Regulation</i> , 2020, 39, 877-887.	2.8	17
3008	Effect of organic C on stable Fe isotope fractionation and isotope exchange kinetics between aqueous Fe(II) and ferrihydrite at neutral pH. <i>Chemical Geology</i> , 2020, 531, 119344.	1.4	10
3009	The concentrations and characteristics of dissolved organic matter in high-latitude lakes determine its ambient reducing capacity. <i>Water Research</i> , 2020, 169, 115217.	5.3	25

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3010	Diversity of Betaproteobacteria revealed by novel primers suggests their role in arsenic cycling. <i>Heliyon</i> , 2020, 6, e03089.	1.4	12
3011	Photodegradation of ethylenediaminetetra(methylenephosphonic acid) â€“ The effect of the system configuration. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112192.	2.0	7
3012	Unraveling the Mineralogical Complexity of Sediment Iron Speciation Using Sequential Extractions. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008666.	1.0	34
3013	Water extractable organic matter and iron in relation to land use and seasonal changes. <i>Science of the Total Environment</i> , 2020, 707, 136070.	3.9	16
3014	Biogeochemical cycling of iron: Implications for biocementation and slope stabilisation. <i>Science of the Total Environment</i> , 2020, 707, 136128.	3.9	20
3015	Aggregation-dependent electron transfer via redox-active biochar particles stimulate microbial ferrihydrite reduction. <i>Science of the Total Environment</i> , 2020, 703, 135515.	3.9	57
3016	Manganese/ironâ€supported sulfateâ€dependent anaerobic oxidation of methane by archaea in lake sediments. <i>Limnology and Oceanography</i> , 2020, 65, 863-875.	1.6	54
3017	Orbitally driven redox fluctuations during Cretaceous Oceanic Anoxic Event 2 (OAE2) revealed by a new magnetic proxy. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 538, 109465.	1.0	10
3018	Effect of ferric ions on the anaerobic bio-dissolution of jarosites by <i>Acidithiobacillus ferrooxidans</i> . <i>Science of the Total Environment</i> , 2020, 710, 136334.	3.9	9
3019	Impact of finfish aquaculture on biogeochemical processes in coastal ecosystems and elemental sulfur as a relevant proxy for assessing farming condition. <i>Marine Pollution Bulletin</i> , 2020, 150, 110635.	2.3	13
3020	Influence of terminal electron-accepting conditions on the soil microbial community and degradation of organic contaminants of emerging concern. <i>Science of the Total Environment</i> , 2020, 706, 135327.	3.9	19
3021	Calibrating equilibrium Fe isotope fractionation factors between magnetite, garnet, amphibole, and biotite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 271, 78-95.	1.6	20
3022	Syntrophic growth of alkaliphilic anaerobes controlled by ferric and ferrous minerals transformation coupled to acetogenesis. <i>ISME Journal</i> , 2020, 14, 425-436.	4.4	15
3023	The microbially driven formation of siderite in salt marsh sediments. <i>Geobiology</i> , 2020, 18, 207-224.	1.1	23
3024	Leaching of organic carbon from grassland soils under anaerobiosis. <i>Soil Biology and Biochemistry</i> , 2020, 141, 107684.	4.2	17
3025	Cloud Water Chemistry Associated with Urban Aerosols: Rapid Hydroxyl Radical Formation, Soluble Metals, Fe(II), Fe(III), and Quinones. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 67-76.	1.2	14
3026	Environmental factors determining distribution and activity of anammox bacteria in minerotrophic fen soils. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	5
3027	Revisiting the phenanthroline and ferrozine colorimetric methods for quantification of Fe(II) in Fenton reactions. <i>Chemical Engineering Journal</i> , 2020, 391, 123592.	6.6	32

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3028	Iron isotope geochemistry and mineralogy of jarosite in sulfur-rich sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 270, 282-295.	1.6	9
3029	Redox cycling of Fe(II) and Fe(III) in magnetite accelerates acetoclastic methanogenesis by <i>Methanosarcina mazei</i> . <i>Environmental Microbiology Reports</i> , 2020, 12, 97-109.	1.0	28
3030	Mobilization of trace metals from caprock and formation rocks at the Illinois Basin "Decatur Project demonstration site under geological carbon dioxide sequestration conditions. <i>Chemical Geology</i> , 2020, 550, 119758.	1.4	5
3031	Degradation of 2, 2,4,4-Tetrabrominated diphenyl ether (BDE-47) via the Fenton reaction driven by the dissimilatory metal-reducing bacterium <i>Shewanella oneidensis</i> MR-1. <i>Environmental Pollution</i> , 2020, 266, 115413.	3.7	11
3033	Isolation and characterization of a novel acidophilic zero-valent sulfur- and ferric iron-respiring Firmicute. <i>Research in Microbiology</i> , 2020, 171, 215-221.	1.0	4
3034	Regeneration of Fe(II) from Fenton-derived ferric sludge using a novel biocathode. <i>Bioresource Technology</i> , 2020, 318, 124195.	4.8	29
3035	Nutrients and Pharmaceuticals Structure Bacterial Core Communities in Urban and Montane Stream Biofilms. <i>Frontiers in Microbiology</i> , 2020, 11, 526545.	1.5	4
3036	Hydro-biogeochemical processes and nitrogen removal potential of a tidally influenced permeable reactive barrier behind a perforated marine bulkhead. <i>Ecological Engineering</i> , 2020, 155, 105933.	1.6	4
3037	Biogeochemistry in an intertidal pocket beach. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 243, 106920.	0.9	7
3038	The control of hydrogen sulfide on benthic iron and cadmium fluxes in the oxygen minimum zone off Peru. <i>Biogeosciences</i> , 2020, 17, 3685-3704.	1.3	17
3039	Groundwater-controlled phosphorus release and transport from sandy aquifer into lake. <i>Limnology and Oceanography</i> , 2020, 65, 2188-2204.	1.6	26
3040	Mechanisms of Pyrite Formation Promoted by Sulfate-Reducing Bacteria in Pure Culture. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	40
3041	From the Ocean to the Lab "Assessing Iron Limitation in Cyanobacteria: An Interface Paper. <i>Microorganisms</i> , 2020, 8, 1889.	1.6	2
3042	In Vivo Biogenesis of a De Novo Designed Iron-Sulfur Protein. <i>ACS Synthetic Biology</i> , 2020, 9, 3400-3407.	1.9	10
3043	Anoxygenic photosynthesis and iron-sulfur metabolic potential of <i>Chlorobia</i> populations from seasonally anoxic Boreal Shield lakes. <i>ISME Journal</i> , 2020, 14, 2732-2747.	4.4	22
3044	A novel peroxymonosulfate (PMS)-enhanced iron coagulation process for simultaneous removal of trace organic pollutants in water. <i>Water Research</i> , 2020, 185, 116136.	5.3	74
3045	Iron binding and release properties of transferrin-1 from <i>Drosophila melanogaster</i> and <i>Manduca sexta</i> : Implications for insect iron homeostasis. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 125, 103438.	1.2	16
3046	Nanoscale mechanism of UO ₂ formation through uranium reduction by magnetite. <i>Nature Communications</i> , 2020, 11, 4001.	5.8	57

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3047	Diversity of Uncultured Magnetospirillum sp. from the Sediments of South Kerala Sedimentary Basin, India. <i>Current Microbiology</i> , 2020, 77, 2456-2464.	1.0	3
3048	Oxidation of soil organic carbon during an anoxic-oxic transition. <i>Geoderma</i> , 2020, 377, 114584.	2.3	15
3049	Bioleaching of arsenic-rich cobalt mineral resources, and evidence for concurrent biomineralisation of scorodite during oxidative bio-processing of skutterudite. <i>Hydrometallurgy</i> , 2020, 195, 105395.	1.8	13
3050	Bacterial production of vanadium ferrite spinel (Fe,V) ₃ O ₄ nanoparticles. <i>Mineralogical Magazine</i> , 2020, 84, 554-562.	0.6	5
3051	Classification of Clouds Sampled at the Puy de Dôme Station (France) Based on Chemical Measurements and Air Mass History Matrices. <i>Atmosphere</i> , 2020, 11, 732.	1.0	16
3052	Characteristics of an Iron-Reducing, Moderately Acidophilic Actinobacterium Isolated from Pyritic Mine Waste, and Its Potential Role in Mitigating Mineral Dissolution in Mineral Tailings Deposits. <i>Microorganisms</i> , 2020, 8, 990.	1.6	4
3053	A Hybrid Extracellular Electron Transfer Pathway Enhances the Survival of <i>Vibrio natriegens</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	21
3054	Iron isotope exchange and fractionation between jarosite and aqueous Fe(II). <i>Chemical Geology</i> , 2020, 554, 119802.	1.4	1
3055	Tuning Extracellular Electron Transfer by <i>Shewanella oneidensis</i> Using Transcriptional Logic Gates. <i>ACS Synthetic Biology</i> , 2020, 9, 2301-2315.	1.9	21
3056	Discovery and structure-activity relationship studies of 1-aryl-1H-naphtho[2,3-d][1,2,3]triazole-4,9-dione derivatives as potent dual inhibitors of indoleamine 2,3-dioxygenase 1 (IDO1) and tryptophan 2,3-dioxygenase (TDO). <i>European Journal of Medicinal Chemistry</i> , 2020, 207, 112703.	2.6	22
3057	Inactivation of <i>Escherichia coli</i> enhanced by anaerobic microbial iron reduction. <i>Environmental Science and Pollution Research</i> , 2020, 28, 63614-63622.	2.7	1
3058	Technological properties of protein hydrolysate from the cutting byproduct of serra spanish mackerel (<i>Scomberomorus brasiliensis</i>). <i>Journal of Food Science and Technology</i> , 2021, 58, 2952-2962.	1.4	8
3059	OxyR controls magnetosome formation by regulating magnetosome island (MAI) genes, iron metabolism, and redox state. <i>Free Radical Biology and Medicine</i> , 2020, 161, 272-282.	1.3	9
3060	Authigenic Ferrimagnetic Iron Sulfide Preservation Due to Nonsteady State Diagenesis: A Perspective From Perseverance Drift, Northwestern Weddell Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009380.	1.0	3
3061	Enzymes, Manganese, or Iron? Drivers of Oxidative Organic Matter Decomposition in Soils. <i>Environmental Science & Technology</i> , 2020, 54, 14114-14123.	4.6	63
3062	Organic carbon and reduced inorganic sulfur accumulation in subtropical saltmarsh sediments along a dynamic coast, Yancheng, China. <i>Journal of Marine Systems</i> , 2020, 211, 103415.	0.9	5
3063	Degradation of RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine) in contrasting coastal marine habitats: Subtidal non-vegetated (sand), subtidal vegetated (silt/eel grass), and intertidal marsh. <i>Science of the Total Environment</i> , 2020, 745, 140800.	3.9	3
3064	Generation of Alkalinity by Stimulation of Microbial Iron Reduction in Acid Rock Drainage Systems: Impact of Natural Organic Matter Types. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	4

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3065	Stability of Floodplain Subsurface Microbial Communities Through Seasonal Hydrological and Geochemical Cycles. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	14
3066	Nitrate reduction pathways and interactions with iron in the drainage water infiltration zone of a riparian wetland soil. <i>Biogeochemistry</i> , 2020, 150, 235-255.	1.7	15
3067	Characterization of Fe(III)-Reducing Enrichment Cultures and Isolation of <i>Enterobacter</i> sp. Nan-1 from the Deep-Sea Sediment, South China Sea. <i>Journal of Ocean University of China</i> , 2020, 19, 818-826.	0.6	1
3068	Complexation by cysteine and iron mineral adsorption limit cadmium mobility during metabolic activity of <i>Geobacter sulfurreducens</i> . <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1877-1887.	1.7	7
3069	Nanoscale observations of Fe-induced ferrihydrite transformation. <i>Environmental Science: Nano</i> , 2020, 7, 2953-2967.	2.2	21
3070	Mud, Microbes, and Macrofauna: Seasonal Dynamics of the Iron Biogeochemical Cycle in an Intertidal Mudflat. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	6
3071	The Weathering Microbiome of an Outcropping Granodiorite. <i>Frontiers in Microbiology</i> , 2020, 11, 601907.	1.5	6
3072	A Model of Aerobic and Anaerobic Metabolism of Hydrogen in the Extremophile <i>Acidithiobacillus ferrooxidans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 610836.	1.5	25
3073	Sampling of basement fluids via Circulation Obviation Retrofit Kits (CORKs) for dissolved gases, fluid fixation at the seafloor, and the characterization of organic carbon. <i>MethodsX</i> , 2020, 7, 101033.	0.7	2
3074	Iron mineral dissolution releases iron and associated organic carbon during permafrost thaw. <i>Nature Communications</i> , 2020, 11, 6329.	5.8	96
3075	Humic Substances Mediate Anaerobic Methane Oxidation Linked to Nitrous Oxide Reduction in Wetland Sediments. <i>Frontiers in Microbiology</i> , 2020, 11, 587.	1.5	50
3076	Genome-Resolved Metagenomics and Detailed Geochemical Speciation Analyses Yield New Insights into Microbial Mercury Cycling in Geothermal Springs. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	19
3077	Microbial Ecology of Methanotrophy in Streams Along a Gradient of CH ₄ Availability. <i>Frontiers in Microbiology</i> , 2020, 11, 771.	1.5	4
3078	Rapid pyritization in the presence of a sulfur/sulfate-reducing bacterial consortium. <i>Scientific Reports</i> , 2020, 10, 8264.	1.6	40
3079	From Plant to Paddy—How Rice Root Iron Plaque Can Affect the Paddy Field Iron Cycling. <i>Soil Systems</i> , 2020, 4, 28.	1.0	19
3080	Influence of pH on the Kinetics and Mechanism of Photoreductive Dissolution of Amorphous Iron Oxyhydroxide in the Presence of Natural Organic Matter: Implications to Iron Bioavailability in Surface Waters. <i>Environmental Science & Technology</i> , 2020, 54, 6771-6780.	4.6	25
3081	Hypomorphic CAMKK2 in EA.hy926 endothelial cells causes abnormal transferrin trafficking, iron homeostasis and glucose metabolism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118763.	1.9	13
3082	Abiotic Transient Nitrite Occurrences from Nitrate Reduction through Goethite-Mediated Fe(III)/Fe(II) Cycle with Labile Organic Materials and Ammonia. <i>Water (Switzerland)</i> , 2020, 12, 1202.	1.2	7

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3083	Tracing water column euxinia in Eastern Mediterranean Sapropels S5 and S7. <i>Chemical Geology</i> , 2020, 545, 119627.	1.4	22
3084	Arsenic contamination of Bangladesh aquifers exacerbated by clay layers. <i>Nature Communications</i> , 2020, 11, 2244.	5.8	68
3085	Experimental simulations of bacterially-mediated magnetite oxidation and observations on ferricrete formation at the Salobo IOCG mine, Brazil. <i>Applied Geochemistry</i> , 2020, 118, 104628.	1.4	3
3086	Spatial and temporal heterogeneity of geochemical controls on carbon cycling in a tidal salt marsh. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 1-18.	1.6	43
3087	Electron shuttles stimulate the reductive dissolution of jarosite by <i>Acidiphilium cryptum</i> . <i>Hydrometallurgy</i> , 2020, 194, 105351.	1.8	5
3088	Virgin (FeO) and microbially regenerated (Fe ²⁺) iron turning waste for treating chlorinated pesticides in water. <i>Journal of Hazardous Materials</i> , 2020, 398, 122980.	6.5	12
3089	CAMKK2-CAMK4 signaling regulates transferrin trafficking, turnover, and iron homeostasis. <i>Cell Communication and Signaling</i> , 2020, 18, 80.	2.7	9
3090	Arctic Amplification of Global Warming Strengthened by Sunlight Oxidation of Permafrost Carbon to CO ₂ . <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087085.	1.5	38
3091	<i>Pontiella desulfatans</i> gen. nov., sp. nov., and <i>Pontiella sulfatireligans</i> sp. nov., Two Marine Anaerobes of the Pontellaceae fam. nov. Producing Sulfated Glycosaminoglycan-like Exopolymers. <i>Microorganisms</i> , 2020, 8, 920.	1.6	31
3092	Sensitive detection of iron (II) sulfate with a novel reagent using spectrophotometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118631.	2.0	3
3093	Development of Iron Speciation Reference Materials for Palaeoredox Analysis. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 581-591.	1.7	31
3094	Controls of H ₂ S, Fe ²⁺ , and Mn ²⁺ on Microbial NO ₃ ⁻ -Reducing Processes in Sediments of an Eutrophic Lake. <i>Frontiers in Microbiology</i> , 2020, 11, 1158.	1.5	23
3095	Validating the Cyc2 Neutrophilic Iron Oxidation Pathway Using Meta-omics of <i>Zetaproteobacteria</i> Iron Mats at Marine Hydrothermal Vents. <i>MSystems</i> , 2020, 5, .	1.7	65
3096	Iron and manganese fluxes across the sediment-water interface in a drinking water reservoir. <i>Water Research</i> , 2020, 182, 116003.	5.3	36
3097	Metagenomic- and Cultivation-Based Exploration of Anaerobic Chloroform Biotransformation in Hypersaline Sediments as Natural Source of Chloromethanes. <i>Microorganisms</i> , 2020, 8, 665.	1.6	8
3098	Mineral Dust and Iron Solubility: Effects of Composition, Particle Size, and Surface Area. <i>Atmosphere</i> , 2020, 11, 533.	1.0	27
3099	Immobilizing magnetite onto quartz sand for chromium remediation. <i>Journal of Hazardous Materials</i> , 2020, 400, 123139.	6.5	13
3100	Adaptive iron utilization compensates for the lack of an inducible uptake system in <i>Naegleria fowleri</i> and represents a potential target for therapeutic intervention. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007759.	1.3	17

#	ARTICLE	IF	CITATIONS
3101	Molybdenum geochemistry in salt marsh pond sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 284, 75-91.	1.6	14
3102	Unexpected mechanism for glucose-primed soil organic carbon mineralization under an anaerobic-aerobic transition. <i>Geoderma</i> , 2020, 376, 114535.	2.3	10
3103	Performance of a Geosynthetic-Clay-Liner Cover System at a Cu/Zn Mine Tailings Impoundment. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	6
3104	Invasive <i>Spartina anglica</i> Greatly Alters the Rates and Pathways of Organic Carbon Oxidation and Associated Microbial Communities in an Intertidal Wetland of the Han River Estuary, Yellow Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	13
3105	The Influence of O ₂ on the Enrichment and Activities of Acidophilic Fe(III) Reducing Bacteria. <i>Geomicrobiology Journal</i> , 2020, 37, 564-571.	1.0	0
3106	First Field-Based Evidence That the Seagrass-Lucinid Mutualism Can Mitigate Sulfide Stress in Seagrasses. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	18
3107	Extracellular electron transfer in fermentative bacterium <i>Anoxybacter fermentans</i> DY22613T isolated from deep-sea hydrothermal sulfides. <i>Science of the Total Environment</i> , 2020, 722, 137723.	3.9	14
3108	Nitrite Accumulation Is Required for Microbial Anaerobic Iron Oxidation, but Not for Arsenite Oxidation, in Two Heterotrophic Denitrifiers. <i>Environmental Science & Technology</i> , 2020, 54, 4036-4045.	4.6	33
3109	Effect of Microbial Biomass and Humic Acids on Abiotic and Biotic Magnetite Formation. <i>Environmental Science & Technology</i> , 2020, 54, 4121-4130.	4.6	32
3110	Sulfur-enhanced reductive bioprocessing of cobalt-bearing materials for base metals recovery. <i>Hydrometallurgy</i> , 2020, 195, 105396.	1.8	13
3111	Examining bulk and iron-associated organic carbon through depth in margin sea sediments (China) under contrasting depositional settings: Chemical and NEXAFS spectral characterization. <i>Journal of Marine Systems</i> , 2020, 207, 103344.	0.9	9
3112	Lacustrine Groundwater Discharge Through Giant Pockmarks (Lake Neuchatel, Switzerland). <i>Frontiers in Water</i> , 2020, 2, .	1.0	9
3113	Development and validation of an economical uric acid-Fe ³⁺ /Fe ²⁺ -ferrozine-based colorimetric assay to estimate uric acid level of pure and biological samples. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1967-1974.	0.6	6
3114	Effect of Natural Organic Matter on the Fate of Cadmium During Microbial Ferrihydrite Reduction. <i>Environmental Science & Technology</i> , 2020, 54, 9445-9453.	4.6	39
3115	Application of a microbial siderophore desferrioxamine B in sunlight/Fe ³⁺ /persulfate system: from the radical formation to the degradation of atenolol at neutral pH. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36782-36788.	2.7	2
3116	Uranium Isotope Fractionation in Non-sulfidic Anoxic Settings and the Global Uranium Isotope Mass Balance. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006649.	1.9	40
3117	The Effect of Early Diagenesis in Methanic Sediments on Sedimentary Magnetic Properties: Case Study From the SE Mediterranean Continental Shelf. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	11
3118	Mesoproterozoic paleo-redox changes during 1500-1400 Ma in the Yanshan Basin, North China. <i>Precambrian Research</i> , 2020, 347, 105835.	1.2	12

#	ARTICLE	IF	CITATIONS
3119	Si-induced DMA desorption is not the driver for enhanced DMA availability after Si addition to flooded soils. <i>Science of the Total Environment</i> , 2020, 739, 139906.	3.9	13
3120	Thiolated arsenic species observed in rice paddy pore waters. <i>Nature Geoscience</i> , 2020, 13, 282-287.	5.4	70
3121	Mechanisms of Enhanced Antibacterial Activity by Reduced Chitosan-Intercalated Nontronite. <i>Environmental Science & Technology</i> , 2020, 54, 5207-5217.	4.6	23
3122	Microbial community dynamics and coexistence in a sulfide-driven phototrophic bloom. <i>Environmental Microbiomes</i> , 2020, 15, 3.	2.2	16
3123	Using Aeration to Enhance Phosphorus Adsorption and Immobilization by the Sediment and LMB. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	3
3124	A study of synchronous measurement of liable phosphorous and iron based on ZrO-Chelex (DGT) in the sediment of the Chaiwopu Lake, Xinjiang, Northwest China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15057-15067.	2.7	9
3125	Impact of zero valent iron aging on reductive removal of technetium-99. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103767.	3.3	11
3126	Influence of Physical Perturbation on Fe(II) Supply in Coastal Marine Sediments. <i>Environmental Science & Technology</i> , 2020, 54, 3209-3218.	4.6	17
3127	Fire Affects Asymbiotic Nitrogen Fixation in Southern Amazon Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005383.	1.3	9
3128	High-pH and anoxic conditions during soil organic matter extraction increases its electron-exchange capacity and ability to stimulate microbial Fe(III) reduction by electron shuttling. <i>Biogeosciences</i> , 2020, 17, 683-698.	1.3	20
3129	Genetic Control of Radical Cross-linking in a Semisynthetic Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1375-1386.	2.6	13
3130	Direct measurements of ferric reductase activity of human 101F6 and its enhancement upon reconstitution into phospholipid bilayer nanodisc. <i>Biochemistry and Biophysics Reports</i> , 2020, 21, 100730.	0.7	4
3131	Common pitfalls in chemical actinometry. <i>Journal of Flow Chemistry</i> , 2020, 10, 295-306.	1.2	31
3132	Behaviour of chromium and chromium isotopes during estuarine mixing in the Beaulieu Estuary, UK. <i>Earth and Planetary Science Letters</i> , 2020, 536, 116166.	1.8	22
3133	Role of biogenic Fe(III) minerals as a sink and carrier of heavy metals in the Rio Tinto, Spain. <i>Science of the Total Environment</i> , 2020, 718, 137294.	3.9	18
3134	Fate of oxalic-acid-intervened arsenic during Fe(II)-induced transformation of As(V)-bearing jarosite. <i>Science of the Total Environment</i> , 2020, 719, 137311.	3.9	18
3135	AQDS and Redox-Active NOM Enables Microbial Fe(III)-Mineral Reduction at cm-Scales. <i>Environmental Science & Technology</i> , 2020, 54, 4131-4139.	4.6	49
3136	Technetium retention by gamma alumina nanoparticles and the effect of sorbed Fe ²⁺ . <i>Journal of Hazardous Materials</i> , 2020, 388, 122066.	6.5	14

#	ARTICLE	IF	CITATIONS
3137	Antimony mobility during the early stages of stibnite weathering in tailings at the Beaver Brook Sb deposit, Newfoundland. <i>Applied Geochemistry</i> , 2020, 115, 104528.	1.4	33
3138	Glacial influence on the iron and sulfur cycles in Arctic fjord sediments (Svalbard). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 423-440.	1.6	20
3139	Influence of particulate versus diffusive molybdenum supply mechanisms on the molybdenum isotope composition of continental margin sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 51-69.	1.6	24
3140	Variations in sediment production of dissolved iron across a continental margin not dominated by major upwelling or riverine inputs. <i>Marine Chemistry</i> , 2020, 220, 103750.	0.9	1
3141	Identifying the reactive sites of hydrogen peroxide decomposition and hydroxyl radical formation on chrysotile asbestos surfaces. <i>Particle and Fibre Toxicology</i> , 2020, 17, 3.	2.8	6
3142	Biorecovery of Metals from a Stainless Steel Industrial Effluent through Denitrification Performed in a Novel Anaerobic Swirling Fluidized Membrane Bioreactor (ASFMBR). <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 2725-2735.	1.8	7
3143	Parallel artificial and biological electric circuits power petroleum decontamination: The case of snorkel and cable bacteria. <i>Water Research</i> , 2020, 173, 115520.	5.3	44
3144	Formation and prevention of pipe scale from acid mine drainage at iron Mountain and Leviathan Mines, California, USA. <i>Applied Geochemistry</i> , 2020, 115, 104521.	1.4	4
3145	Benthic alkalinity and dissolved inorganic carbon fluxes in the Rhône River prodelta generated by decoupled aerobic and anaerobic processes. <i>Biogeosciences</i> , 2020, 17, 13-33.	1.3	25
3146	Effect of Indigenous Microbial Consortium on Bioremediation of Arsenic from Contaminated Soil by <i>Shewanella putrefaciens</i> . <i>Sustainability</i> , 2020, 12, 3286.	1.6	7
3147	Microbially mediated iron redox cycling of subsurface sediments from Hanford Site, Washington State, USA. <i>Chemical Geology</i> , 2020, 546, 119643.	1.4	6
3148	Innovative depollution treatment using multi-valent iron species: from fundamental study to application in municipal wastewater. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19736-19745.	2.7	3
3149	The effect of calcium peroxide originating from oyster shell powder on control of phosphorus compounds in oceanic sediment. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 105-110.	1.2	5
3150	Bio-reduction of ferrihydrite-montmorillonite-organic matter complexes: Effect of montmorillonite and fate of organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 327-344.	1.6	39
3151	Temperature-induced iron (III) reduction results in decreased dissolved organic carbon export in subalpine wetland soils, Colorado, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 148-160.	1.6	13
3152	Interplay between iron species transformation and hydroxyl radicals production in soils and sediments during anoxic-oxic cycles. <i>Geoderma</i> , 2020, 370, 114351.	2.3	32
3153	Biofouling, metal sorption and aggregation are related to sinking of microplastics in a stratified reservoir. <i>Water Research</i> , 2020, 176, 115748.	5.3	97
3154	Calcium-Uranyl-Carbonate Species Kinetically Limit U(VI) Reduction by Fe(II) and Lead to U(V)-Bearing Ferrihydrite. <i>Environmental Science & Technology</i> , 2020, 54, 6021-6030.	4.6	17

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3155	Bioactive hydrogel coatings of complex substrates using diffusion-mediated redox initiation. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4289-4298.	2.9	12
3156	Vivianite formation in ferruginous sediments from Lake Towuti, Indonesia. <i>Biogeosciences</i> , 2020, 17, 1955-1973.	1.3	22
3157	Experimental study on phosphorus release from sediment with fresh-water snail (<i>Bellamya</i>). <i>Journal of Environmental Management</i> , 2020, 262, 109562.	1.5	9
3158	Quantification of sulphide oxidation rates in marine sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 441-452.	1.6	27
3159	Chicken Combs and Wattles as Sources of Bioactive Peptides: Optimization of Hydrolysis, Identification by LC-ESI-MS2 and Bioactivity Assessment. <i>Molecules</i> , 2020, 25, 1698.	1.7	10
3160	Reliance and effect of sediment bulking on the physicochemical properties of sediments in aquatic environments. <i>Science of the Total Environment</i> , 2020, 723, 137872.	3.9	6
3161	Alternative Biogeochemical States of River Pools Mediated by Hippo Use and Flow Variability. <i>Ecosystems</i> , 2021, 24, 284-300.	1.6	16
3162	Geochemical and Stable Fe Isotopic Analysis of Dissimilatory Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. <i>Astrobiology</i> , 2021, 21, 83-102.	1.5	0
3163	Deletion of <i>vp0057</i> , a Gene Encoding a Ser/Thr Protein Kinase, Impacts the Proteome and Promotes Iron Uptake and Competitive Advantage in <i>Vibrio parahaemolyticus</i> . <i>Journal of Proteome Research</i> , 2021, 20, 250-260.	1.8	6
3164	Contribution of the Fenton reaction and ligninolytic enzymes to soil organic matter mineralisation under anoxic conditions. <i>Science of the Total Environment</i> , 2021, 760, 143397.	3.9	16
3165	Nitrogen and Phosphorus Export After Flooding of Agricultural Land by Coastal Managed Realignment. <i>Estuaries and Coasts</i> , 2021, 44, 657-671.	1.0	8
3166	Organic compounds alter the preference and rates of heavy metal adsorption on ferrihydrite. <i>Science of the Total Environment</i> , 2021, 750, 141485.	3.9	38
3167	Structure-activity relationship studies of phenothiazine derivatives as a new class of ferroptosis inhibitors together with the therapeutic effect in an ischemic stroke model. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112842.	2.6	33
3168	Analysis of technetium immobilization and its molecular retention mechanisms by Fe(II)-Al(III)-Cl layered double hydroxide. <i>Chemical Engineering Journal</i> , 2021, 408, 127265.	6.6	23
3169	To unsnarl the mechanism of disinfection of <i>Escherichia coli</i> via visible light assisted heterogeneous photo-Fenton reaction in presence of biochar supported maghemite nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104620.	3.3	17
3170	Fe(II)-induced transformation of iron minerals in soil ferromanganese nodules. <i>Chemical Geology</i> , 2021, 559, 119901.	1.4	10
3171	Redox condition of saline groundwater from coastal aquifers influences reverse osmosis desalination process. <i>Water Research</i> , 2021, 188, 116508.	5.3	17
3172	Abundant sediment organic matter potentially facilitates chemical iron reduction and surface water blackness in a Chinese deep lake. <i>Environmental Pollution</i> , 2021, 272, 116002.	3.7	14

#	ARTICLE	IF	CITATIONS
3173	Comparative proteomics of <i>Geobacter sulfurreducens</i> PCA ^T in response to acetate, formate and/or hydrogen as electron donor. <i>Environmental Microbiology</i> , 2021, 23, 299-315.	1.8	25
3174	Organic matter stabilized Fe in drinking water treatment residue with implications for environmental remediation. <i>Water Research</i> , 2021, 189, 116688.	5.3	20
3175	Characterizing geochemistry of organic carbon, sulfur, and iron in sediments of the middle Okinawa Trough since the last glacial maximum. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 168, 103452.	0.6	3
3176	Nutrients regeneration pathway, release potential, transformation pattern and algal utilization strategies jointly drove cyanobacterial growth and their succession. <i>Journal of Environmental Sciences</i> , 2021, 103, 255-267.	3.2	15
3177	The performance of nitrate-reducing Fe(II) oxidation processes under variable initial Fe/N ratios: The fate of nitrogen and iron species. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	12
3178	Inhibition of perchlorate biodegradation by ferric and ferrous iron. <i>Journal of Hazardous Materials</i> , 2021, 410, 124555.	6.5	1
3179	Anaerobic benzene mineralization by natural microbial communities from Niger Delta. <i>Biodegradation</i> , 2021, 32, 37-52.	1.5	6
3180	Potential of high pH and reduced sulfur for arsenic mobilization – Insights from a Finnish peatland treating mining waste water. <i>Science of the Total Environment</i> , 2021, 758, 143689.	3.9	12
3181	Characterizing Physical Properties of Streambed Interface Sediments Using In Situ Complex Electrical Conductivity Measurements. <i>Water Resources Research</i> , 2021, 57, e2020WR027995.	1.7	5
3182	Stable Fe isotope fractionation during dissimilatory Fe(III) reduction by a thermoacidophile in acidic hydrothermal environments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 427-451.	1.6	8
3183	Differential manganese and iron recycling and transport in continental margin sediments of the Northern Gulf of Mexico. <i>Marine Chemistry</i> , 2021, 229, 103908.	0.9	12
3184	Iron-reducing bacteria decompose lignin by electron transfer from soil organic matter. <i>Science of the Total Environment</i> , 2021, 761, 143194.	3.9	28
3185	Metabolic Responses of a Phototrophic Co-Culture Enriched from a Freshwater Sediment on Changing Substrate Availability and its Relevance for Biogeochemical Iron Cycling. <i>Geomicrobiology Journal</i> , 2021, 38, 267-281.	1.0	3
3186	Carryover effects of silicon-rich amendments in rice paddies. <i>Soil Science Society of America Journal</i> , 2021, 85, 314-327.	1.2	12
3187	Novel Composites of Multifunctional NaP Zeolite/Graphene Oxide for Highly Efficient Removal of Fe(III) from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 577-590.	1.9	8
3188	Utilization of multilayer-technology to enhance encapsulation efficiency and osmotic gradient tolerance of iron-loaded W1/O/W2 emulsions: Saponin-chitosan coatings. <i>Food Hydrocolloids</i> , 2021, 112, 106334.	5.6	19
3189	Opportunistic use of catecholamine neurotransmitters as siderophores to access iron by <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2022, 24, 878-893.	1.8	22
3190	Transcriptomics analysis of the metabolic mechanisms of iron reduction induced by sulfate reduction mediated by sulfate-reducing bacteria. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	7

#	ARTICLE	IF	CITATIONS
3191	Limited carbon sources prevent sulfate remediation in circumneutral abandoned mine drainage. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	2
3193	The environmental importance of iron speciation in soils: evaluation of classic methodologies. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 63.	1.3	19
3194	Early Diagenesis in Sediments of the Venice Lagoon (Italy) and Its Relationship to Hypoxia. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	6
3195	A novel vertical flow assay for point of care measurement of iron from whole blood. <i>Analyst</i> , The, 2021, 146, 1633-1641.	1.7	3
3196	Genomic Analysis of a Newly Isolated <i>Acidithiobacillus ferridurans</i> JAGS Strain Reveals Its Adaptation to Acid Mine Drainage. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 74.	0.8	15
3197	Characterization of Fe-S Clusters in Proteins by MÖssbauer Spectroscopy. <i>Methods in Molecular Biology</i> , 2021, 2353, 281-305.	0.4	8
3198	Inactive and inefficient: Warming and drought effect on microbial carbon processing in alpine grassland at depth. <i>Global Change Biology</i> , 2021, 27, 2241-2253.	4.2	48
3199	Assessment of the Suitability of Methods for Testing the Antioxidant Activity of Anti-Aging Creams. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1358.	1.3	3
3200	Calculating metalation in cells reveals CobW acquires Coll for vitamin B12 biosynthesis while related proteins prefer ZnII. <i>Nature Communications</i> , 2021, 12, 1195.	5.8	32
3201	Simulated Aquifer Heterogeneity Leads to Enhanced Attenuation and Multiple Retention Processes of Zinc. <i>Environmental Science & Technology</i> , 2021, 55, 2939-2948.	4.6	8
3202	Reduction of Sb(V) by coupled biotic-abiotic processes under sulfidogenic conditions. <i>Heliyon</i> , 2021, 7, e06275.	1.4	10
3203	Functional Cupcake for Preventing Vitamin A Deficiency and Correlated Anemia and Oxidative Stress. <i>Pakistan Journal of Biological Sciences</i> , 2021, 24, 366-373.	0.2	1
3204	Strong local, not global, controls on marine pyrite sulfur isotopes. <i>Science Advances</i> , 2021, 7, .	4.7	43
3206	Gulf of Mexico blue hole harbors high levels of novel microbial lineages. <i>ISME Journal</i> , 2021, 15, 2206-2232.	4.4	13
3207	Stability of aqueous Fe(III) chloride complexes and the solubility of hematite between 150 and 300â€°C. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 330, 148-164.	1.6	4
3208	Spatial Variability of Organic Matter and Phosphorus Cycling in RhÃˆne River Prodelta Sediments (NW) Tj ETQq1 1 Q.784314 rgBT /Ov	1.0	10
3209	An evolving view on biogeochemical cycling of iron. <i>Nature Reviews Microbiology</i> , 2021, 19, 360-374.	13.6	299
3210	Reductive Transformation of Fe(III) (oxyhydr)Oxides by Mesophilic Homoacetogens in the Genus <i>Sporomusa</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 600808.	1.5	15

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3211	Hydrogeology Journal, 2021, 29, 1153-1171.	0.9	11
3212	Mineralosphere Microbiome Leading to Changed Geochemical Properties of Sedimentary Rocks from Aiqigou Mud Volcano, Northwest China. <i>Microorganisms</i> , 2021, 9, 560.	1.6	3
3213	In Vitro Antioxidant Activities of Methanol Extracts of Three <i>Achillea</i> Species from Turkey. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 0, , 483-490.	0.4	1
3214	Redox evolution and the development of oxygen minimum zones in the Eastern Mediterranean Levantine basin during the early Holocene. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 297, 82-100.	1.6	10
3215	Biogeochemical cycling of sulfur, manganese and iron in ferruginous limnic analog of Archean ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 296, 56-74.	1.6	14
3216	Differential degradation of BDE-3 and BDE-209 by the <i>Shewanella oneidensis</i> MR-1-mediated Fenton reaction. <i>International Biodeterioration and Biodegradation</i> , 2021, 158, 105165.	1.9	6
3217	Redox-active antibiotics enhance phosphorus bioavailability. <i>Science</i> , 2021, 371, 1033-1037.	6.0	67
3218	Development of energetic and enzymatic limitations on microbial carbon cycling in soils. <i>Biogeochemistry</i> , 2021, 153, 191-213.	1.7	14
3219	Early Diagenesis in the Hypoxic and Acidified Zone of the Northern Gulf of Mexico: Is Organic Matter Recycling in Sediments Disconnected From the Water Column?. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
3220	Potentially bioavailable iron produced through benthic cycling in glaciated Arctic fjords of Svalbard. <i>Nature Communications</i> , 2021, 12, 1349.	5.8	26
3221	Low Fe Availability for Photosynthesis of Sea-Ice Algae: Ex situ Incubation of the Ice Diatom <i>Fragilariopsis cylindrus</i> in Low-Fe Sea Ice Using an Ice Tank. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
3222	Principles and practice of determining metal-protein affinities. <i>Biochemical Journal</i> , 2021, 478, 1085-1116.	1.7	24
3223	Reduction of Dissolved Fe(III) by As(V)-tolerant Bacteria Isolated from Rhizosphere Soil. <i>Korean Journal of Environmental Agriculture</i> , 2021, 40, 67-72.	0.0	0
3224	Effect of Copresence of Zerovalent Iron and Sulfate Reducing Bacteria on Reductive Dechlorination of Trichloroethylene. <i>Environmental Science & Technology</i> , 2021, 55, 4851-4861.	4.6	30
3225	Dissolution of Manganese (IV) Oxide Mediated by Acidophilic Bacteria, and Demonstration That Manganese (IV) Can Act as Both a Direct and Indirect Electron Acceptor for Iron-Reducing <i>Acidithiobacillus</i> spp.. <i>Geomicrobiology Journal</i> , 2021, 38, 570-576.	1.0	6
3227	Variable redox conditions as an evolutionary driver? A multi-basin comparison of redox in the middle and later Cambrian oceans (Drumian-Paibian). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 566, 110209.	1.0	28
3228	Pleistocene sands of the Mississippi River Alluvial Aquifer produce the highest groundwater arsenic concentrations in southern Louisiana, USA. <i>Journal of Hydrology</i> , 2021, 595, 125995.	2.3	7
3229	Organic Biogeochemistry in West Mata, NE Lau Hydrothermal Vent Fields. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009481.	1.0	0

#	ARTICLE	IF	CITATIONS
3230	Seasonal Distribution of Cyanobacteria in Three Urban Eutrophic Lakes Results from an Epidemic-like Response to Environmental Conditions. <i>Current Microbiology</i> , 2021, 78, 2298-2316.	1.0	5
3231	Microbial Degradation of Citric Acid in Low Level Radioactive Waste Disposal: Impact on Biomineralization Reactions. <i>Frontiers in Microbiology</i> , 2021, 12, 565855.	1.5	12
3232	Small-Scale Geochemical Heterogeneities and Seasonal Variation of Iron and Sulfide in Salt Marshes Revealed by Two-Dimensional Sensors. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
3234	Arsenic Partitioning during Schwertmannite Dissolution and Recrystallization in the Presence of Fe(II) and Oxalic Acid. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1058-1070.	1.2	10
3235	Contrasting effects of rice husk pyrolysis temperature on silicon dissolution and retention of cadmium (Cd) and dimethylarsinic acid (DMA). <i>Science of the Total Environment</i> , 2021, 765, 144428.	3.9	21
3236	Combined Effects of Fe(III)-Bearing Clay Minerals and Organic Ligands on U(VI) Bioreduction and U(IV) Speciation. <i>Environmental Science & Technology</i> , 2021, 55, 5929-5938.	4.6	28
3237	Biochar-templated surface precipitation and inner-sphere complexation effectively removes arsenic from acid mine drainage. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45519-45533.	2.7	10
3238	Diurnal Fe(II)/Fe(III) cycling and enhanced O ₂ production in a simulated Archean marine oxygen oasis. <i>Nature Communications</i> , 2021, 12, 2069.	5.8	6
3239	Phosphorus supply pathways and mechanisms in shallow lakes with different regime. <i>Water Research</i> , 2021, 193, 116886.	5.3	27
3240	<i>Geothermobacter hydrogeniphilus</i> sp. nov., a mesophilic, iron(III)-reducing bacterium from seafloor/subseafloor environments in the Pacific Ocean, and emended description of the genus <i>Geothermobacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	9
3241	Influences of pH and substrate supply on the ratio of iron to sulfate reduction. <i>Geobiology</i> , 2021, 19, 405-420.	1.1	9
3242	Phosphate removal from landfill leachate using ferric iron bioremediation under anaerobic condition. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1576-1587.	1.6	2
3243	Biogeochemical dynamics and microbial community development under sulfate- and iron-reducing conditions based on electron shuttle amendment. <i>PLoS ONE</i> , 2021, 16, e0251883.	1.1	6
3244	Nitrogen Loads to Streams: Importance of Bypass Flow and Nitrate Removal Processes. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2021, 126, e2020JG006111.	1.3	8
3246	Production of hydroxyl radicals following water-level drawdown in peatlands: A new induction mechanism for enhancing laccase activity in carbon cycling. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108241.	4.2	22
3247	A porous carbon-based electro-Fenton hollow fiber membrane with good antifouling property for microalgae harvesting. <i>Journal of Membrane Science</i> , 2021, 626, 119189.	4.1	26
3248	Evaluation of riverbed magnetic susceptibility for mapping biogeochemical hot spots in groundwater-impacted rivers. <i>Hydrological Processes</i> , 2021, 35, e14184.	1.1	4
3249	Geographical Distribution of Iron Redox Cycling Bacterial Community in Peatlands: Distinct Assemble Mechanism Across Environmental Gradient. <i>Frontiers in Microbiology</i> , 2021, 12, 674411.	1.5	6

#	ARTICLE	IF	CITATIONS
3250	Influence of Agricultural Managed Aquifer Recharge (AgMAR) and Stratigraphic Heterogeneities on Nitrate Reduction in the Deep Subsurface. <i>Water Resources Research</i> , 2021, 57, e2020WR029148.	1.7	17
3251	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
3252	Elemental iron modifies the redox environment of the gastrointestinal tract: A novel therapeutic target and test for metabolic syndrome. <i>Free Radical Biology and Medicine</i> , 2021, 168, 203-213.	1.3	5
3253	Uranium(VI) attenuation in a carbonate-bearing oxic alluvial aquifer. <i>Journal of Hazardous Materials</i> , 2021, 412, 125089.	6.5	8
3254	Insight to Microbial Fe(III) Reduction Mediated by Redox-Active Humic Acids with Varied Redox Potentials. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6807.	1.2	4
3255	Transformation of jarosite during simulated remediation of a sandy sulfuric soil. <i>Science of the Total Environment</i> , 2021, 773, 145546.	3.9	12
3257	Geochemistry of natural acid rock drainage in the Judith Mountains, Montana, part 2: Seasonal and spatial trends in Chicago Gulch. <i>Applied Geochemistry</i> , 2021, 129, 104968.	1.4	3
3258	A method for liquid spectrophotometric measurement of total and water-soluble iron and copper in ambient aerosols. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4707-4719.	1.2	6
3259	Biogeochemical Mobility of Contaminants from a Replica Radioactive Waste Trench in Response to Rainfall-Induced Redox Oscillations. <i>Environmental Science & Technology</i> , 2021, 55, 8793-8805.	4.6	9
3260	Bioleaching of Transition Metals From Limonitic Laterite Deposits and Reassessment of the Multiple Roles of Sulfur-Oxidizing Acidophiles in the Process. <i>Frontiers in Microbiology</i> , 2021, 12, 703177.	1.5	7
3261	Towards a standardized protocol for studying chemolithoautotrophic denitrification with pyrite at circumneutral pH. <i>Applied Geochemistry</i> , 2021, 130, 104995.	1.4	4
3262	Hydrologic Alteration and Enhanced Microbial Reductive Dissolution of Fe(III) (hydr)oxides Under Flow Conditions in Fe(III)-Rich Rocks: Contribution to Cave-Forming Processes. <i>Frontiers in Microbiology</i> , 2021, 12, 696534.	1.5	6
3263	A long-term record of early to mid-Paleozoic marine redox change. <i>Science Advances</i> , 2021, 7, .	4.7	33
3264	Characterization of scaling material obtained from the geothermal power plant of the Balmatt site, <i>Mol. Geothermics</i> , 2021, 94, 102090.	1.5	5
3265	Formation of Fe(III) (Hydr)oxides from Fe(II) Sulfides: Implications for Akaganeite Detection on Mars. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1934-1947.	1.2	7
3266	Extraction of Au(III) by Microbially Reduced Metal-Organic Frameworks. <i>Langmuir</i> , 2021, 37, 9078-9088.	1.6	8
3267	“Candidatus Chlorobium masyuteum,” a Novel Photoferrotrophic Green Sulfur Bacterium Enriched From a Ferruginous Meromictic Lake. <i>Frontiers in Microbiology</i> , 2021, 12, 695260.	1.5	8
3268	Sunlight-triggered synergy of hematite and <i>Shewanella oneidensis</i> MR-1 in Cr(VI) removal. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 305, 19-32.	1.6	21

#	ARTICLE	IF	CITATIONS
3269	Iron and sulfur speciation and cycling in the sediments of marine systems located in arid environments: the northern Red Sea. <i>Journal of the Geological Society</i> , 2022, 179, .	0.9	0
3270	Organic Matter from Redoximorphic Soils Accelerates and Sustains Microbial Fe(III) Reduction. <i>Environmental Science & Technology</i> , 2021, 55, 10821-10831.	4.6	22
3271	Complexation of ferrous ions by ferrozine, 2,2'-bipyridine and 1,10-phenanthroline: Implication for the quantification of iron in biological systems. <i>Journal of Inorganic Biochemistry</i> , 2021, 220, 111460.	1.5	24
3272	Lignin-enhanced reduction of structural Fe(III) in nontronite: Dual roles of lignin as electron shuttle and donor. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 1-21.	1.6	27
3273	Coupling of dissolved organic carbon, sulfur and iron cycling in Black Sea sediments over the Holocene and the late Pleistocene: Insights from an empirical dynamic model. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 302-318.	1.6	2
3275	Silicon-rich soil amendments impact microbial community composition and the composition of arsenic-bearing microbes. <i>Plant and Soil</i> , 2021, 468, 147-164.	1.8	7
3276	Bioleaching of vanadium by <i>Acidithiobacillus ferrooxidans</i> from vanadium-bearing resources: Performance and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 416, 125843.	6.5	16
3279	Structural insights into a novel family of integral membrane siderophore reductases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	21
3280	Evolution of (Bio)Geochemical Processes and Diagenetic Alteration of Sediments Along the Tectonic Migration of Ocean Floor in the Shikoku Basin off Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009585.	1.0	11
3281	Geochemistry of iron and sulfur in the Holocene marine sediments under contrasting depositional settings, with caveats for applications of paleoredox proxies. <i>Journal of Marine Systems</i> , 2021, 220, 103572.	0.9	7
3282	Chromium (VI) removal kinetics by magnetite-coated sand: Small-scale flow-through column experiments. <i>Journal of Hazardous Materials</i> , 2021, 415, 125648.	6.5	9
3283	Occurrence of arsenite in surface and groundwater associated with a perennial stream located in Western Nebraska, USA. <i>Journal of Hazardous Materials</i> , 2021, 416, 126170.	6.5	9
3284	Anaerobic As(III) Oxidation Coupled with Nitrate Reduction and Attenuation of Dissolved Arsenic by <i>Noviherbaspirillum</i> Species. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2115-2123.	1.2	13
3285	Using Zn and Ni behavior during magnetite precipitation in banded iron formations to determine its biological or abiotic origin. <i>Earth and Planetary Science Letters</i> , 2021, 568, 117052.	1.8	7
3286	Reactions of nitrite with goethite and surface Fe(II)-goethite complexes. <i>Science of the Total Environment</i> , 2021, 782, 146406.	3.9	13
3287	Impact of organic acids and sulfate on the biogeochemical properties of soil from urban subsurface environments. <i>Journal of Environmental Management</i> , 2021, 292, 112756.	3.8	8
3288	Direct and Indirect Reduction of Cr(VI) by Fermentative Fe(III)-Reducing <i>Cellulomonas</i> sp. Strain Cellu-2a. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1519-1525.	0.9	5
3289	Pathways of thymidine hypermodification. <i>Nucleic Acids Research</i> , 2022, 50, 3001-3017.	6.5	12

#	ARTICLE	IF	CITATIONS
3290	Oligo-heterotrophic Activity of <i>Marinobacter subterrani</i> Creates an Indirect Fe(II) Oxidation Phenotype in Gradient Tubes. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0136721.	1.4	4
3291	Deltaproteobacterium Strain KaireiS1, a Mesophilic, Hydrogen-Oxidizing and Sulfate-Reducing Bacterium From an Inactive Deep-Sea Hydrothermal Chimney. <i>Frontiers in Microbiology</i> , 2021, 12, 686276.	1.5	4
3292	“Triple locks” on soil organic carbon exerted by sphagnum acid in wetlands. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 315, 24-37.	1.6	6
3293	Greater nitrous and nitric oxide emissions from the soil between rows than under the canopy in subtropical tea plantations. <i>Geoderma</i> , 2021, 398, 115105.	2.3	16
3294	Consecutive Fe redox cycles decrease bioreducible Fe(III) and Fe isotope fractionations by eliminating small clay particles. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 118-135.	1.6	4
3295	Biological Reduction of Ferrihydrite with Silica Addition: Rates and Controlling Mechanisms. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2778-2791.	1.2	1
3296	Predictability of initial hydrogeochemical effects induced by short-term infiltration of 75°C hot water into a shallow glaciogenic aquifer. <i>Water Research X</i> , 2021, 13, 100121.	2.8	5
3297	Labile Fe(III) supersaturation controls nucleation and properties of product phases from Fe(II)-catalyzed ferrihydrite transformation. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 272-285.	1.6	24
3298	Indicator of redox in soil (IRIS) films as a water management tool for rice farmers. <i>Journal of Environmental Management</i> , 2021, 294, 112920.	3.8	7
3299	Technical note: Effects of iron(II) on fluorescence properties of dissolved organic matter at circumneutral pH. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4983-4993.	1.9	2
3300	Fe-catalyzed sulfide oxidation in hydrothermal plumes is a source of reactive oxygen species to the ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
3301	The structure of natural biogenic iron (oxyhydr)oxides formed in circumneutral pH environments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 237-255.	1.6	11
3302	Extracellular electron transfer via multiple electron shuttles in waterborne <i>Aeromonas hydrophila</i> for bioreduction of pollutants. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4760-4770.	1.7	7
3303	Iron-activated persulfate oxidation degrades aqueous Perfluorooctanoic acid (PFOA) at ambient temperature. <i>Chemosphere</i> , 2021, 281, 130824.	4.2	19
3304	Early Neoproterozoic oxygenation dynamics along the northern margin of the West African Craton, Anti-Atlas Mountains, Morocco. <i>Chemical Geology</i> , 2021, 581, 120404.	1.4	3
3305	Effects of nitrogen addition on anaerobic oxidation of methane in Zoige Plateau peatlands. <i>Ecological Indicators</i> , 2021, 129, 108018.	2.6	3
3306	Phosphorus cycling in freshwater lake sediments: Influence of seasonal water level fluctuations. <i>Science of the Total Environment</i> , 2021, 792, 148383.	3.9	17
3307	BTEX biodegradation is linked to bacterial community assembly patterns in contaminated groundwater ecosystem. <i>Journal of Hazardous Materials</i> , 2021, 419, 126205.	6.5	23

#	ARTICLE	IF	CITATIONS
3308	Enhanced topsoil P leaching in a short term flooded calcareous soil with combined straw and ammonium nitrogen incorporation. <i>Geoderma</i> , 2021, 402, 115322.	2.3	18
3309	Assessing the impacts of differential depositional settings and/or anthropogenic perturbations on sulfur and iron diagenesis in sediments of the Bohai Sea and North Yellow Sea. <i>Marine Pollution Bulletin</i> , 2021, 172, 112894.	2.3	2
3310	Facet-specific reactivity of hematite nanocrystals during Fe(II)-catalyzed recrystallization. <i>Chemical Geology</i> , 2021, 583, 120460.	1.4	8
3311	Benthic bioturbation: A canary in the mine for the retention and release of metals from estuarine sediments. <i>Marine Pollution Bulletin</i> , 2021, 172, 112912.	2.3	11
3312	Mechanisms for the dissolved biochar promoted iron dissolution and consequential chromium release. <i>Science of the Total Environment</i> , 2021, 796, 148923.	3.9	15
3313	Field-deployable method for iron analysis using a simple preconcentration procedure and a 3D portable spectrophotometric system. <i>Microchemical Journal</i> , 2021, 170, 106774.	2.3	6
3314	Redox dynamics of later Cambrian oceans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 581, 110623.	1.0	23
3315	Improving Fenton-like system with Catechin, an environmental-friendly polyphenol: Effects and mechanism. <i>Chemical Engineering Journal</i> , 2021, 426, 127946.	6.6	21
3316	Progressive development of ocean anoxia in the end-Permian pelagic Panthalassa. <i>Global and Planetary Change</i> , 2021, 207, 103650.	1.6	11
3317	Cost-efficient microbial electrosynthesis of hydrogen peroxide on a facile-prepared floating electrode by entrapping oxygen. <i>Bioresource Technology</i> , 2021, 342, 125995.	4.8	9
3318	An in-situ strategy to analyze multi-effect catalysis in iron-copper bimetal catalyzed Fenton-like processes. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120697.	10.8	14
3319	Influence of multistrain probiotic and iron supplementation on iron status in rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126849.	1.5	4
3320	More than redox, biological organic ligands control iron isotope fractionation in the riparian wetland. <i>Scientific Reports</i> , 2021, 11, 1933.	1.6	5
3321	Effects of Fe(III) Oxide Mineralogy and Phosphate on Fe(II) Secondary Mineral Formation during Microbial Iron Reduction. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 149.	0.8	19
3322	Characterization of landfill leachate molecular composition using ultrahigh resolution mass spectrometry. <i>Environmental Science: Water Research and Technology</i> , 0, , .	1.2	13
3323	Increasing Intracellular Levels of Iron with Ferric Ammonium Citrate Leads to Reduced P-glycoprotein Expression in Human Immortalised Brain Microvascular Endothelial Cells. <i>Pharmaceutical Research</i> , 2021, 38, 97-111.	1.7	4
3324	Engineering lithoheterotrophy in an obligate chemolithoautotrophic Fe(II) oxidizing bacterium. <i>Scientific Reports</i> , 2021, 11, 2165.	1.6	5
3325	Multifunctional system for combined chemodynamic and photodynamic therapy employing the endothelin axis based on conjugated polymer nanoparticles. <i>Polymer Chemistry</i> , 0, , .	1.9	7

#	ARTICLE	IF	CITATIONS
3327	Carbon Inputs From Riparian Vegetation Limit Oxidation of Physically Bound Organic Carbon Via Biochemical and Thermodynamic Processes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3188-3205.	1.3	58
3328	Enhancement of Fe(III), Co(III), and Cr(VI) Reduction at Elevated Temperatures and by a Thermophilic Bacterium. , 1996, , 923-932.		9
3329	Intercellular Junctions, Motility and Magnetosome Structure in a Multicellular Magnetotactic Prokaryote. , 1991, , 231-238.		2
3330	Effects of Glycyl-Histidyl-Lysyl Chelated Cu(II) on Ferritin Dependent Lipid Peroxidation. <i>Advances in Experimental Medicine and Biology</i> , 1990, 264, 79-84.	0.8	37
3331	Diagnostischer Wert der Serumferritinbestimmung bei der chronischen Infektanämie. , 1980, , 211-225.		2
3332	Redox Buffer Capacity Concept as a Tool for the Assessment of Long-Term Effects in Natural Attenuation / Intrinsic Remediation. , 2000, , 189-202.		3
3333	The chemistry of aquatic phosphate: inorganic processes in rivers. , 1993, , 1-16.		5
3334	Photochemical mobilization of ferritin iron. , 1991, , 89-94.		4
3335	Iron deficiency in mango trees. , 1991, , 339-344.		2
3336	Iron nutrition of <i>Trichodesmium</i> . , 1992, , 289-306.		88
3337	Hydrology and Chemistry of the Choptank River Basin. , 1998, , 387-397.		9
3338	ENZYMATIC REDUCTION OF IRON IN SIDEROPHORES. , 1993, , 241-250.		5
3339	Reduced graphene oxide decorated with magnetite nanoparticles enhance biomethane enrichment. <i>Journal of Hazardous Materials</i> , 2020, 397, 122760.	6.5	15
3340	Sequential injection analysis Ferrozine spectrophotometry versus Luminol chemiluminescence for continuous online monitoring of the concentration and speciation of iron. <i>Microchemical Journal</i> , 2020, 157, 104881.	2.3	2
3341	Arsenic mobilization affected by extracellular polymeric substances (EPS) of the dissimilatory iron reducing bacteria isolated from high arsenic groundwater. <i>Science of the Total Environment</i> , 2020, 735, 139501.	3.9	35
3342	The H(+)-ATPase from reticulocyte endosomes reconstituted into liposomes acts as an iron transporter.. <i>Journal of Biological Chemistry</i> , 1994, 269, 10242-10246.	1.6	34
3343	Characterization of a cyanobacterial photosystem I complex.. <i>Journal of Biological Chemistry</i> , 1985, 260, 646-654.	1.6	95
3344	Human 5-lipoxygenase contains an essential iron. <i>Journal of Biological Chemistry</i> , 1991, 266, 10058-10061.	1.6	121

#	ARTICLE	IF	CITATIONS
3345	Reduced nicotinamide adenine dinucleotide-nitrate reductase of <i>Chlorella vulgaris</i> . Purification, prosthetic groups, and molecular properties. <i>Journal of Biological Chemistry</i> , 1975, 250, 4120-4127.	1.6	128
3346	Overexpression and purification of ferric enterobactin esterase from <i>Escherichia coli</i> . Demonstration of enzymatic hydrolysis of enterobactin and its iron complex.. <i>Journal of Biological Chemistry</i> , 1992, 267, 12350-12355.	1.6	135
3347	Bovine liver mitochondrial monoamine oxidase is not an iron-dependent enzyme.. <i>Journal of Biological Chemistry</i> , 1982, 257, 887-888.	1.6	5
3348	Quercetin interaction with the (Ca ²⁺ + Mg ²⁺)-ATPase of sarcoplasmic reticulum.. <i>Journal of Biological Chemistry</i> , 1981, 256, 887-892.	1.6	132
3349	Inhibition of macrophage-dependent low density lipoprotein oxidation by nitric-oxide donors.. <i>Journal of Lipid Research</i> , 1995, 36, 1756-1762.	2.0	79
3350	Nanoanalytical Identification of Siderite Dissolution-Coupled Pb Removal Mechanisms from Oxidic and Anoxic Aqueous Solutions. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1966-1977.	1.2	2
3351	<i>In Situ</i> Biostimulation of Cr(VI) Reduction in a Fast-Flowing Oxidic Aquifer. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2018-2030.	1.2	2
3352	Reductive transformations of dichloroacetamide safeners: effects of agrochemical co-formulants and iron oxide + manganese oxide binary-mineral systems. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2104-2116.	1.7	7
3354	Deconstructing the redox cascade: what role do microbial exudates (flavins) play?. <i>Environmental Chemistry</i> , 2017, 14, 515.	0.7	18
3355	Labile forms of iron in coastal seawater: Otago Harbour, New Zealand. <i>Marine and Freshwater Research</i> , 2000, 51, 193.	0.7	14
3356	Spectrophotometric Determination of Trace Elements. <i>Critical Reviews in Analytical Chemistry</i> , 1981, 11, 195-260.	1.8	47
3357	Dispersal limitation and thermodynamic constraints govern spatial structure of permafrost microbial communities. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	62
3358	Ferric-reductase activities in whole cells and cell fractions of <i>Vibrio (Listonella) anguillarum</i> . <i>Microbiology (United Kingdom)</i> , 1996, 142, 3187-3193.	0.7	12
3359	<i>Raineyella antarctica</i> gen. nov., sp. nov., a psychrotolerant, d-amino-acid-utilizing anaerobe isolated from two geographic locations of the Southern Hemisphere. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 5529-5536.	0.8	26
3360	<i>Marinisporobacter balticus</i> gen. nov., sp. nov., <i>Desulfosporosinus nitroreducens</i> sp. nov. and <i>Desulfosporosinus fructosivorans</i> sp. nov., new spore-forming bacteria isolated from subsurface sediments of the Baltic Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1887-1893.	0.8	37
3361	<i>Stenotrophomonas maltophilia</i> produces an EntC-dependent catechol siderophore that is distinct from enterobactin. <i>Microbiology (United Kingdom)</i> , 2017, 163, 1590-1603.	0.7	27
3375	Ferrous/Ferric Ratio in DWPF Glass: Chemical and ⁵⁷ Fe Mössbauer Determinations. <i>Advanced Ceramic Materials</i> , 1988, 3, 337-340.	2.3	2
3377	Bacterial Respiration. , 0, , 539-557.		1

#	ARTICLE	IF	CITATIONS
3378	Reduction of Ferric Iron in Anaerobic, Marine Sediment and Interaction with Reduction of Nitrate and Sulfate. <i>Applied and Environmental Microbiology</i> , 1982, 43, 319-324.	1.4	317
3379	Effects of Iron Starvation on the Physiology of the Cyanobacterium <i>Agmenellum quadruplicatum</i> . <i>Applied and Environmental Microbiology</i> , 1983, 45, 999-1006.	1.4	39
3380	Initial Effects of the Mount St. Helens Eruption on Nitrogen Cycle and Related Chemical Processes in Ryan Lake. <i>Applied and Environmental Microbiology</i> , 1983, 45, 1633-1645.	1.4	18
3381	Availability of Ferric Iron for Microbial Reduction in Bottom Sediments of the Freshwater Tidal Potomac River. <i>Applied and Environmental Microbiology</i> , 1986, 52, 751-757.	1.4	630
3382	Microbial Iron Reduction by Enrichment Cultures Isolated from Estuarine Sediments. <i>Applied and Environmental Microbiology</i> , 1986, 52, 1167-1172.	1.4	84
3383	Rapid Assay for Microbially Reducible Ferric Iron in Aquatic Sediments. <i>Applied and Environmental Microbiology</i> , 1987, 53, 1536-1540.	1.4	823
3384	Degradation of the Ferric Chelate of EDTA by a Pure Culture of an <i>Agrobacterium</i> sp. <i>Applied and Environmental Microbiology</i> , 1990, 56, 3346-3353.	1.4	117
3385	Regulation of Dissimilatory Fe(III) Reduction Activity in <i>Shewanella putrefaciens</i> . <i>Applied and Environmental Microbiology</i> , 1990, 56, 2811-2817.	1.4	98
3386	Redox Cycling of Iron Supports Growth and Magnetite Synthesis by <i>Aquaspirillum magnetotacticum</i> . <i>Applied and Environmental Microbiology</i> , 1992, 58, 1102-1109.	1.4	54
3387	Virulence characteristics of clinical and environmental isolates of <i>Vibrio vulnificus</i> . <i>Applied and Environmental Microbiology</i> , 1992, 58, 2776-2782.	1.4	107
3388	Bacterial Disproportionation of Elemental Sulfur Coupled to Chemical Reduction of Iron or Manganese. <i>Applied and Environmental Microbiology</i> , 1993, 59, 101-108.	1.4	363
3389	Complete Oxidation of Propionate, Valerate, Succinate, and Other Organic Compounds by Newly Isolated Types of Marine, Anaerobic, Mesophilic, Gram-Negative, Sulfur-Reducing Eubacteria. <i>Applied and Environmental Microbiology</i> , 1993, 59, 1452-1460.	1.4	25
3390	Evidence for microbial iron reduction in a landfill leachate-polluted aquifer (Vejen, Denmark). <i>Applied and Environmental Microbiology</i> , 1994, 60, 3920-3925.	1.4	44
3391	Investigation of an Iron-Oxidizing Microbial Mat Community Located near Aarhus, Denmark: Field Studies. <i>Applied and Environmental Microbiology</i> , 1994, 60, 4022-4031.	1.4	212
3392	Distribution of bacterial populations in a stratified fjord (Mariager Fjord, Denmark) quantified by in situ hybridization and related to chemical gradients in the water column. <i>Applied and Environmental Microbiology</i> , 1996, 62, 1391-1404.	1.4	177
3393	Isolation and characterization of novel iron-oxidizing bacteria that grow at circumneutral pH. <i>Applied and Environmental Microbiology</i> , 1997, 63, 4784-4792.	1.4	501
3394	Ecophysiological Evidence that <i>Achromatium oxaliferum</i> Is Responsible for the Oxidation of Reduced Sulfur Species to Sulfate in a Freshwater Sediment. <i>Applied and Environmental Microbiology</i> , 1997, 63, 1905-1910.	1.4	26
3395	Humic Acid Reduction by <i>Propionibacterium freudenreichii</i> and Other Fermenting Bacteria. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4507-4512.	1.4	204

#	ARTICLE	IF	CITATIONS
3396	Localization and Solubilization of the Iron(III) Reductase of <i>Geobacter sulfurreducens</i> . Applied and Environmental Microbiology, 1998, 64, 3188-3194.	1.4	100
3397	Phototrophs in High-Iron-Concentration Microbial Mats: Physiological Ecology of Phototrophs in an Iron-Depositing Hot Spring. Applied and Environmental Microbiology, 1999, 65, 5474-5483.	1.4	92
3398	Iron-Oxidizing Bacteria Are Associated with Ferric Hydroxide Precipitates (Fe-Plaque) on the Roots of Wetland Plants. Applied and Environmental Microbiology, 1999, 65, 2758-2761.	1.4	234
3399	Siderophore production by <i>Vibrio cholerae</i> . Infection and Immunity, 1978, 20, 310-311.	1.0	47
3400	Assmilation of iron by pathogenic <i>Neisseria</i> spp. Infection and Immunity, 1981, 32, 592-599.	1.0	50
3401	Siderophore Production by Pathogenic <i>Neisseria</i> spp. Infection and Immunity, 1981, 32, 600-608.	1.0	62
3402	Siderophore production by <i>Vibrio vulnificus</i> . Infection and Immunity, 1983, 41, 644-649.	1.0	164
3403	Response of <i>Neisseria gonorrhoeae</i> to iron limitation: alterations in expression of membrane proteins without apparent siderophore production. Infection and Immunity, 1985, 47, 388-394.	1.0	206
3404	Iron uptake from lactoferrin and transferrin by <i>Neisseria gonorrhoeae</i> . Infection and Immunity, 1988, 56, 785-791.	1.0	131
3405	A pleiotropic iron-uptake mutant of <i>Neisseria meningitidis</i> lacks a 70-kilodalton iron-regulated protein. Infection and Immunity, 1988, 56, 977-983.	1.0	62
3406	Siderophore production and membrane alterations by <i>Bordetella pertussis</i> in response to iron starvation. Infection and Immunity, 1992, 60, 117-123.	1.0	43
3407	Effects of in vitro and in vivo growth conditions on expression of type 8 capsular polysaccharide by <i>Staphylococcus aureus</i> . Infection and Immunity, 1993, 61, 1853-1858.	1.0	104
3408	Binding and accumulation of hemin in <i>Porphyromonas gingivalis</i> are induced by hemin. Infection and Immunity, 1994, 62, 2885-2892.	1.0	92
3409	Utilization of iron-catecholamine complexes involving ferric reductase activity in <i>Listeria monocytogenes</i> . Infection and Immunity, 1997, 65, 2778-2785.	1.0	63
3410	Cloning and Characterization of an Outer Membrane Protein of <i>Vibrio vulnificus</i> Required for Heme Utilization: Regulation of Expression and Determination of the Gene Sequence. Infection and Immunity, 1998, 66, 3134-3141.	1.0	91
3411	Measurement of growth and iron deposition in <i>Sphaerotilus discophorus</i> . Journal of Bacteriology, 1976, 126, 257-263.	1.0	38
3412	Coordinate regulation by iron of the synthesis of phenolate compounds and three outer membrane proteins in <i>Escherichia coli</i> . Journal of Bacteriology, 1977, 131, 331-339.	1.0	131
3413	Photoferrotrophs Produce a PioAB Electron Conduit for Extracellular Electron Uptake. MBio, 2019, 10, .	1.8	40

#	ARTICLE	IF	CITATIONS
3414	Remediation of Metal- and Radionuclides-Contaminated Soils by In Situ Stabilization Techniques. , 2000, , 21-60.		21
3415	Enhanced Degradation of TNT and RDX by Bio-reduced Iron Bearing Soil Minerals. Advances in Environmental Research, 2012, 1, 1-14.	0.3	22
3416	Formation of surface mediated iron colloids during U(VI) and nZVI interaction. Advances in Environmental Research, 2013, 2, 167-177.	0.3	15
3417	Changes in Dry State Hemoglobin over Time Do Not Increase the Potential for Oxidative DNA Damage in Dried Blood. PLoS ONE, 2009, 4, e5110.	1.1	27
3418	What's New Is Old: Resolving the Identity of Leptothrix ochracea Using Single Cell Genomics, Pyrosequencing and FISH. PLoS ONE, 2011, 6, e17769.	1.1	85
3419	Importance of Boreal Rivers in Providing Iron to Marine Waters. PLoS ONE, 2014, 9, e107500.	1.1	55
3420	Use of an Electrochemical Split Cell Technique to Evaluate the Influence of Shewanella oneidensis Activities on Corrosion of Carbon Steel. PLoS ONE, 2016, 11, e0147899.	1.1	22
3421	Shewanella oneidensis MR-1-Induced Fe(III) Reduction Facilitates Roxarsone Transformation. PLoS ONE, 2016, 11, e0154017.	1.1	16
3422	Factors limiting sulfolane biodegradation in contaminated subarctic aquifer substrate. PLoS ONE, 2017, 12, e0181462.	1.1	27
3423	Candida albicans Inhibits Pseudomonas aeruginosa Virulence through Suppression of Pyochelin and Pyoverdine Biosynthesis. PLoS Pathogens, 2015, 11, e1005129.	2.1	111
3424	Expedition 370 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	8
3425	A New Trace Ferrous Metal Detection Reagent. Journal of Forensic Sciences, 1976, 21, 625-628.	0.9	15
3426	The Detection of Iron Traces on Hands by Ferrozine Sprays: A Report on the Sensitivity and Interference of the Method and Recommended Procedure in Forensic Science Investigation. Journal of Forensic Sciences, 1986, 31, 920-930.	0.9	13
3427	Preparation and Certification of Uranium Oxide (U3O8) Spectrometric Reference Materials. Journal of Testing and Evaluation, 1991, 19, 83-88.	0.4	1
3430	Fate of nickel ion in (II-III) hydroxysulphate green rust synthesized by precipitation and coprecipitation. Revista Brasileira De Ciencia Do Solo, 2007, 31, 813-818.	0.5	8
3431	Alterações provocadas pela irradiação e armazenamento nos teores de ferro heme em carne de frango. Food Science and Technology, 2007, 27, 303-306.	0.8	2
3432	Efeito da irradiação em carne de coelho congelada. Food Science and Technology, 2010, 30, 30-34.	0.8	2
3433	Genesis and Quality of Groundwater in the Southeastern Region of Southern Vietnam. Journal of Environmental Science and Engineering - A, 2017, 6, .	0.1	3

#	ARTICLE	IF	CITATIONS
3434	Effects of Fe ²⁺ and S ²⁻ transportation at sediment-water interface to the black bloom formation. Hupo Kexue/Journal of Lake Sciences, 2016, 28, 1175-1184.	0.3	2
3435	Design of in situ Solid-Phase Extraction for a Simple and Rapid Preconcentration of Trace Chemical Species for Field Work and Its Application to the Speciation of Environmental Water Samples. Bunseki Kagaku, 2005, 54, 1061-1073.	0.1	4
3437	Antimicrobial and Antioxidant Properties of <i>Satureja Montana</i> L. and <i>S. Subspicata</i> Vis. (Lamiaceae). Current Drug Targets, 2015, 16, 1623-1633.	1.0	25
3438	Effects of Phosphate on Secondary Mineral Formation During the Bioreduction of Akaganeite (γ-FeOOH): Green Rust Versus Framboidal Magnetite. Current Inorganic Chemistry, 2015, 5, 214-224.	0.2	19
3439	Enriching Acidophilic Fe(II)-oxidizing Bacteria in No-flow, Fed-batch Systems. Bio-protocol, 2017, 7, e2130.	0.2	1
3441	Rice straw and sugarcane bagasse degradation mimicking lignocellulose decay in nature: An alternative approach to biorefinery. ScienceAsia, 2012, 38, 364.	0.2	28
3442	Hepcidin and iron: novel findings for elite female rugby Sevens players. Journal of Sports Medicine and Physical Fitness, 2020, 60, 289-293.	0.4	3
3443	Sustained, autonomous coastal nutrient observations aboard moorings and vertical profilers. , 2009, , ,		2
3444	Ca ²⁺ -Fe oxide granules as potential phosphate barrier material for critical source areas: a laboratory study of P retention and release. Agricultural and Food Science, 2012, 21, 224-236.	0.3	4
3445	The role of air masses on iron concentrations in wet atmospheric deposition over the urbanized coastal zone of the Gulf of Gdańsk. Oceanological and Hydrobiological Studies, 2008, 37, 21-37.	0.3	8
3446	Basic ferritin content of red cells of patients with anemia and polycythemia vera. Pathology, 1984, 16, 419-423.	0.3	4
3454	Effect of Iron on Resuscitation of <i>Tenacibaculum</i> sp., the Causative Bacterium of Spotting Disease of Short-Spined Sea Urchin <i>Strongylocentrotus intermedius</i> , from the Viable but Non-culturable (VBNC) State. Fish Pathology, 2006, 41, 1-6.	0.4	4
3455	Changes in benthic sediment conditions under an Atlantic salmon farm at a deep, well-flushed coastal site. Aquaculture Environment Interactions, 2014, 5, 29-47.	0.7	63
3456	Effects of finfish aquaculture on biogeochemistry and bacterial communities associated with sulfur cycles in highly sulfidic sediments. Aquaculture Environment Interactions, 2018, 10, 413-427.	0.7	21
3457	Carbon and nitrogen mineralization in sediments of the Bangrong mangrove area, Phuket, Thailand. Aquatic Microbial Ecology, 2000, 22, 199-213.	0.9	141
3458	Impact of <i>Arenicola marina</i> (Polychaeta) on sediment sulfur dynamics. Aquatic Microbial Ecology, 2003, 33, 95-105.	0.9	35
3459	Effects of seasonal dynamics in a <i>Zostera noltii</i> meadow on phosphorus and iron cycles in a tidal mudflat (Arcachon Bay, France). Marine Ecology - Progress Series, 2008, 355, 59-71.	0.9	43
3460	Phytoplankton diversity and photosynthetic acclimation along a longitudinal transect through a shallow estuary in summer. Marine Ecology - Progress Series, 2008, 364, 31-46.	0.9	4

#	ARTICLE	IF	CITATIONS
3461	Acetate-utilizing microbial communities revealed by stable-isotope probing in sediment underlying the upwelling system of the Ulleung Basin, East Sea. <i>Marine Ecology - Progress Series</i> , 2020, 634, 45-61.	0.9	4
3462	Benthic carbon mineralization in a high-Arctic sound (Young Sound, NE Greenland). <i>Marine Ecology - Progress Series</i> , 2000, 206, 59-71.	0.9	71
3463	Effects of nitrate, phosphate and iron on the growth of macroalgae and benthic cyanobacteria from Cocos Lagoon, Guam. <i>Marine Ecology - Progress Series</i> , 2001, 222, 63-72.	0.9	80
3464	Effects of bioturbation and plant roots on salt marsh biogeochemistry: a mesocosm study. <i>Marine Ecology - Progress Series</i> , 2002, 241, 71-87.	0.9	71
3465	Impact of fiddler crabs and plant roots on sediment biogeochemistry in a Georgia saltmarsh. <i>Marine Ecology - Progress Series</i> , 2003, 259, 237-251.	0.9	153
3466	Seasonal patterns of nitrogen fixation and denitrification in oceanic mangrove habitats. <i>Marine Ecology - Progress Series</i> , 2006, 307, 127-141.	0.9	72
3467	Biogeochemical implications for phosphorus cycling in sandy and muddy rhizosphere sediments of <i>Zostera marina</i> meadows (Denmark). <i>Marine Ecology - Progress Series</i> , 2006, 320, 141-151.	0.9	33
3468	Carbon mineralization in Arctic sediments northeast of Svalbard: Mn(IV) and Fe(III) reduction as principal anaerobic respiratory pathways. <i>Marine Ecology - Progress Series</i> , 2006, 322, 15-27.	0.9	53
3469	Pathways of carbon oxidation in an Arctic fjord sediment (Svalbard) and isolation of psychrophilic and psychrotolerant Fe(III)-reducing bacteria. <i>Marine Ecology - Progress Series</i> , 2006, 322, 29-41.	0.9	39
3470	Behavior of organically-bound iron in Lake Ohnuma.. <i>Japanese Journal of Limnology</i> , 1982, 43, 182-188.	0.1	7
3472	Comparison of Sulfate Reduction Rates Associated with Geochemical Characteristics at the Continental Slope and Basin Sediments in the Ulleung Basin, East Sea. <i>Ocean and Polar Research</i> , 2010, 32, 299-307.	0.3	3
3473	Rates of Sulfate Reduction and Iron Reduction in the Sediment Associated with Abalone Aquaculture in the Southern Coastal Waters of Korea. <i>Ocean and Polar Research</i> , 2011, 33, 435-445.	0.3	16
3474	Simultaneous Separation and Quantification of Iron and Transition Species Using LC-ICP-MS. <i>American Journal of Analytical Chemistry</i> , 2011, 02, 675-682.	0.3	19
3479	CÅzeaux-Aulnat-Opme-Puy De DÃme: a multi-site for the long-term survey of the tropospheric composition and climate change. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3413-3445.	1.2	26
3480	Impact of reactive surfaces on the abiotic reaction between nitrite and ferrous iron and associated nitrogen and oxygen isotope dynamics. <i>Biogeosciences</i> , 2020, 17, 4355-4374.	1.3	8
3488	Effectiveness of mixtures of vivianite and organic materials in preventing iron chlorosis in strawberry. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 208.	0.3	10
3489	Phosphorus Cycling at the Sediment-Water Interface in a Eutrophic Environment of Tokyo Bay, Japan. <i>Oceanography in Japan</i> , 2003, 12, 501-516.	0.5	9
3490	Oxidation of green rust by anoxygenic phototrophic Fe(II)-oxidising bacteria. <i>Geochemical Perspectives Letters</i> , 0, , 52-57.	1.0	12

#	ARTICLE	IF	CITATIONS
3491	Blood composition of the reindeer. I. Haematology. Rangifer, 1981, 1, 10.	0.6	5
3492	Ferric iron reductase activity of LuxG from Photobacterium leiognathi. Korean Journal of Microbiology, 2016, 52, 495-499.	0.2	1
3493	Biotic and Abiotic Reduction of Goethite (\pm -FeOOH) by Subsurface Microorganisms in the Presence of Electron Donor and Sulfate. Journal of Soil and Groundwater Environment, 2014, 19, 54-62.	0.1	2
3494	Iron Extraction Characteristics of Sediment Samples from a River Bank Filtration Site. Journal of the Mineralogical Society of Korea, 2013, 26, 129-138.	0.2	3
3495	Quantum chemical insight into the effects of the local electron environment on T2*-based MRI. Scientific Reports, 2021, 11, 20817.	1.6	4
3497	Microbial chemolithotrophic oxidation of pyrite in a subsurface shale weathering environment: Geologic considerations and potential mechanisms. Geobiology, 2022, 20, 271-291.	1.1	4
3498	Assessment of serum iron stores in regular plateletpheresis donors. Transfusion and Apheresis Science, 2022, 61, 103291.	0.5	7
3499	Foraminiferal Mn/Ca as Bottomâ€Water Hypoxia Proxy: An Assessment of <i>Nonionella stella</i> in the Santa Barbara Basin, USA. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004167.	1.3	5
3500	Biogenic Sulfidation of U(VI) and Ferrihydrite Mediated by Sulfate-Reducing Bacteria at Elevated pH. ACS Earth and Space Chemistry, 2021, 5, 3075-3086.	1.2	4
3501	A coupled function of biochar as geobattery and geoconductor leads to stimulation of microbial Fe(III) reduction and methanogenesis in a paddy soil enrichment culture. Soil Biology and Biochemistry, 2021, 163, 108446.	4.2	19
3503	SPECIATION FE(II)/FE(III) IN CLOUD DROPLETS. Journal of Aerosol Science, 2001, 32, 277-278.	1.8	0
3504	Abnormalities of Iron Homeostasis in the Pregnancy Syndrome Pre-Eclampsia. , 2002, , 611-615.		0
3509	Effects of Extraction Method on the Carnosine, Protein, and Iron Contents of Eel (<i>Anguilla japonica</i>) Extracts. Han'guk Susan Hakhoe Chi = Bulletin of the Korean Fisheries Society, 2006, 39, 384-390.	0.1	1
3513	Antioxidant Effects of Carnosine Extracted from the Eel <i>Anguilla japonica</i> . Han'guk Susan Hakhoe Chi = Bulletin of the Korean Fisheries Society, 2007, 40, 193-200.	0.1	1
3514	Behavior of Fecal Bacteria in a Coastal Urban River. Journal of Environmental Conservation Engineering, 2009, 39, 170-176.	0.0	0
3515	SEDIMENT PORE-WATER INTERACTIONS ASSOCIATED WITH ARSENIC AND URANIUM TRANSPORT WITHIN A URANIUM MINING-IMPACTED WATERSHED IN SOUTH DAKOTA. Journal of the American Society of Mining and Reclamation, 2011, 2011, 618-634.	0.3	0
3516	Estimation of in-situ sediment nutrients release at the submerged plant induced black bloom area in Lake Taihu. Hupo Kexue/Journal of Lake Sciences, 2014, 26, 177-184.	0.3	0
3517	Forms of iron in the oxygenated waters of Esthwaite Water, U.K., 1982, , 383-393.		6

#	ARTICLE	IF	CITATIONS
3518	The Glaciochemistry of Snow-Pits from Quelccaya Ice Cap, Peru, 1982. <i>Annals of Glaciology</i> , 1985, 7, 84-88.	2.8	1
3521	Spektralphotometrische Analysenmethoden. , 1989, , 89-146.		0
3522	Genetic Characterization of a Magnetic Bacterium <i>Aquaspirillum</i> sp. , 1991, , 363-367.		1
3524	The influence of light and nutrient addition upon the sediment chemistry of iron in an arctic lake. , 1992, , 91-101.		1
3527	Iron-bound phosphorus in marine sediments as measured by bicarbonate-dithionite extraction. , 1993, , 47-59.		42
3528	Teneurs Plasmatique et Veineuse en Composés Actifs de l'acide Thiobarbiturique (Lipoperoxydes) en Acide Ascorbique et en Fer Total chez les Sujets sains ou Variqueux. , 1995, , 141-143.		0
3531	Characterization of iron deficiency response system with riboflavin secretion in some dicotyledonous plants. , 1997, , 277-278.		1
3534	Effects of Extracellular Electron Shuttles on Microbial Iron Reduction and Heavy Metals Release from Contaminated Soils. <i>Journal of Soil and Groundwater Environment</i> , 2014, 19, 16-24.	0.1	1
3539	Study on Environmental Conditions Leading to Acceleration of Yellowboy Formation in Streams by Iron in Mine Drainage. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2016, 53, 263-271.	0.1	0
3541	Soluble and Solid Iron Reduction Assays with <i>Desulfitobacterium hafniense</i> . <i>Bio-protocol</i> , 2018, 8, e3002.	0.2	0
3544	The Reaction and Chemical Analysis. <i>Springer Briefs in Molecular Science</i> , 2019, , 19-24.	0.1	0
3545	Soluble peptidoglycan production from the waste peels of pineapple <i>Ananas comosus</i> (L.) Merr.. <i>Fruits</i> , 2019, 74, 38-51.	0.3	2
3546	Behaviors of nitrogen, iron and sulfur compounds in contaminated marine sediment. <i>Environmental Engineering Research</i> , 2020, 25, 274-280.	1.5	2
3547	A Study on the Influence of Release Characteristics of Phosphorus Fraction in the Sediment1a. <i>Han'gug Hwan'gyeong Saengtae Haghoeji = Korean Journal of Environment and Ecology</i> , 2019, 33, 228-236.	0.1	0
3554	Correlation between Characteristics of SOD in Coastal Sewage and Predictive Factor1a. <i>Han'gug Hwan'gyeong Saengtae Haghoeji = Korean Journal of Environment and Ecology</i> , 2019, 33, 596-604.	0.1	0
3560	<i>Isachenkonkia alkalipeptolytica</i> gen. nov. sp. nov., a new anaerobic, alkaliphilic proteolytic bacterium capable of reducing Fe(III) and sulfur. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4730-4738.	0.8	10
3561	Soluble, Colloidal, and Particulate Iron Across the Hydrothermal Vent Mixing Zones in Broken Spur and Rainbow, Mid-Atlantic Ridge. <i>Frontiers in Microbiology</i> , 2021, 12, 631885.	1.5	7
3562	Antibacterial Mechanisms of Reduced Iron-Containing Smectite-Illite Clay Minerals. <i>Environmental Science & Technology</i> , 2021, 55, 15256-15265.	4.6	20

#	ARTICLE	IF	CITATIONS
3563	An <i>In Situ</i> Analyzer for Two-Dimensional Fe(II) Distribution in Sediment Pore Water Based on Ferrozine Coloration and Computer Imaging Densitometry. <i>ACS Omega</i> , 2020, 5, 31551-31558.	1.6	2
3564	Sampling pore water at a centimeter resolution in sandy permeable sediments of lakes, streams, and coastal zones. <i>Limnology and Oceanography: Methods</i> , 2021, 19, 96-114.	1.0	6
3565	Functional Foods for Management of Diarrhea and Malnutrition in Rats Emphasizing on Nucleotides Role. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2020, 11, 257-270.	0.5	0
3567	Microbiology of a multi-layer biosolid/desulfurized tailings cover on a mill tailings impoundment. <i>Journal of Environmental Management</i> , 2022, 302, 114030.	3.8	7
3568	Unravelling discolouration caused by iron-flavonoid interactions: Complexation, oxidation, and formation of networks. <i>Food Chemistry</i> , 2022, 370, 131292.	4.2	21
3569	Incorporating concentration-dependent sediment microbial activity into methylmercury production kinetics modeling. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1392-1405.	1.7	1
3572	Influence of Manila clam aquaculture on rates and partitioning of organic carbon oxidation in sediment of Keunso Bay, Yellow Sea. <i>Aquaculture Environment Interactions</i> , 2020, 12, 91-103.	0.7	6
3573	Biocompatible Materials Enabled by Biobased Production of Pyomelanin Isoforms Using an Engineered <i>Yarrowia lipolytica</i> . <i>Advanced Functional Materials</i> , 2022, 32, 2109366.	7.8	5
3575	<i>Fusibacter ferrireducens</i> sp. nov., an anaerobic, Fe(â..ç)- and sulphur-reducing bacterium isolated from mangrove sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	12
3578	Geochemical Controls on Release and Speciation of Fe(II) and Mn(II) From Hyporheic Sediments of East River, Colorado. <i>Frontiers in Water</i> , 2020, 2, .	1.0	7
3579	Biogeochemical Properties of Phosphorus During Summer in the Sediment of Yeongsan River, Lake and Estuary. <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2020, 23, 286-296.	0.1	1
3580	EFFECTS AND RISK ASSESSMENT OF LINEAR ALKYL BENZENE SULFONATES IN AGRICULTURAL SOIL. 1. SHORT-TERM EFFECTS ON SOIL MICROBIOLOGY. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1656.	2.2	25
3581	Prospects of utilizing a multifarious yeast (MSD1), isolated from South Indian coast as an Agricultural input. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 39, 102232.	1.5	4
3582	Effect of dredging and capping with clean soil on the mitigation of algae-induced black blooms in Lake Taihu, China: A simulation study. <i>Journal of Environmental Management</i> , 2022, 302, 114106.	3.8	10
3583	Anisotropic oxidative growth of goethite-coated sand particles in column reactors during 4-chloronitrobenzene reduction by Fe($\text{Fe}(\text{OH})_3$)/goethite. <i>Environmental Science: Nano</i> , 2022, 9, 275-288.	2.2	3
3584	On the use of orchards to support soil aquifer treatment systems. <i>Agricultural Water Management</i> , 2022, 260, 107315.	2.4	6
3585	Upscaling of Denitrification Rates from Point to Catchment Scales for Modeling of Nitrate Transport and Retention. <i>Environmental Science & Technology</i> , 2021, 55, 15821-15830.	4.6	6
3586	Rescuing activity of oxygen-damaged pyruvate formate-lyase by a spare part protein. <i>Journal of Biological Chemistry</i> , 2021, 297, 101423.	1.6	5

#	ARTICLE	IF	CITATIONS
3587	Anammox bacteria drive fixed nitrogen loss in hadal trench sediments. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
3588	Facile fabrication of Fe-TiO ₂ thin film and its photocatalytic activity. Environmental Science and Pollution Research, 2022, 29, 23292-23302.	2.7	11
3589	Proteomic Analysis of a Syntrophic Coculture of Syntrophobacter fumaroxidans MPOBT and Geobacter sulfurreducens PCAT. Frontiers in Microbiology, 2021, 12, 708911.	1.5	3
3591	Unraveling Fe(II)-Oxidizing Mechanisms in a Facultative Fe(II) Oxidizer, Sideroxydans lithotrophicus Strain ES-1, via Culturing, Transcriptomics, and Reverse Transcription-Quantitative PCR. Applied and Environmental Microbiology, 2022, 88, AEM0159521.	1.4	14
3593	Sulfate- and iron-dependent anaerobic methane oxidation occurring side-by-side in freshwater lake sediment. Limnology and Oceanography, 2022, 67, 231-246.	1.6	11
3595	Growth of microaerophilic Fe(II)-oxidizing bacteria using Fe(II) produced by Fe(III) photoreduction. Geobiology, 2022, 20, 421-434.	1.1	2
3596	Influence of Fe(III) source, light quality, photon flux and presence of oxygen on photoreduction of Fe(III)-organic complexes - Implications for light-influenced coastal freshwater and marine sediments. Science of the Total Environment, 2022, 814, 152767.	3.9	5
3597	Enhanced phosphorus mobility in a calcareous soil with organic amendments additions: Insights from a long term study with equal phosphorus input. Journal of Environmental Management, 2022, 306, 114451.	3.8	15
3598	Effect of Navayasa Lauha, an ayurvedic herbomineral formulation on experimentally-induced iron deficiency anemia. Ancient Science of Life: Journal of International Institute of Ayurveda, 2018, 37, 180.	0.3	0
3600	Potential Solubility of Zinc, Nickel, and Copper from the Soil of a Contaminated Industrial Site Under Flooding and Drainage. SSRN Electronic Journal, 0, , .	0.4	0
3601	Determination of the heating efficiency of magnetotactic bacteria in alternating magnetic field. Journal of Oceanology and Limnology, 2021, 39, 2116-2126.	0.6	3
3602	Density and size-dependent bioturbation effects of the infaunal polychaete <i>Nephtys incisa</i> on sediment biogeochemistry and solute exchange. Journal of Marine Research, 2021, 79, 181-220.	0.3	4
3604	Ancient and Modern Geochemical Signatures in the 13,500-Year Sedimentary Record of Lake Cadagno. Frontiers in Earth Science, 2022, 9, .	0.8	7
3605	Population structure and environmental niches of Rimicaris shrimps from the Mid-Atlantic Ridge. Marine Ecology - Progress Series, 2022, 684, 1-20.	0.9	10
3606	Neptunium and Uranium Interactions with Environmentally and Industrially Relevant Iron Minerals. Minerals (Basel, Switzerland), 2022, 12, 165.	0.8	2
3607	Chromium (VI) Inhibition of Low pH Bioleaching of Limonitic Nickel-Cobalt Ore. Frontiers in Microbiology, 2021, 12, 802991.	1.5	4
3608	Insights into tropical cloud chemistry in RÅ©union (Indian Ocean): results from the BIO-MAÃDO campaign. Atmospheric Chemistry and Physics, 2022, 22, 505-533.	1.9	6
3609	Tectonic hydrogen and tectonic oxygen production through deforming piezoelectric minerals in the presence of water. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3610	Purification and structural elucidation of a cobalamin-dependent radical SAM enzyme. <i>Methods in Enzymology</i> , 2022, , .	0.4	0
3611	Export of Organic Carbon from Reduced Fine-Grained Zones Governs Biogeochemical Reactivity in a Simulated Aquifer. <i>Environmental Science & Technology</i> , 2022, 56, 2738-2746.	4.6	8
3612	Enhanced Cr(VI) reduction in biocathode microbial electrolysis cell using Fenton-derived ferric sludge. <i>Water Research</i> , 2022, 212, 118144.	5.3	16
3613	Development of a CRISPR interference system for selective gene knockdown in <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 105-109.	1.1	12
3614	The influence of iron-binding ligands in the corrosion of carbon steel driven by iron-reducing bacteria. <i>Npj Materials Degradation</i> , 2022, 6, .	2.6	5
3615	Comparative Study of Roxarsone Reduction by <i>Shewanella oneidensis</i> MR-1 and <i>Cellulomonas</i> sp. Strain <i>Cellu-2a</i> . <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1839.	1.3	3
3616	Organic carbon mineralization pathways in the muddy sediments of the South Yellow Sea: Insights from steady-state modeling of porewater. <i>Applied Geochemistry</i> , 2022, 138, 105237.	1.4	3
3617	The HBx protein from hepatitis B virus coordinates a redox-active Fe-S cluster. <i>Journal of Biological Chemistry</i> , 2022, 298, 101698.	1.6	8
3618	Facile liquid colorimetric sensor using high-density deep eutectic solvent for trace detection and speciation of iron in milk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 121020.	2.0	2
3619	Extracellular electron transfer increases fermentation in lactic acid bacteria via a hybrid metabolism. <i>ELife</i> , 2022, 11, .	2.8	33
3620	Cryoturbation impacts iron-organic carbon associations along a permafrost soil chronosequence in northern Alaska. <i>Geoderma</i> , 2022, 413, 115738.	2.3	17
3621	Alginate promotes soil phosphorus solubilization synergistically with redox-active antibiotics through Fe(III) reduction. <i>Environmental Science: Nano</i> , 2022, 9, 1699-1711.	2.2	5
3622	Heterogeneity of Nitrate Reduction Indicators Across a Tile Drained Agricultural Catchment in East Jutland, Denmark. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
3623	Methanogen Productivity and Microbial Community Composition Varies With Iron Oxide Mineralogy. <i>Frontiers in Microbiology</i> , 2021, 12, 705501.	1.5	8
3624	Biogeochemical Niches of Fe-Cycling Communities Influencing Heavy Metal Transport along the Rio Tinto, Spain. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0229021.	1.4	6
3625	<i>Deferrivibrio essentukiensis</i> sp. nov., gen. nov., a Representative of <i>Deferrivibrionaceae</i> fam. nov., Isolated from the Subsurface Aquifer of Caucasian Mineral Drinking Waters. <i>Microbiology</i> , 2022, 91, 143-159.	0.5	5
3626	Seasonal Fluctuations in Iron Cycling in Thawing Permafrost Peatlands. <i>Environmental Science & Technology</i> , 2022, 56, 4620-4631.	4.6	17
3627	The core root microbiome of <i>Spartina alterniflora</i> is predominated by sulfur-oxidizing and sulfate-reducing bacteria in Georgia salt marshes, USA. <i>Microbiome</i> , 2022, 10, 37.	4.9	22

#	ARTICLE	IF	CITATIONS
3628	Methane production controls in a young thermokarst lake formed by abrupt permafrost thaw. <i>Global Change Biology</i> , 2022, 28, 3206-3221.	4.2	7
3629	Efficient anaerobic sediment processing via a novel sediment core extruder. <i>MethodsX</i> , 2022, 9, 101664.	0.7	1
3630	Oxidation of ferromoxytol by ionizing radiation releases iron. An electron paramagnetic resonance study. <i>Journal of Radiation Research</i> , 2022, 63, 378-384.	0.8	6
3631	Effects of Calcium on Arsenate Adsorption and Arsenate/Iron Bioreduction of Ferrihydrite in Stimulated Groundwater. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3465.	1.2	7
3632	Rice husk and charred husk amendments increase porewater and plant Si but water management determines grain As and Cd concentration. <i>Plant and Soil</i> , 2022, 477, 135-152.	1.8	7
3633	Enhanced Degradation of Paracetamol by the Fe(III)-Sulfite System under UVA Irradiation. <i>Molecules</i> , 2022, 27, 2248.	1.7	2
3634	Microbial iron cycling during palsa hillslope collapse promotes greenhouse gas emissions before complete permafrost thaw. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	11
3635	The importance of biofilm formation for cultivation of a Micrarchaeon and its interactions with its Thermoplasmatales host. <i>Nature Communications</i> , 2022, 13, 1735.	5.8	12
3636	Stability and molecular fractionation of ferrihydrite-bound organic carbon during iron reduction by dissolved sulfide. <i>Chemical Geology</i> , 2022, 594, 120774.	1.4	15
3637	Effects of depth and overgrowth of ephemeral macroalgae on a remote subtidal NE Atlantic eelgrass (<i>Zostera marina</i>) community. <i>Marine Pollution Bulletin</i> , 2022, 177, 113497.	2.3	0
3639	Substrate-Triggered $\frac{1}{4}$ -Peroxodiiron(III) Intermediate in the 4-Chloro-Lysine-Fragmenting Heme-Oxygenase-like Diiron Oxidase (HDO) BesC: Substrate Dissociation from, and C4 Targeting by, the Intermediate. <i>Biochemistry</i> , 2022, 61, 689-702.	1.2	13
3640	Sunlight Degradation of the Aminophosphonate Diethylenetriamine Penta-(Methylenephosphonic) Tj ETQq1 1 0.784314 rgBT ₃ /Overlock	0.9	0
3641	Microbial bioremediation of produced water under different redox conditions in marine sediments. <i>Water Research</i> , 2022, 218, 118428.	5.3	3
3642	Early Archean biogeochemical iron cycling and nutrient availability: New insights from a 3.5 Ga land-sea transition. <i>Earth-Science Reviews</i> , 2022, 228, 103992.	4.0	12
3643	Shifts in benthic bacterial communities associated with farming stages and a microbiological proxy for assessing sulfidic sediment conditions at fish farms. <i>Marine Pollution Bulletin</i> , 2022, 178, 113603.	2.3	7
3644	Design and characterization of Ca-Fe(III) pyrophosphate salts with tunable pH-dependent solubility for dual-fortification of foods. <i>Journal of Functional Foods</i> , 2022, 92, 105066.	1.6	2
3645	Flooding and drainage induced abiotic reactions control metal solubility in soil of a contaminated industrial site. <i>Chemosphere</i> , 2022, 297, 134032.	4.2	6
3646	Striking dual functionality of iron pyrite-graphene oxide nanocomposites in water treating and water splitting reactions. <i>Chemical Engineering Journal</i> , 2022, 442, 136201.	6.6	5

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3648	Improvement of Growth Retardation and Related Immunodeficiency by Dietary Intervention with Crackers Containing Animal Source Ingredients in Malnourished Rats. <i>Current Research in Nutrition and Food Science</i> , 2021, 9, 875-889.	0.3	2
3649	Burial of microplastics in freshwater sediments facilitated by iron-organo floccs. <i>Scientific Reports</i> , 2021, 11, 24072.	1.6	17
3650	Microbial iron reduction does not release microplastics from organo-metallic aggregates. <i>Limnology and Oceanography Letters</i> , 2022, 7, 244-250.	1.6	0
3651	The effect of silicon on the kinetics of rice root iron plaque formation. <i>Plant and Soil</i> , 2022, 477, 171-181.	1.8	10
3652	The fate of co-existent cadmium and arsenic during Fe(II)-induced transformation of As(V)/Cd(II)-bearing ferrihydrite. <i>Chemosphere</i> , 2022, 301, 134665.	4.2	23
3653	Retention of immobile Se(0) in flow-through aquifer column systems during bioreduction and oxic-remobilization. <i>Science of the Total Environment</i> , 2022, 834, 155332.	3.9	3
3654	Rapid remediation of sandy sulfuric subsoils using straw-derived dissolved organic matter. <i>Geoderma</i> , 2022, 420, 115875.	2.3	3
3655	Assessing the enhanced reduction effect with the addition of sulfate based P inactivating material during algal bloom sedimentation. <i>Chemosphere</i> , 2022, 300, 134656.	4.2	0
3716	Relationship between serum ferritin, iron stores and disease activity in rheumatoid arthritis. <i>Research in Clinic and Laboratory</i> , 1986, 16, 463-469.	0.3	8
3717	Construction of bacterial artificial chromosome library from electrochemical microorganisms. <i>FEMS Microbiology Letters</i> , 2004, 238, 65-70.	0.7	5
3718	Hepcidin-orchestrated Hemogram and Iron Homeostatic Patterns in Two Models of Subchronic Hepatic injury. <i>Biomedical and Environmental Sciences</i> , 2019, 32, 153-161.	0.2	5
3719	Expanding the Paradigm: The influence of climate and lithology on soil phosphorus. <i>Geoderma</i> , 2022, 421, 115809.	2.3	9
3720	Quantification of Organic Carbon Sequestered by Biogenic Iron Sulfide Minerals in Long-Term Anoxic Laboratory Incubations. <i>Frontiers in Microbiology</i> , 2022, 13, 662219.	1.5	7
3721	Multiple Groups of Methanotrophic Bacteria Mediate Methane Oxidation in Anoxic Lake Sediments. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	4
3722	Salinity Impact on Composition and Activity of Nitrate-Reducing Fe(II)-Oxidizing Microorganisms in Saline Lakes. <i>Applied and Environmental Microbiology</i> , 2022, , e0013222.	1.4	2
3723	Investigating Abiotic and Biotic Mechanisms of Pyrite Reduction. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	10
3724	Investigating Nanoscale Electron Transfer Processes at the Cell-Mineral Interface in Cobalt-Doped Ferrihydrite Using <i>Geobacter sulfurreducens</i> : A Multi-Technique Approach. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	2
3725	Long-term incubations provide insight into the mechanisms of anaerobic oxidation of methane in methanogenic lake sediments. <i>Biogeosciences</i> , 2022, 19, 2313-2331.	1.3	6

#	ARTICLE	IF	CITATIONS
3726	Effect of Environmental pH on Mineralization of Anaerobic Iron-Oxidizing Bacteria. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	3
3727	Higher dissolved oxygen levels promote downward migration of phosphorus in the sediment profile: Implications for lake restoration. <i>Chemosphere</i> , 2022, 301, 134705.	4.2	10
3728	Effects of organic sulfur and arsenite/dissolved organic matter ratios on arsenite complexation with dissolved organic matter. <i>Chemosphere</i> , 2022, 302, 134770.	4.2	8
3729	Light-induced coupling process of Fe redox cycling and natural dissolved organic matters oxidative decomposition at goethite surface: Key role of reactive oxidative species. <i>Chemical Geology</i> , 2022, 603, 120928.	1.4	9
3730	Differential Behavior of Metal Sulfides in Hydrothermal Plumes and Diffuse Flows. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1429-1442.	1.2	3
3731	Mineralogical control on methylotrophic methanogenesis and implications for cryptic methane cycling in marine surface sediment. <i>Nature Communications</i> , 2022, 13, 2722.	5.8	8
3732	High nitrate variability on an Alaskan permafrost hillslope dominated by alder shrubs. <i>Cryosphere</i> , 2022, 16, 1889-1901.	1.5	3
3733	Efficient recovery of dissolved Fe(II) from near neutral pH Fenton via microbial electrolysis. <i>Journal of Hazardous Materials</i> , 2022, 436, 129196.	6.5	9
3734	Snorkels enhance alkanes respiration at ambient and increased hydrostatic pressure (10ÂMPa) by either supporting the TCA cycle or limiting alternative routes for acetyl-CoA metabolism. <i>Journal of Environmental Management</i> , 2022, 316, 115244.	3.8	0
3735	Coupling methanogenesis with iron reduction by acetotrophic <i>Methanosarcina mazei</i> . <i>Environmental Microbiology Reports</i> , 2022, 14, 804-811.	1.0	4
3736	Microbial Fe cycling in a simulated Precambrian ocean environment: Implications for secondary mineral (trans)formation and deposition during BIF genesis. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 331, 165-191.	1.6	8
3737	Ferrozine colorimetry and reverse flow injection analysis (rFIA) based method for the determination of total iron in aqueous solutions at nanomolar concentrations. <i>Journal of the Indian Chemical Society</i> , 2022, , 100541.	1.3	1
3738	Semiconducting hematite facilitates microbial and abiotic reduction of chromium. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
3739	Desirable characteristics of casein peptides with simultaneously enhanced emulsion forming ability and antioxidative capacity in O/W emulsion. <i>Food Hydrocolloids</i> , 2022, 131, 107812.	5.6	16
3740	Enhancement of peroxymonosulfate activation by sinapic acid accelerating Fe(III)/Fe(II) cycle. <i>Chemical Engineering Journal</i> , 2022, 446, 137177.	6.6	16
3741	Nutritional status of Head Start and nursery school children. <i>Journal of the American Dietetic Association</i> , 1976, 68, 127-130.	1.3	0
3743	Iron Based Passivator Mitigates Arsenic Reduction Process Coupled to Methane Oxidation in Paddy Soils. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3744	In-situ generation of H ₂ O ₂ in heterogeneous Fenton-like process with Fe/Ni bimetallic particle for Metronidazole degradation. <i>Separation Science and Technology</i> , 2022, 57, 2675-2689.	1.3	1

#	ARTICLE	IF	CITATIONS
3745	Endosymbiont population genomics sheds light on transmission mode, partner specificity, and stability of the scaly-foot snail holobiont. <i>ISME Journal</i> , 2022, 16, 2132-2143.	4.4	6
3747	Influence of Organic Ligands on the Redox Properties of Fe(II) as Determined by Mediated Electrochemical Oxidation. <i>Environmental Science & Technology</i> , 2022, 56, 9123-9132.	4.6	19
3748	Isotopic signatures of biotic and abiotic N_2O production and consumption in the water column of meromictic, ferruginous Lake La Cruz (Spain). <i>Limnology and Oceanography</i> , 2022, 67, 1760-1775.	1.6	1
3750	Effect of organic substrate and Fe oxides transformation on the mobility of arsenic by biotic reductive dissolution under repetitive redox conditions. <i>Chemosphere</i> , 2022, 305, 135431.	4.2	7
3751	A one-million-year isotope record from siderites formed in modern ferruginous sediments. <i>Bulletin of the Geological Society of America</i> , 2023, 135, 504-522.	1.6	2
3752	<i>Shewanella oneidensis</i> MR-1 accelerates the corrosion of carbon steel using multiple electron transfer mechanisms. <i>International Biodeterioration and Biodegradation</i> , 2022, 173, 105439.	1.9	14
3753	Quantifying Sulfidization and Non-Sulfidization in Long-Term In-Situ Microbial Colonized As(V)-Ferrihydrite Coated Sand Columns: Insights into as Mobility. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3754	Plutonium Mobilization from Contaminated Estuary Sediments, Esk Estuary (UK). <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3755	Iron isotope fractionation in anoxygenic phototrophic Fe(II) oxidation by <i>Rhodobacter ferrooxidans</i> SW2. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 355-368.	1.6	1
3756	Response of Heterotrophic Microbial Communities to an Environmental Gradient in the Floodplain of Mapire River, Venezuela. <i>Wetlands</i> , 2022, 42, .	0.7	0
3757	Sequential Application of Peracetic Acid and UV Irradiation (PAA+UV/PAA) for Improved Bacterial Inactivation in Fresh-Cut Produce Wash Water. <i>ACS ES&T Water</i> , 2022, 2, 1247-1253.	2.3	5
3758	Determining geochemical and microbial parameters underlying geographic patterns of denitrification and anammox rates in the New River Estuary, North Carolina, USA. <i>Estuarine, Coastal and Shelf Science</i> , 2022, , 107973.	0.9	1
3759	The roles of <i>DmsEFAB</i> and <i>MtrCAB</i> in extracellular reduction of iodate by <i>Shewanella oneidensis</i> MR-1 with lactate as the sole electron donor. <i>Environmental Microbiology</i> , 2022, 24, 5039-5050.	1.8	7
3760	The fate and dynamics of iron during the transformation of activated sludge into oxygenic photogranules (OPGs) under hydrodynamic batch conditions for environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108190.	3.3	3
3761	Iron (oxyhydr)oxides shift the methanogenic community in deep sea methanic sediment - insights from long-term high-pressure incubations. <i>Science of the Total Environment</i> , 2022, 848, 157590.	3.9	2
3762	PioABC-Dependent Fe(II) Oxidation during Photoheterotrophic Growth on an Oxidized Carbon Substrate Increases Growth Yield. <i>Applied and Environmental Microbiology</i> , 0, , .	1.4	1
3763	Effects of Sodium Sulfide Concentration on the Solid and Solution Chemistry of a Concentrated Biosolids Slurry for Phosphorus Recovery and Reuse. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3764	On the trail of iron uptake in ancestral Cyanobacteria on early Earth. <i>Geobiology</i> , 2022, 20, 776-789.	1.1	4

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3765	Coprecipitation of Organic Matter, Phosphate With Iron: Implications for Internal Loadings of Phosphorus in Algae-Dominated and Macrophyte-Dominated Lakes. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	3
3766	Degradation of chloramphenicol in soil with catechin-enhanced ferric iron/persulfate system. <i>Journal of Cleaner Production</i> , 2022, 372, 133742.	4.6	1
3767	Regreening properties of the soil slow-mobile H ₂ bpcd/Fe ³⁺ complex: Steps forward to the development of a new environmentally friendly Fe fertilizer. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
3769	An Inquiry-Based In-Person or Remote Laboratory Using Iron Analysis and Paper Microfluidics to Teach Analytical Method Development. <i>Journal of Chemical Education</i> , 2022, 99, 4024-4031.	1.1	4
3770	Contaminant release, mixing and microbial fluctuations initiated by infiltrating water within a replica field-scale legacy radioactive waste trench. <i>Science of the Total Environment</i> , 2022, , 158241.	3.9	0
3771	Reduction of a Heme Cofactor Initiates <i>N</i> -Nitroglycine Degradation by NnIA. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	0
3772	Enhancing electrical outputs of the fuel cells with <i>Geobacter sulfurreducens</i> by overexpressing nanowire proteins. <i>Microbial Biotechnology</i> , 2023, 16, 534-545.	2.0	12
3773	Effect of Siderophore DFOB on U(VI) Adsorption to Clay Mineral and Its Subsequent Reduction by an Iron-Reducing Bacterium. <i>Environmental Science & Technology</i> , 2022, 56, 12702-12712.	4.6	11
3775	Metal Sensing by a Glycine-Histidine Repeat Sequence Regulates the Heme Degradation Activity of PM0042 from <i>Pasteurella multocida</i> . <i>Inorganic Chemistry</i> , 2022, 61, 13543-13553.	1.9	0
3776	Arsenic Mobilization and Transformation by Ammonium-Generating Bacteria Isolated from High Arsenic Groundwater in Hetao Plain, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 9606.	1.2	5
3777	Influence of supplementation of probiotic bacteria <i>Lactobacillus plantarum</i> and <i>Lactobacillus curvatus</i> on selected parameters of liver iron metabolism in rats on high-fat iron-deficient diet. <i>Journal of Functional Foods</i> , 2022, 96, 105205.	1.6	2
3778	The influence of shellfish farming on sedimentary organic carbon mineralization: A case study in a coastal scallop farming area of Yantai, China. <i>Marine Pollution Bulletin</i> , 2022, 182, 113941.	2.3	2
3779	Effects of clay minerals on Fe ²⁺ -induced phase transformation of ferrihydrite. <i>Applied Geochemistry</i> , 2022, 144, 105401.	1.4	9
3780	Impacts of bioturbation on iron biogeochemistry and microbial communities in coastal sediment mesocosms under varying degrees of hypoxia. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 276, 108032.	0.9	3
3781	Coupled dynamics of aqueous biogeochemistry in contrasting floodplain environments: Implications for Critical Zone carbon sequestration along redox gradients. <i>Applied Geochemistry</i> , 2022, 145, 105413.	1.4	7
3782	Mechanisms of microbial-based iron reduction of clay minerals: Current understanding and latest developments. <i>Applied Clay Science</i> , 2022, 228, 106653.	2.6	11
3783	Iron(II)-activated phase transformation of Cd-bearing ferrihydrite: Implications for cadmium mobility and fate under anaerobic conditions. <i>Science of the Total Environment</i> , 2022, 848, 157719.	3.9	11
3784	Biochar facilitates ferrihydrite reduction by <i>Shewanella oneidensis</i> MR-1 through stimulating the secretion of extracellular polymeric substances. <i>Science of the Total Environment</i> , 2022, 848, 157560.	3.9	13

#	ARTICLE	IF	CITATIONS
3785	Dynamic roles of inner membrane electron-transfer hub of <i>Shewanella oneidensis</i> MR-1 in response to extracellular reduction kinetics. <i>Chemical Engineering Journal</i> , 2023, 451, 138717.	6.6	4
3786	Unchanged nitrate and nitrite isotope fractionation during heterotrophic and Fe(II)-mixotrophic denitrification suggest a non-enzymatic link between denitrification and Fe(II) oxidation. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
3787	Zero sludge discharge strategy for Fenton oxidation wastewater treatment technology: Biological regeneration and in-situ cyclic utilization - A feasibility study. <i>Journal of Cleaner Production</i> , 2022, 376, 134259.	4.6	5
3788	A global reassessment of the controls on iron speciation in modern sediments and sedimentary rocks: A dominant role for diagenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 335, 211-230.	1.6	20
3789	Iron-based passivator mitigates the coupling process of anaerobic methane oxidation and arsenate reduction in paddy soils. <i>Environmental Pollution</i> , 2022, 313, 120182.	3.7	4
3790	Incorporation of calcium cyanamide and straw reduces phosphorus leaching in a flooded agricultural soil. <i>Geoderma</i> , 2022, 428, 116150.	2.3	2
3791	Plutonium mobilization from contaminated estuarine sediments, Esk Estuary (UK). <i>Chemosphere</i> , 2022, 308, 136240.	4.2	2
3792	Integrated calibration and serum iron in situ analysis into an array microfluidic paper-based analytical device with smartphone readout. <i>Talanta</i> , 2023, 253, 123914.	2.9	4
3793	Improving methane production from hydrogenogenic effluent with magnetic leaf biochar. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	2
3794	Phenolic Profile, Antioxidant, Anti-Enzymatic and Cytotoxic Activity of the Fruits and Roots of <i>Eleutherococcus senticosus</i> (Rupr. et Maxim.) Maxim. <i>Molecules</i> , 2022, 27, 5579.	1.7	4
3795	Valorization of Wastes from the Juice Passion Fruit Production Industry: Extraction of Bioactive Compounds from Seeds, Antioxidant, Photoprotective and Antiproliferative Activities. <i>Waste and Biomass Valorization</i> , 0, , .	1.8	3
3796	Iron oxides impact sulfate-driven anaerobic oxidation of methane in diffusion-dominated marine sediments. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
3797	Microbial succession in a marine sediment: Inferring interspecific microbial interactions with marine cable bacteria. <i>Environmental Microbiology</i> , 2022, 24, 6348-6364.	1.8	11
3798	Reconstructing electron transfer components from an Fe(II) oxidizing bacterium. <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	2
3799	The Magnetosome Protein, Mms6 from <i>Magnetospirillum magneticum</i> Strain AMB-1, Is a Lipid-Activated Ferric Reductase. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10305.	1.8	2
3800	Reactivity of Nitrate with Zero-Valent Iron. <i>Water (Switzerland)</i> , 2022, 14, 2796.	1.2	1
3801	Exploring the secondary mineral products generated by microbial iron respiration in Archean ocean simulations. <i>Geobiology</i> , 2022, 20, 743-763.	1.1	5
3802	Complexation of multiple mineral elements by fermentation and its application in laying hens. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3

#	ARTICLE	IF	CITATIONS
3803	Large Fractionation in Iron Isotopes Implicates Metabolic Pathways for Iron Cycling in Boreal Shield Lakes. <i>Environmental Science & Technology</i> , 2022, 56, 14840-14851.	4.6	0
3804	Mesoproterozoic surface oxygenation accompanied major sedimentary manganese deposition at 1.4 and 1.1AGa. <i>Geobiology</i> , 2023, 21, 28-43.	1.1	5
3805	Heterogeneity of nitrate reduction indicators across a tile drained agricultural catchment in East Jutland, Denmark. <i>Geoderma Regional</i> , 2022, , e00579.	0.9	0
3806	A method for a fast and economical in situ collection of pore water in sandy sediments. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	0
3807	Interactions of Isoquinoline Alkaloids with Transition Metals Iron and Copper. <i>Molecules</i> , 2022, 27, 6429.	1.7	7
3808	Nitrate Controls on the Extent and Type of Metal Retention in Fine-Grained Sediments of a Simulated Aquifer. <i>Environmental Science & Technology</i> , 2022, 56, 14452-14461.	4.6	2
3809	Sensory Improvement of Tuna Dark Flesh for Food Application; Processing Conditions and New Meat Product Development. <i>Journal of Aquatic Food Product Technology</i> , 0, , 1-15.	0.6	0
3811	In Situ Simultaneous Analysis of Nitrogen and Phosphorus Migration in Urban Black Odorous Runoff. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13240.	1.2	3
3812	Evaluating wetland soil carbon stability related to iron transformation during redox oscillations. <i>Geoderma</i> , 2022, 428, 116222.	2.3	6
3813	Cable bacteria activity and impacts in Fe and Mn depleted carbonate sediments. <i>Marine Chemistry</i> , 2022, 246, 104176.	0.9	4
3814	Tropical storm-induced disturbance of deep-water porewater profiles, Gulf of Aqaba. <i>Marine Geology</i> , 2022, 453, 106926.	0.9	2
3815	Quantifying sulfidization and non-sulfidization in long-term in-situ microbial colonized As(V)-ferrihydrite coated sand columns: Insights into As mobility. <i>Science of the Total Environment</i> , 2023, 858, 160066.	3.9	0
3816	Adsorption and Removal Kinetics of 2,4-Dinitroanisole (DNAN) and Nitrotriazolone (NTO) in Contrasting Freshwater Sediments: Batch Study. <i>Environmental Toxicology and Chemistry</i> , 0, , .	2.2	0
3817	Redox Properties of Solid Phase Electron Acceptors Affect Anaerobic Microbial Respiration under Oxygen-Limited Conditions in Floodplain Soils. <i>Environmental Science & Technology</i> , 2022, 56, 17462-17470.	4.6	8
3818	Ligand-Promoted 1,4-Dioxane Degradation during Microbially Mediated Iron Redox Cycles. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 2632-2643.	1.2	0
3819	Lack of Specificity in <i>Geobacter</i> Periplasmic Electron Transfer. <i>Journal of Bacteriology</i> , 2022, 204, .	1.0	10
3820	Environmental Impacts of Hurricane Harvey on the Neches-Brakes Bayou River System in Beaumont, Texas. <i>Environmental Management</i> , 2023, 71, 730-740.	1.2	1
3821	The first cultivated representatives of the actinobacterial lineage OPB41 isolated from subsurface environments constitute a novel order Anaerosomatales. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	10

#	ARTICLE	IF	CITATIONS
3822	Environmental Risk of Arsenic Mobilization from Disposed Sand Filter Materials. <i>Environmental Science & Technology</i> , 2022, 56, 16822-16830.	4.6	7
3823	Nutrient turnover by large sulfur bacteria on the Namibian mud belt during the low productivity season. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
3824	Preliminary Investigations. , 2022, , 41-93.		0
3825	Anaerobic carbon oxidation in sediment of two Brazilian mangrove forests: the influence of tree roots and crab burrows. <i>Ocean and Coastal Research</i> , 2023, 71, .	0.3	2
3826	Distinct patterns of sedimentary phosphorus fractionation and mobilization in the seafloor of the Black Sea, Marmara Sea and Mediterranean Sea. <i>Science of the Total Environment</i> , 2023, 863, 160936.	3.9	3
3827	Reactivity of Fe(III)-containing pyrophosphate salts with phenolics: complexation, oxidation, and surface interaction. <i>Food Chemistry</i> , 2023, 407, 135156.	4.2	3
3828	Delimiting conditions under which natural organic matter can control Fe speciation and size in freshwaters. <i>Science of the Total Environment</i> , 2023, 860, 160406.	3.9	1
3830	Effects of aquatic dissolved organic matter redox state on adsorption to goethite. <i>Aquatic Sciences</i> , 2023, 85, .	0.6	2
3831	Disproportionation of Inorganic Sulfur Compounds by Mesophilic Chemolithoautotrophic <i>Campylobacterota</i> . <i>MSystems</i> , 2023, 8, .	1.7	5
3832	Sustainable and Reagentless Fenton Treatment of Complex Wastewater. <i>Environmental Science & Technology</i> , 2023, 57, 626-634.	4.6	9
3833	Mineral-catalysed formation of marine NO and N2O on the anoxic early Earth. <i>Nature Geoscience</i> , 2022, 15, 1056-1063.	5.4	7
3834	Redox oscillations destabilize and mobilize colloidal soil organic carbon. <i>Science of the Total Environment</i> , 2023, 864, 161153.	3.9	4
3835	The iron "redox battery" in sandy sediments: Its impact on organic matter remineralization and phosphorus cycling. <i>Science of the Total Environment</i> , 2023, 865, 161168.	3.9	6
3836	The <i>Bradyrhizobium japonicum</i> <i>fsrB</i> gene is essential for utilization of structurally diverse ferric siderophores to fulfill its nutritional iron requirement. <i>Molecular Microbiology</i> , 2023, 119, 340-349.	1.2	2
3838	Iron Reduction in Profundal Sediments of Ultraoligotrophic Lake Tahoe under Oxygen-Limited Conditions. <i>Environmental Science & Technology</i> , 2023, 57, 1529-1537.	4.6	3
3839	Biochar-derived dissolved black carbon accelerates ferrihydrite microbial transformation and subsequent imidacloprid degradation. <i>Journal of Hazardous Materials</i> , 2023, 446, 130685.	6.5	10
3840	Hematite-mediated Mn(II) abiotic oxidation under oxic conditions: pH effect and mineralization. <i>Journal of Colloid and Interface Science</i> , 2023, 636, 267-278.	5.0	4
3841	<i>Enterococcus faecalis</i> NADH Peroxidase-Defective Mutants Stain Falsely in Colony Zymogram Assay for Extracellular Electron Transfer to Ferric Ions. <i>Microorganisms</i> , 2023, 11, 106.	1.6	2

#	ARTICLE	IF	CITATIONS
3842	Diversity of Mixotrophic Neutrophilic Thiosulfate- and Iron-Oxidizing Bacteria from Deep-Sea Hydrothermal Vents. <i>Microorganisms</i> , 2023, 11, 100.	1.6	2
3843	Benthic-pelagic coupling and isotopic fractionation of barium in Kiel Bight, SW Baltic Sea. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	5
3844	Unraveling the Mechanisms of Fe Oxidation and Mn Reduction on Mn Indicators of Reduction in Soil (IRIS) Films. <i>Environmental Science & Technology</i> , 2023, 57, 6530-6539.	4.6	2
3845	Insight into the model quinone compound AQDS mediated the Mn(II) abiotic oxidation and mineral mineralization on hematite surface under oxic and neutral conditions. <i>Applied Geochemistry</i> , 2023, , 105658.	1.4	0
3846	<i>Natronogracilivirga saccharolytica</i> gen. nov., sp. nov. and <i>Cyclonatronum proteinivorum</i> gen. nov., sp. nov., haloalkaliphilic organotrophic bacteroidetes from hypersaline soda lakes forming a new family <i>Cyclonatronaceae</i> fam. nov. in the order <i>Balneolales</i> . <i>Systematic and Applied Microbiology</i> , 2023, 46, 126403.	1.2	3
3847	Iron geochemistry in surface sediments of the subtropical northern South China Sea and a comparison with the temperate East China Sea. <i>Journal of Marine Systems</i> , 2023, 240, 103878.	0.9	0
3848	Consequences of sea level rise for high metal(loid) loads in the R��a of Huelva estuary sediments. <i>Science of the Total Environment</i> , 2023, 873, 162354.	3.9	1
3849	Microbial necromass carbon in estuarine tidal wetlands of China: Influencing factors and environmental implication. <i>Science of the Total Environment</i> , 2023, 876, 162566.	3.9	2
3850	Magnetite nanoparticles as a kinetically favorable source of iron to enhance GBM response to chemoradiosensitization with pharmacological ascorbate. <i>Redox Biology</i> , 2023, 62, 102651.	3.9	6
3851	Decreased CH4 emissions associated with methanogenic and methanotrophic communities and their interactions following Fe(III) fertiliser application in rice paddies. <i>Geoderma</i> , 2023, 431, 116375.	2.3	2
3853	Iron and Zinc Determination in Dietary Supplements by Flame Atomic Absorption Spectrophotometry. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, .	1.2	4
3854	Improved Fe(II) regeneration from actual ferric sludge using a biocathode with granular sludge. <i>Journal of Cleaner Production</i> , 2023, 389, 136118.	4.6	1
3855	Hydrogen generation by soluble CO2 reaction with zero-valent iron or scrap iron and the role of weak acids for controlling FeCO3 formation. <i>Sustainable Energy Technologies and Assessments</i> , 2023, 56, 103061.	1.7	1
3856	Metagenomic analysis characterizes resistomes of an acidic, multimetal(loid)-enriched coal source mine drainage treatment system. <i>Journal of Hazardous Materials</i> , 2023, 448, 130898.	6.5	2
3857	Role of Al substitution in the reduction of ferrihydrite by <i>Shewanella oneidensis</i> MR-1. <i>Environmental Science and Pollution Research</i> , 2023, 30, 46657-46668.	2.7	0
3858	Microbial iron cycling is prevalent in water-logged Alaskan Arctic tundra habitats, but sensitive to disturbance. <i>FEMS Microbiology Ecology</i> , 2023, 99, .	1.3	1
3860	Estimating benthic Fe and reactive solute fluxes. <i>Marine Chemistry</i> , 2023, 249, 104221.	0.9	4
3861	Effect of Stoichiometry on Nanomagnetite Sulfidation. <i>Environmental Science & Technology</i> , 2023, 57, 3002-3011.	4.6	3

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3862	Experimentally simulated sea level rise destabilizes carbon-mineral associations in temperate tidal marsh soil. <i>Biogeochemistry</i> , 2023, 163, 103-120.	1.7	3
3863	Composition of organic matter-iron-phosphorus associations in sediments of algae- and macrophyte-dominated zones in Lake Taihu. <i>Chemical Geology</i> , 2023, 622, 121375.	1.4	2
3864	Water column dynamics control nitrite-dependent anaerobic methane oxidation by <i>Candidatus</i> <i>Methylospirillum</i> in stratified lake basins. <i>ISME Journal</i> , 2023, 17, 693-702.	4.4	7
3865	Effects of Different Nanoparticles on Microbes. <i>Microorganisms</i> , 2023, 11, 542.	1.6	4
3866	Nitrate-Stimulated Release of Naturally Occurring Sedimentary Uranium. <i>Environmental Science & Technology</i> , 2023, 57, 4354-4366.	4.6	9
3867	Microbial Reduction of Antimony(V)-Bearing Ferrihydrite by <i>Geobacter sulfurreducens</i> . <i>Applied and Environmental Microbiology</i> , 2023, 89, .	1.4	2
3868	Resolving the fate of trace metals during microbial remineralization of phytoplankton biomass in precursor banded iron formation sediments. <i>Earth and Planetary Science Letters</i> , 2023, 607, 118068.	1.8	1
3869	Diagenetic Geochemistry of Iron, Sulfur, and Molybdenum in Sediments of the Middle Okinawa Trough Impacted by Hydrothermal Plumes and/or Cold Seeps. <i>Earth and Space Science</i> , 2023, 10, .	1.1	1
3870	Nitrate limitation in early Neoproterozoic oceans delayed the ecological rise of eukaryotes. <i>Science Advances</i> , 2023, 9, .	4.7	5
3871	Elevated concentrations of organic and inorganic forms of iron in plant-based diets for channel catfish prevent anemia but damage liver and intestine, respectively, without impacting growth performance. <i>Fish Physiology and Biochemistry</i> , 2023, 49, 289-305.	0.9	1
3873	The chemical ecology of coumarins and phenazines affects iron acquisition by pseudomonads. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	10
3874	Continuous cultivation of the lithoautotrophic nitrate-reducing <i>Fe(II)</i> -oxidizing culture <i>KS</i> in a chemostat bioreactor. <i>Environmental Microbiology Reports</i> , 0, .	1.0	0
3876	Influence of clay mineral weathering on green rust formation at iron-reducing conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2023, 350, 46-56.	1.6	1
3877	Treatment of the insensitive munitions compound, 3-nitro-1,2,4-triazol-5-one (NTO), in flow-through columns packed with zero-valent iron. <i>Environmental Science and Pollution Research</i> , 2023, 30, 64606-64616.	2.7	0
3878	Cr(III)-bearing schwertmannite transformation by <i>Fe(II)</i> -oxalic acid catalysis: complexation of <i>Fe(III)/oxalate</i> and nanoscale redistribution of Cr/C. <i>Environmental Science: Nano</i> , 2023, 10, 1453-1467.	2.2	1
3879	Characterization of iron, sulfur, and phosphorus diagenesis in muddy sediments of the South Yellow Sea using the diffusive gradients in thin films (DGT) technique. <i>Aquatic Sciences</i> , 2023, 85, .	0.6	0
3880	First Description of Non-Enzymatic Radical-Generating Mechanisms Adopted by <i>Fomitiporia mediterranea</i> : An Unexplored Pathway of the White Rot Agent of the Esca Complex of Diseases. <i>Journal of Fungi (Basel, Switzerland)</i> , 2023, 9, 498.	1.5	0
3882	Effects of Organic Ligands on the Antibacterial Activity of Reduced Iron-Containing Clay Minerals: Higher Extracellular Hydroxyl Radical Production Yet Lower Bactericidal Activity. <i>Environmental Science & Technology</i> , 2023, 57, 6888-6897.	4.6	2

#	ARTICLE	IF	CITATIONS
3883	Structure and composition of natural ferrihydrite nano-colloids in anoxic groundwater. Water Research, 2023, 238, 119990.	5.3	5