

T David Waite

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4986469/publications.pdf>

Version: 2024-02-01

349
papers

22,220
citations

7672

79
h-index

16186

128
g-index

355
all docs

355
docs citations

355
times ranked

18889
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Influence of salinity on the heterogeneous catalytic ozonation process: Implications to treatment of high salinity wastewater. <i>Journal of Hazardous Materials</i> , 2022, 423, 127255. | 6.5 | 30 |
| 2 | Influence of cations on As(III) removal from simulated groundwaters by double potential step chronoamperometry (DPSC) employing polyvinylferrocene (PVF) functionalized electrodes. <i>Journal of Hazardous Materials</i> , 2022, 424, 127472. | 6.5 | 3 |
| 3 | Electrochemical Ni-EDTA degradation and Ni removal from electroless plating wastewaters using an innovative Ni-doped PbO ₂ anode: Optimization and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 424, 127655. | 6.5 | 26 |
| 4 | Electrochemical degradation of Ni-EDTA complexes in electroless plating wastewater using PbO ₂ -Bi electrodes. <i>Chemical Engineering Journal</i> , 2022, 431, 133230. | 6.6 | 29 |
| 5 | Impact of reactive iron in coal mine dust on oxidant generation and epithelial lung cell viability. <i>Science of the Total Environment</i> , 2022, 810, 152277. | 3.9 | 15 |
| 6 | Application of digital twins for remote operation of membrane capacitive deionization (mCDI) systems. <i>Desalination</i> , 2022, 525, 115482. | 4.0 | 15 |
| 7 | Production of hydrogen peroxide in an intra-meander hyporheic zone at East River, Colorado. <i>Scientific Reports</i> , 2022, 12, 712. | 1.6 | 3 |
| 8 | Comparison of Performance of Conventional Ozonation and Heterogeneous Catalytic Ozonation Processes in Phosphate- and Bicarbonate-Buffered Solutions. <i>ACS ES&T Engineering</i> , 2022, 2, 210-221. | 3.7 | 10 |
| 9 | Elucidation of alveolar macrophage cell response to coal dusts: Role of ferroptosis in pathogenesis of coal workers' pneumoconiosis. <i>Science of the Total Environment</i> , 2022, 823, 153727. | 3.9 | 5 |
| 10 | Leveraging coordination chemistry in the design of bipolar energy storage materials for redox flow batteries. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2179-2190. | 2.5 | 3 |
| 11 | Analysis of Ozonation Processes Using Coupled Modeling of Fluid Dynamics, Mass Transfer, and Chemical Reaction Kinetics. <i>Environmental Science & Technology</i> , 2022, 56, 4377-4385. | 4.6 | 11 |
| 12 | Hydroxyl radicals in anodic oxidation systems: generation, identification and quantification. <i>Water Research</i> , 2022, 217, 118425. | 5.3 | 70 |
| 13 | Integrated flow anodic oxidation and ultrafiltration system for continuous defluorination of perfluorooctanoic acid (PFOA). <i>Water Research</i> , 2022, 216, 118319. | 5.3 | 14 |
| 14 | pH Dependence of Hydroxyl Radical, Ferryl, and/or Ferric Peroxo Species Generation in the Heterogeneous Fenton Process. <i>Environmental Science & Technology</i> , 2022, 56, 1278-1288. | 4.6 | 50 |
| 15 | Membrane-based electrochemical technologies: I. Membrane capacitive deionization and flow-electrode capacitive deionization. , 2022, , 317-360. | | 1 |
| 16 | Uranium adsorption— a review of progress from qualitative understanding to advanced model development. <i>Radiochimica Acta</i> , 2022, 110, 549-559. | 0.5 | 5 |
| 17 | Hydroxyl Radical Production via a Reaction of Electrochemically Generated Hydrogen Peroxide and Atomic Hydrogen: An Effective Process for Contaminant Oxidation?. <i>Environmental Science & Technology</i> , 2022, 56, 5820-5829. | 4.6 | 27 |
| 18 | Comparative Experimental and Computational Studies of Hydroxyl and Sulfate Radical-Mediated Degradation of Simple and Complex Organic Substrates. <i>Environmental Science & Technology</i> , 2022, 56, 8819-8832. | 4.6 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Caveats in the Use of Tertiary Butyl Alcohol as a Probe for Hydroxyl Radical Involvement in Conventional Ozonation and Catalytic Ozonation Processes. <i>ACS ES&T Engineering</i> , 2022, 2, 1665-1676. | 3.7 | 18 |
| 20 | Boron Removal from Reverse Osmosis Permeate Using an Electrosorption Process: Feasibility, Kinetics, and Mechanism. <i>Environmental Science & Technology</i> , 2022, 56, 10391-10401. | 4.6 | 13 |
| 21 | Lithium recovery using electrochemical technologies: Advances and challenges. <i>Water Research</i> , 2022, 221, 118822. | 5.3 | 44 |
| 22 | Comparative proteomics of the toxigenic diazotroph <i>Raphidiopsis raciborskii</i> (cyanobacteria) in response to iron. <i>Environmental Microbiology</i> , 2021, 23, 405-414. | 1.8 | 2 |
| 23 | Phosphate selective recovery by magnetic iron oxide impregnated carbon flow-electrode capacitive deionization (FCDI). <i>Water Research</i> , 2021, 189, 116653. | 5.3 | 61 |
| 24 | Self-Enhanced Decomplexation of Cu-Organic Complexes and Cu Recovery from Wastewaters Using an Electrochemical Membrane Filtration System. <i>Environmental Science & Technology</i> , 2021, 55, 655-664. | 4.6 | 67 |
| 25 | Kinetic Analysis of H ₂ O ₂ Activation by an Iron(III) Complex in Water Reveals a Nonhomolytic Generation Pathway to an Iron(IV)oxo Complex. <i>ACS Catalysis</i> , 2021, 11, 787-799. | 5.5 | 25 |
| 26 | Flow Electrode Capacitive Deionization (FCDI): Recent Developments, Environmental Applications, and Future Perspectives. <i>Environmental Science & Technology</i> , 2021, 55, 4243-4267. | 4.6 | 125 |
| 27 | Phosphate recovery as vivianite using a flow-electrode capacitive desalination (FCDI) and fluidized bed crystallization (FBC) coupled system. <i>Water Research</i> , 2021, 194, 116939. | 5.3 | 52 |
| 28 | Site specific assessment of the viability of membrane Capacitive Deionization (mCDI) in desalination of brackish groundwaters for selected crop watering. <i>Desalination</i> , 2021, 502, 114913. | 4.0 | 16 |
| 29 | Heterogeneous Fenton Chemistry Revisited: Mechanistic Insights from Ferrihydrite-Mediated Oxidation of Formate and Oxalate. <i>Environmental Science & Technology</i> , 2021, 55, 14414-14425. | 4.6 | 77 |
| 30 | Development of a Mechanically Flexible 2D-MXene Membrane Cathode for Selective Electrochemical Reduction of Nitrate to N ₂ : Mechanisms and Implications. <i>Environmental Science & Technology</i> , 2021, 55, 10695-10703. | 4.6 | 68 |
| 31 | 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 |
| 32 | Fe(II) Redox Chemistry in the Environment. <i>Chemical Reviews</i> , 2021, 121, 8161-8233. | 23.0 | 242 |
| 33 | Flow anodic oxidation: Towards high-efficiency removal of aqueous contaminants by adsorbed hydroxyl radicals at 1.5 V vs SHE. <i>Water Research</i> , 2021, 200, 117259. | 5.3 | 34 |
| 34 | Key Considerations When Assessing Novel Fenton Catalysts: Iron Oxychloride (FeOCl) as a Case Study. <i>Environmental Science & Technology</i> , 2021, 55, 13317-13325. | 4.6 | 37 |
| 35 | Direct electron transfer (DET) processes in a flow anode system—Energy-efficient electrochemical oxidation of phenol. <i>Water Research</i> , 2021, 203, 117547. | 5.3 | 28 |
| 36 | Cooperative Co-Activation of Water and Hypochlorite by a Non-Heme Diiron(III) Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 15400-15412. | 6.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Kinetic Modeling-Assisted Mechanistic Understanding of the Catalytic Ozonation Process Using Cu-Al Layered Double Hydroxides and Copper Oxide Catalysts. <i>Environmental Science & Technology</i> , 2021, 55, 13274-13285. | 4.6 | 24 |
| 38 | Scale-up and Modelling of Flow-electrode CDI Using Tubular Electrodes. <i>Water Research</i> , 2021, 203, 117498. | 5.3 | 18 |
| 39 | Optimization of constant-current operation in membrane capacitive deionization (MCDI) using variable discharging operations. <i>Water Research</i> , 2021, 204, 117646. | 5.3 | 17 |
| 40 | A microstructural investigation of a Na ₂ SO ₄ activated cement-slag blend. <i>Cement and Concrete Research</i> , 2021, 150, 106609. | 4.6 | 25 |
| 41 | Genomic Insights Into the Archaea Inhabiting an Australian Radioactive Legacy Site. <i>Frontiers in Microbiology</i> , 2021, 12, 732575. | 1.5 | 5 |
| 42 | Flow-electrode capacitive deionization (FCDI) scale-up using a membrane stack configuration. <i>Water Research</i> , 2020, 168, 115186. | 5.3 | 87 |
| 43 | The impact of absorbents on ammonia recovery in a capacitive membrane stripping system. <i>Chemical Engineering Journal</i> , 2020, 382, 122851. | 6.6 | 51 |
| 44 | Energy recovery in pilot scale membrane CDI treatment of brackish waters. <i>Water Research</i> , 2020, 168, 115146. | 5.3 | 64 |
| 45 | Production of a Surface-Localized Oxidant during Oxygenation of Mackinawite (FeS). <i>Environmental Science & Technology</i> , 2020, 54, 1167-1176. | 4.6 | 45 |
| 46 | Effectiveness of the Iron Chelator CN128 in Mitigating the Formation of Dopamine Oxidation Products Associated with the Progression of Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3646-3657. | 1.7 | 14 |
| 47 | Copper Inhibition of Triplet-Sensitized Phototransformation of Phenolic and Amine Contaminants. <i>Environmental Science & Technology</i> , 2020, 54, 9980-9989. | 4.6 | 22 |
| 48 | Management of concentrate and waste streams for membrane-based algal separation in water treatment: A review. <i>Water Research</i> , 2020, 183, 115969. | 5.3 | 20 |
| 49 | The Nature and Oxidative Reactivity of Urban Magnetic Nanoparticle Dust Provide New Insights into Potential Neurotoxicity Studies. <i>Environmental Science & Technology</i> , 2020, 54, 10599-10609. | 4.6 | 7 |
| 50 | Recent advances in Cu-Fenton systems for the treatment of industrial wastewaters: Role of Cu complexes and Cu composites. <i>Journal of Hazardous Materials</i> , 2020, 392, 122261. | 6.5 | 126 |
| 51 | Manipulation of planar oxygen defect arrangements in multifunctional magnéli titanium oxide hybrid systems: from energy conversion to water treatment. <i>Energy and Environmental Science</i> , 2020, 13, 5080-5096. | 15.6 | 15 |
| 52 | Selective Arsenic Removal from Groundwaters Using Redox-Active Polyvinylferrocene-Functionalized Electrodes: Role of Oxygen. <i>Environmental Science & Technology</i> , 2020, 54, 12081-12091. | 4.6 | 30 |
| 53 | Why Was My Paper Rejected without Review?. <i>Environmental Science & Technology</i> , 2020, 54, 11641-11644. | 4.6 | 10 |
| 54 | Iron Transformation and Its Role in Phosphorus Immobilization in a UCT-MBR with Vivianite Formation Enhancement. <i>Environmental Science & Technology</i> , 2020, 54, 12539-12549. | 4.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | Mechanisms of enhancement in early hydration by sodium sulfate in a slag-cement blend “ Insights from pore solution chemistry. <i>Cement and Concrete Research</i> , 2020, 135, 106110. | 4.6 | 63 |
| 57 | Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater “ a perspective. <i>Environmental Science: Nano</i> , 2020, 7, 2178-2194. | 2.2 | 74 |
| 58 | Effect of the Presence of Carbon in Ti ₄ O ₇ Electrodes on Anodic Oxidation of Contaminants. <i>Environmental Science & Technology</i> , 2020, 54, 5227-5236. | 4.6 | 58 |
| 59 | Self-Sustained Visible-Light-Driven Electrochemical Redox Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32788-32796. | 4.0 | 35 |
| 60 | Evaluation of long-term performance of a continuously operated flow-electrode CDI system for salt removal from brackish waters. <i>Water Research</i> , 2020, 173, 115580. | 5.3 | 68 |
| 61 | Low energy consumption and mechanism study of redox flow desalination. <i>Chemical Engineering Journal</i> , 2020, 401, 126111. | 6.6 | 75 |
| 62 | Effect of Chloride and Suwannee River Fulvic Acid on Cu Speciation: Implications to Cu Redox Transformations in Simulated Natural Waters. <i>Environmental Science & Technology</i> , 2020, 54, 2334-2343. | 4.6 | 22 |
| 63 | Mechanistic insights into the catalytic ozonation process using iron oxide-impregnated activated carbon. <i>Water Research</i> , 2020, 177, 115785. | 5.3 | 63 |
| 64 | Equivalent film-electrode model for flow-electrode capacitive deionization: Experimental validation and performance analysis. <i>Water Research</i> , 2020, 181, 115917. | 5.3 | 22 |
| 65 | Inducing in Situ Crystallization of Vivianite in a UCT-MBR System for Enhanced Removal and Possible Recovery of Phosphorus from Sewage. <i>Environmental Science & Technology</i> , 2019, 53, 9045-9053. | 4.6 | 34 |
| 66 | Modified Double Potential Step Chronoamperometry (DPSC) Method for As(III) Electro-oxidation and Concomitant As(V) Adsorption from Groundwaters. <i>Environmental Science & Technology</i> , 2019, 53, 9715-9724. | 4.6 | 26 |
| 67 | Impact of ferrous iron dosing on iron and phosphorus solids speciation and transformation in a pilot scale membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1400-1411. | 1.2 | 6 |
| 68 | Is Superoxide-Mediated Fe(III) Reduction Important in Sunlit Surface Waters?. <i>Environmental Science & Technology</i> , 2019, 53, 13179-13190. | 4.6 | 26 |
| 69 | Water Recovery Rate in Short-Circuited Closed-Cycle Operation of Flow-Electrode Capacitive Deionization (FCDI). <i>Environmental Science & Technology</i> , 2019, 53, 13859-13867. | 4.6 | 57 |
| 70 | Integrated Flow-Electrode Capacitive Deionization and Microfiltration System for Continuous and Energy-Efficient Brackish Water Desalination. <i>Environmental Science & Technology</i> , 2019, 53, 13364-13373. | 4.6 | 66 |
| 71 | Redox- and EPR-Active Graphene Diiron Complex Nanocomposite. <i>Langmuir</i> , 2019, 35, 12339-12349. | 1.6 | 4 |
| 72 | Physiological responses of the freshwater N ₂ -fixing cyanobacterium <i>Raphidiopsis raciborskii</i> to Fe and N availabilities. <i>Environmental Microbiology</i> , 2019, 21, 1211-1223. | 1.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Iron uptake by bloom-forming freshwater cyanobacterium <i>Microcystis aeruginosa</i> in natural and effluent waters. <i>Environmental Pollution</i> , 2019, 247, 392-400. | 3.7 | 14 |
| 74 | Impact of light and Suwanee River Fulvic Acid on O ₂ and H ₂ O ₂ Mediated Oxidation of Silver Nanoparticles in Simulated Natural Waters. <i>Environmental Science & Technology</i> , 2019, 53, 6688-6698. | 4.6 | 24 |
| 75 | Implication of Non-electrostatic Contribution to Deionization in Flow-Electrode CDI: Case Study of Nitrate Removal From Contaminated Source Waters. <i>Frontiers in Chemistry</i> , 2019, 7, 146. | 1.8 | 20 |
| 76 | Silver sulfide nanoparticles in aqueous environments: formation, transformation and toxicity. <i>Environmental Science: Nano</i> , 2019, 6, 1674-1687. | 2.2 | 35 |
| 77 | Ammonia-Rich Solution Production from Wastewaters Using Chemical-Free Flow-Electrode Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6480-6485. | 3.2 | 80 |
| 78 | Flow-Electrode CDI Removes the Uncharged Ca ²⁺ CO ₃ Ternary Complex from Brackish Potable Groundwater: Complex Dissociation, Transport, and Sorption. <i>Environmental Science & Technology</i> , 2019, 53, 2739-2747. | 4.6 | 54 |
| 79 | Ligand-mediated contaminant degradation by bare and carboxymethyl cellulose-coated bimetallic palladium-zero valent iron nanoparticles in high salinity environments. <i>Journal of Environmental Sciences</i> , 2019, 77, 303-311. | 3.2 | 8 |
| 80 | Low cost desalination of brackish groundwaters by Capacitive Deionization (CDI) – Implications for irrigated agriculture. <i>Desalination</i> , 2019, 453, 37-53. | 4.0 | 40 |
| 81 | An extended standard blocking filtration law for exploring membrane pore internal fouling due to rate-determining adsorption. <i>Separation and Purification Technology</i> , 2019, 212, 974-979. | 3.9 | 18 |
| 82 | The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science & Technology</i> , 2019, 53, 2937-2947. | 4.6 | 493 |
| 83 | Comparison of faradaic reactions in flow-through and flow-by capacitive deionization (CDI) systems. <i>Electrochimica Acta</i> , 2019, 299, 727-735. | 2.6 | 87 |
| 84 | CFD modelling of uneven flows behaviour in flat-sheet membrane bioreactors: From bubble generation to shear stress distribution. <i>Journal of Membrane Science</i> , 2019, 570-571, 146-155. | 4.1 | 31 |
| 85 | Phosphorus removal by in situ generated Fe(II): Efficacy, kinetics and mechanism. <i>Water Research</i> , 2018, 136, 120-130. | 5.3 | 64 |
| 86 | Mechanism Underlying the Effectiveness of Deferiprone in Alleviating Parkinson's Disease Symptoms. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1118-1127. | 1.7 | 21 |
| 87 | The effect of vitamin C and iron on dopamine-mediated free radical generation: implications to Parkinson's disease. <i>Dalton Transactions</i> , 2018, 47, 4059-4069. | 1.6 | 20 |
| 88 | Copper Inhibition of Triplet-Induced Reactions Involving Natural Organic Matter. <i>Environmental Science & Technology</i> , 2018, 52, 2742-2750. | 4.6 | 36 |
| 89 | Capacitive Membrane Stripping for Ammonia Recovery (CapAmm) from Dilute Wastewaters. <i>Environmental Science and Technology Letters</i> , 2018, 5, 43-49. | 3.9 | 111 |
| 90 | Effect of release of dopamine on iron transformations and reactive oxygen species (ROS) generation under conditions typical of coastal waters. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 232-244. | 1.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Effects of Goodâ€™s Buffers and pH on the Structural Transformation of Zero Valent Iron and the Oxidative Degradation of Contaminants. <i>Environmental Science & Technology</i> , 2018, 52, 1393-1403. | 4.6 | 35 |
| 92 | pH-dependence of production of oxidants (Cu(III) and/or HOâ€¢) by copper-catalyzed decomposition of hydrogen peroxide under conditions typical of natural saline waters. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 30-47. | 1.6 | 41 |
| 93 | Faradaic reactions in capacitive deionization (CDI) - problems and possibilities: A review. <i>Water Research</i> , 2018, 128, 314-330. | 5.3 | 523 |
| 94 | Ligand-promoted reductive cleaning of iron-fouled membranes from submerged membrane bioreactors. <i>Journal of Membrane Science</i> , 2018, 545, 126-132. | 4.1 | 3 |
| 95 | Role of adsorption in combined membrane fouling by biopolymers coexisting with inorganic particles. <i>Chemosphere</i> , 2018, 191, 226-234. | 4.2 | 22 |
| 96 | Effect of <i>Shewanella oneidensis</i> on the Kinetics of Fe(II)-Catalyzed Transformation of Ferrihydrite to Crystalline Iron Oxides. <i>Environmental Science & Technology</i> , 2018, 52, 114-123. | 4.6 | 80 |
| 97 | <i>In vitro</i> characterization of reactive oxygen species (ROS) generation by the commercially available Mesosilverâ„¢ dietary supplement. <i>Environmental Science: Nano</i> , 2018, 5, 2686-2698. | 2.2 | 5 |
| 98 | Continuous Ammonia Recovery from Wastewaters Using an Integrated Capacitive Flow Electrode Membrane Stripping System. <i>Environmental Science & Technology</i> , 2018, 52, 14275-14285. | 4.6 | 131 |
| 99 | Integration of photovoltaic energy supply with membrane capacitive deionization (MCDI) for salt removal from brackish waters. <i>Water Research</i> , 2018, 147, 276-286. | 5.3 | 94 |
| 100 | Advances in Surface Passivation of Nanoscale Zerovalent Iron: A Critical Review. <i>Environmental Science & Technology</i> , 2018, 52, 12010-12025. | 4.6 | 225 |
| 101 | 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 |
| 102 | Kinetic Modeling of pH-Dependent Oxidation of Dopamine by Iron and Its Relevance to Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 859. | 1.4 | 30 |
| 103 | Transformation of AgCl Particles under Conditions Typical of Natural Waters: Implications for Oxidant Generation. <i>Environmental Science & Technology</i> , 2018, 52, 11621-11631. | 4.6 | 2 |
| 104 | Correlating fluorescence spectral properties with DOM molecular weight and size distribution in wastewater treatment systems. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1933-1943. | 1.2 | 22 |
| 105 | Investigating the effect of ascorbate on the Fe(II)-catalyzed transformation of the poorly crystalline iron mineral ferrihydrite. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1760-1769. | 1.1 | 8 |
| 106 | Short-Circuited Closed-Cycle Operation of Flow-Electrode CDI for Brackish Water Softening. <i>Environmental Science & Technology</i> , 2018, 52, 9350-9360. | 4.6 | 146 |
| 107 | Analysis of capacitive and electro-dialytic contributions to water desalination by flow-electrode CDI. <i>Water Research</i> , 2018, 144, 296-303. | 5.3 | 135 |
| 108 | Active chlorine mediated ammonia oxidation revisited: Reaction mechanism, kinetic modelling and implications. <i>Water Research</i> , 2018, 145, 220-230. | 5.3 | 158 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Oxidant Generation Resulting from the Interaction of Copper with Menadione (Vitamin K3)â€”a Model for Metal-mediated Oxidant Generation in Living Systems. <i>Journal of Inorganic Biochemistry</i> , 2018, 188, 38-49. | 1.5 | 4 |
| 110 | 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 |
| 111 | Contaminant Removal from Source Waters Using Cathodic Electrochemical Membrane Filtration: Mechanisms and Implications. <i>Environmental Science & Technology</i> , 2017, 51, 2757-2765. | 4.6 | 76 |
| 112 | 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 |
| 113 | Comparison of Faradaic reactions in capacitive deionization (CDI) and membrane capacitive deionization (MCDI) water treatment processes. <i>Water Research</i> , 2017, 120, 229-237. | 5.3 | 242 |
| 114 | The short-term reduction of uranium by nanoscale zero-valent iron (nZVI): role of oxide shell, reduction mechanism and the formation of U(ν)-carbonate phases. <i>Environmental Science: Nano</i> , 2017, 4, 1304-1313. | 2.2 | 47 |
| 115 | Optimization of sulfate removal from brackish water by membrane capacitive deionization (MCDI). <i>Water Research</i> , 2017, 121, 302-310. | 5.3 | 101 |
| 116 | Quantitative determination of trace hydrogen peroxide in the presence of sulfide using the Amplex Red/horseradish peroxidase assay. <i>Analytica Chimica Acta</i> , 2017, 963, 61-67. | 2.6 | 36 |
| 117 | Redox characterization of the Fe(II)-catalyzed transformation of ferrihydrite to goethite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 257-272. | 1.6 | 63 |
| 118 | Fe(II) Interactions with Smectites: Temporal Changes in Redox Reactivity and the Formation of Green Rust. <i>Environmental Science & Technology</i> , 2017, 51, 12573-12582. | 4.6 | 26 |
| 119 | Electrochemically Generated <i>cis</i> -Carboxylato-Coordinated Iron(IV) Oxo Acidâ€”Base Congeners as Promiscuous Oxidants of Water Pollutants. <i>Inorganic Chemistry</i> , 2017, 56, 14936-14947. | 1.9 | 28 |
| 120 | Foreword to the Special Issue from the Interfaces Against Pollution 2016 Conference: Environmental Challenges and Opportunities. <i>Environmental Chemistry</i> , 2017, 14, i. | 0.7 | 0 |
| 121 | Role of membrane and compound properties in affecting the rejection of pharmaceuticals by different RO/NF membranes. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1. | 3.3 | 56 |
| 122 | Formation, reactivity and aging of amorphous ferric oxides in the presence of model and membrane bioreactor derived organics. <i>Water Research</i> , 2017, 124, 341-352. | 5.3 | 9 |
| 123 | Response of Microbial Community Function to Fluctuating Geochemical Conditions within a Legacy Radioactive Waste Trench Environment. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 1.4 | 12 |
| 124 | Iron Redox Transformations in the Presence of Natural Organic Matter: Effect of Calcium. <i>Environmental Science & Technology</i> , 2017, 51, 10413-10422. | 4.6 | 14 |
| 125 | Investigation of pH-dependent phosphate removal from wastewaters by membrane capacitive deionization (MCDI). <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 875-882. | 1.2 | 43 |
| 126 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Use of fourier transform infrared spectroscopy to examine the Fe(II)-Catalyzed transformation of ferrihydrite. <i>Talanta</i> , 2017, 175, 30-37. | 2.9 | 38 |
| 128 | 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 |
| 129 | Cost-effective <i>Chlorella</i> biomass production from dilute wastewater using a novel photosynthetic microbial fuel cell (PMFC). <i>Water Research</i> , 2017, 108, 356-364. | 5.3 | 85 |
| 130 | Fenton, photo-Fenton and Fenton-like processes. <i>Water Intelligence Online</i> , 2017, 16, 297-332. | 0.3 | 2 |
| 131 | Importance of Iron Complexation for Fenton-Mediated Hydroxyl Radical Production at Circumneutral pH. <i>Frontiers in Marine Science</i> , 2016, 3, . | 1.2 | 73 |
| 132 | Uranium Reduction by Fe(II) in the Presence of Montmorillonite and Nontronite. <i>Environmental Science & Technology</i> , 2016, 50, 8223-8230. | 4.6 | 52 |
| 133 | Specific global responses to N and Fe nutrition in toxic and non-toxic <i>Microcystis aeruginosa</i> . <i>Environmental Microbiology</i> , 2016, 18, 401-413. | 1.8 | 27 |
| 134 | Cellular characteristics and growth behavior of iron-limited <i>Microcystis aeruginosa</i> in nutrient-depleted and nutrient-replete chemostat systems. <i>Limnology and Oceanography</i> , 2016, 61, 2151-2164. | 1.6 | 7 |
| 135 | Investigation of early hydration dynamics and microstructural development in ordinary Portland cement using ¹ H NMR relaxometry and isothermal calorimetry. <i>Cement and Concrete Research</i> , 2016, 83, 131-139. | 4.6 | 67 |
| 136 | An in situ XAS study of ferric iron hydrolysis and precipitation in the presence of perchlorate, nitrate, chloride and sulfate. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 177, 150-169. | 1.6 | 27 |
| 137 | Investigation of fluoride removal from low-salinity groundwater by single-pass constant-voltage capacitive deionization. <i>Water Research</i> , 2016, 99, 112-121. | 5.3 | 94 |
| 138 | Faradaic Reactions in Water Desalination by Batch-Mode Capacitive Deionization. <i>Environmental Science and Technology Letters</i> , 2016, 3, 222-226. | 3.9 | 250 |
| 139 | Fluoride Removal from Brackish Groundwaters by Constant Current Capacitive Deionization (CDI). <i>Environmental Science & Technology</i> , 2016, 50, 10570-10579. | 4.6 | 80 |
| 140 | Influence of Dissolved Silicate on Rates of Fe(II) Oxidation. <i>Environmental Science & Technology</i> , 2016, 50, 11663-11671. | 4.6 | 59 |
| 141 | Numerical simulations of impact of membrane module design variables on aeration patterns in membrane bioreactors. <i>Journal of Membrane Science</i> , 2016, 520, 201-213. | 4.1 | 32 |
| 142 | The reduction of 4-chloronitrobenzene by Fe(II)-Fe(III) oxide systems - correlations with reduction potential and inhibition by silicate. <i>Journal of Hazardous Materials</i> , 2016, 320, 143-149. | 6.5 | 31 |
| 143 | Physiological and Proteomic Responses of Continuous Cultures of <i>Microcystis aeruginosa</i> PCC 7806 to Changes in Iron Bioavailability and Growth Rate. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5918-5929. | 1.4 | 42 |
| 144 | Development of Redox-Active Flow Electrodes for High-Performance Capacitive Deionization. <i>Environmental Science & Technology</i> , 2016, 50, 13495-13501. | 4.6 | 122 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | The tortoise versus the hare - Possible advantages of microparticulate zerovalent iron (mZVI) over nanoparticulate zerovalent iron (nZVI) in aerobic degradation of contaminants. <i>Water Research</i> , 2016, 105, 331-340. | 5.3 | 46 |
| 146 | Mechanistic and kinetic insights into the ligand-promoted depassivation of bimetallic zero-valent iron nanoparticles. <i>Environmental Science: Nano</i> , 2016, 3, 737-744. | 2.2 | 19 |
| 147 | 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 |
| 148 | Fluid Structure Interaction analysis of lateral fibre movement in submerged membrane reactors. <i>Journal of Membrane Science</i> , 2016, 504, 240-250. | 4.1 | 19 |
| 149 | Oxidative Dissolution of Silver Nanoparticles by Chlorine: Implications to Silver Nanoparticle Fate and Toxicity. <i>Environmental Science & Technology</i> , 2016, 50, 3890-3896. | 4.6 | 62 |
| 150 | Reduced Uranium Phases Produced from Anaerobic Reaction with Nanoscale Zerovalent Iron. <i>Environmental Science & Technology</i> , 2016, 50, 2595-2601. | 4.6 | 43 |
| 151 | Effect of Structural Transformation of Nanoparticulate Zero-Valent Iron on Generation of Reactive Oxygen Species. <i>Environmental Science & Technology</i> , 2016, 50, 3820-3828. | 4.6 | 124 |
| 152 | Chlorine-Mediated Regeneration of Semiconducting AgCl(s) Following Light-Induced Ag ₀ Formation: Implications to Contaminant Degradation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5988-5996. | 1.5 | 15 |
| 153 | Reductive reactivity of borohydride- and dithionite-synthesized iron-based nanoparticles: A comparative study. <i>Journal of Hazardous Materials</i> , 2016, 303, 101-110. | 6.5 | 26 |
| 154 | Isotopically exchangeable Al in coastal lowland acid sulfate soils. <i>Science of the Total Environment</i> , 2016, 542, 129-135. | 3.9 | 1 |
| 155 | Effect of iron on membrane fouling by alginate in the absence and presence of calcium. <i>Journal of Membrane Science</i> , 2016, 497, 289-299. | 4.1 | 35 |
| 156 | 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 |
| 157 | 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 |
| 158 | Effect of ferric and ferrous iron addition on phosphorus removal and fouling in submerged membrane bioreactors. <i>Water Research</i> , 2015, 69, 210-222. | 5.3 | 105 |
| 159 | Effect of ionic strength on ligand exchange kinetics between a mononuclear ferric citrate complex and siderophore desferrioxamine B. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 154, 81-97. | 1.6 | 8 |
| 160 | Light-Induced Extracellular Electron Transport by the Marine Raphidophyte <i>Chattonella marina</i> . <i>Environmental Science & Technology</i> , 2015, 49, 1392-1399. | 4.6 | 40 |
| 161 | Uranium Binding Mechanisms of the Acid-Tolerant Fungus <i>Coniochaeta fodinicola</i> . <i>Environmental Science & Technology</i> , 2015, 49, 8487-8496. | 4.6 | 36 |
| 162 | Ascorbic acid-mediated reductive cleaning of iron-fouled membranes from submerged membrane bioreactors. <i>Journal of Membrane Science</i> , 2015, 477, 194-202. | 4.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Kinetic Modeling of the Electro-Fenton Process: Quantification of Reactive Oxygen Species Generation. <i>Electrochimica Acta</i> , 2015, 176, 51-58. | 2.6 | 104 |
| 164 | Interfaces against pollution 2014: From fundamental to applied environmental physical chemistry. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 307. | 5.0 | 2 |
| 165 | Contaminant degradation by irradiated semiconducting silver chloride particles: Kinetics and modelling. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 366-372. | 5.0 | 6 |
| 166 | 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 |
| 167 | The role of bacterial and algal exopolymeric substances in iron chemistry. <i>Marine Chemistry</i> , 2015, 173, 148-161. | 0.9 | 44 |
| 168 | Iron and phosphorus speciation in Fe-conditioned membrane bioreactor activated sludge. <i>Water Research</i> , 2015, 76, 213-226. | 5.3 | 53 |
| 169 | Numerical simulation of bubble induced shear in membrane bioreactors: Effects of mixed liquor rheology and membrane configuration. <i>Water Research</i> , 2015, 75, 131-145. | 5.3 | 52 |
| 170 | Ferrous iron oxidation by molecular oxygen under acidic conditions: The effect of citrate, EDTA and fulvic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 117-131. | 1.6 | 107 |
| 171 | Fluoride and nitrate removal from brackish groundwaters by batch-mode capacitive deionization. <i>Water Research</i> , 2015, 84, 342-349. | 5.3 | 185 |
| 172 | Competitive Effects of Calcium and Magnesium Ions on the Photochemical Transformation and Associated Cellular Uptake of Iron by the Freshwater Cyanobacterial Phytoplankton <i>Microcystis aeruginosa</i> . <i>Environmental Science & Technology</i> , 2015, 49, 9133-9142. | 4.6 | 25 |
| 173 | Calcium-mediated polysaccharide gel formation and breakage: Impact on membrane foulant hydraulic properties. <i>Journal of Membrane Science</i> , 2015, 475, 395-405. | 4.1 | 60 |
| 174 | Cleaning strategies for iron-fouled membranes from submerged membrane bioreactor treatment of wastewaters. <i>Journal of Membrane Science</i> , 2015, 475, 9-21. | 4.1 | 30 |
| 175 | Depassivation of Aged Fe ⁰ by Divalent Cations: Correlation between Contaminant Degradation and Surface Complexation Constants. <i>Environmental Science & Technology</i> , 2014, 48, 14564-14571. | 4.6 | 61 |
| 176 | Mechanistic Insights into Free Chlorine and Reactive Oxygen Species Production on Irradiation of Semiconducting Silver Chloride Particles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26659-26670. | 1.5 | 22 |
| 177 | <i>Fodinomyces uranophilus</i> gen. nov. sp. nov. and <i>Coniochaeta fodinicola</i> sp. nov., two uranium mine-inhabiting Ascomycota fungi from northern Australia. <i>Mycologia</i> , 2014, 106, 1073-1089. | 0.8 | 43 |
| 178 | Cu(II)-catalyzed oxidation of dopamine in aqueous solutions: Mechanism and kinetics. <i>Journal of Inorganic Biochemistry</i> , 2014, 137, 74-84. | 1.5 | 79 |
| 179 | Kinetics and mechanism of auto- and copper-catalyzed oxidation of 1,4-naphthohydroquinone. <i>Free Radical Biology and Medicine</i> , 2014, 71, 291-302. | 1.3 | 31 |
| 180 | Removal of phosphorus from wastewaters using ferrous salts - A pilot scale membrane bioreactor study. <i>Water Research</i> , 2014, 57, 140-150. | 5.3 | 54 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Ferrous iron oxidation under acidic conditions – The effect of ferric oxide surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 145, 1-12. | 1.6 | 106 |
| 182 | Optimizing the Design and Synthesis of Supported Silver Nanoparticles for Low Cost Water Disinfection. <i>Environmental Science & Technology</i> , 2014, 48, 12320-12326. | 4.6 | 15 |
| 183 | Fenton-like zero-valent silver nanoparticle-mediated hydroxyl radical production. <i>Journal of Catalysis</i> , 2014, 317, 198-205. | 3.1 | 67 |
| 184 | Reduction of U(VI) by Fe(II) during the Fe(II)-Accelerated Transformation of Ferrihydrite. <i>Environmental Science & Technology</i> , 2014, 48, 9086-9093. | 4.6 | 67 |
| 185 | Solution Speciation of Plutonium and Americium at an Australian Legacy Radioactive Waste Disposal Site. <i>Environmental Science & Technology</i> , 2014, 48, 10045-10053. | 4.6 | 25 |
| 186 | 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 |
| 187 | Resolving Early Stages of Homogeneous Iron(III) Oxyhydroxide Formation from Iron(III) Nitrate Solutions at pH 3 Using Time-Resolved SAXS. <i>Langmuir</i> , 2014, 30, 3548-3556. | 1.6 | 29 |
| 188 | Photodegradation of contaminants using Ag@AgCl/rGO assemblages: Possibilities and limitations. <i>Catalysis Today</i> , 2014, 224, 122-131. | 2.2 | 19 |
| 189 | Exchangeable and secondary mineral reactive pools of aluminium in coastal lowland acid sulfate soils. <i>Science of the Total Environment</i> , 2014, 485-486, 232-240. | 3.9 | 17 |
| 190 | Impact of iron dosing of membrane bioreactors on membrane fouling. <i>Chemical Engineering Journal</i> , 2014, 252, 239-248. | 6.6 | 29 |
| 191 | Electrically released iron for fouling control in membrane bioreactors: A double-edged sword?. <i>Desalination</i> , 2014, 347, 10-14. | 4.0 | 19 |
| 192 | Effects of Aggregate Structure on the Dissolution Kinetics of Citrate-Stabilized Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2013, 47, 9148-9156. | 4.6 | 102 |
| 193 | Copper-Catalyzed Hydroquinone Oxidation and Associated Redox Cycling of Copper under Conditions Typical of Natural Saline Waters. <i>Environmental Science & Technology</i> , 2013, 47, 8355-8364. | 4.6 | 103 |
| 194 | A Changing Framework for Urban Water Systems. <i>Environmental Science & Technology</i> , 2013, 47, 10721-10726. | 4.6 | 208 |
| 195 | Depassivation of Aged Fe ⁰ by Ferrous Ions: Implications to Contaminant Degradation. <i>Environmental Science & Technology</i> , 2013, 47, 13712-13720. | 4.6 | 64 |
| 196 | An in situ quick-EXAFS and redox potential study of the Fe(II)-catalysed transformation of ferrihydrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 435, 2-8. | 2.3 | 48 |
| 197 | Interfaces against Pollution: A 'Rendez-Vous' between colloid physical chemistry and (bio) geoscience. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 435, 1. | 2.3 | 0 |
| 198 | Hydroxyl Radical Production by H ₂ O ₂ -Mediated Oxidation of Fe(II) Complexed by Suwannee River Fulvic Acid Under Circumneutral Freshwater Conditions. <i>Environmental Science & Technology</i> , 2013, 47, 829-835. | 4.6 | 95 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Fenton-like copper redox chemistry revisited: Hydrogen peroxide and superoxide mediation of copper-catalyzed oxidant production. <i>Journal of Catalysis</i> , 2013, 301, 54-64. | 3.1 | 508 |
| 200 | Synthesis and Characterization of Antibacterial Silver Nanoparticle-Impregnated Rice Husks and Rice Husk Ash. <i>Environmental Science & Technology</i> , 2013, 47, 5276-5284. | 4.6 | 50 |
| 201 | Depassivation of Aged Fe ⁰ by Inorganic Salts: Implications to Contaminant Degradation in Seawater. <i>Environmental Science & Technology</i> , 2013, 47, 7350-7356. | 4.6 | 41 |
| 202 | Iron Redox Transformations in Continuously Photolyzed Acidic Solutions Containing Natural Organic Matter: Kinetic and Mechanistic Insights. <i>Environmental Science & Technology</i> , 2013, 47, 9190-9197. | 4.6 | 35 |
| 203 | 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 |
| 204 | Computational fluid dynamics (CFD) analysis of membrane reactors: modelling of membrane bioreactors for municipal wastewater treatment. , 2013, , 532-568. | | 5 |
| 205 | Silver Nanoparticle-Algae Interactions: Oxidative Dissolution, Reactive Oxygen Species Generation and Synergistic Toxic Effects. <i>Environmental Science & Technology</i> , 2012, 46, 8731-8738. | 4.6 | 151 |
| 206 | Effects of pH, Chloride, and Bicarbonate on Cu(I) Oxidation Kinetics at Circumneutral pH. <i>Environmental Science & Technology</i> , 2012, 46, 1527-1535. | 4.6 | 119 |
| 207 | Impact of Natural Organic Matter on H ₂ O ₂ -Mediated Oxidation of Fe(II) in Coastal Seawaters. <i>Environmental Science & Technology</i> , 2012, 46, 11078-11085. | 4.6 | 35 |
| 208 | Methods for reactive oxygen species (ROS) detection in aqueous environments. <i>Aquatic Sciences</i> , 2012, 74, 683-734. | 0.6 | 330 |
| 209 | Kinetics of Cu(II) Reduction by Natural Organic Matter. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6590-6599. | 1.1 | 86 |
| 210 | H ₂ O ₂ -Mediated Oxidation of Zero-Valent Silver and Resultant Interactions among Silver Nanoparticles, Silver Ions, and Reactive Oxygen Species. <i>Langmuir</i> , 2012, 28, 10266-10275. | 1.6 | 148 |
| 211 | The impacts of low-cost treatment options upon scale formation potential in remote communities reliant on hard groundwaters. A case study: Northern Territory, Australia. <i>Science of the Total Environment</i> , 2012, 416, 22-31. | 3.9 | 11 |
| 212 | Effects of pH, floc age and organic compounds on the removal of phosphate by pre-polymerized hydrous ferric oxides. <i>Separation and Purification Technology</i> , 2012, 91, 38-45. | 3.9 | 51 |
| 213 | Superoxide-Mediated Formation and Charging of Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2011, 45, 1428-1434. | 4.6 | 144 |
| 214 | Mechanism and Kinetics of Ligand Exchange between Ferric Citrate and Desferrioxamine B. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5371-5379. | 1.1 | 18 |
| 215 | Phthalhydrazide Chemiluminescence Method for Determination of Hydroxyl Radical Production: Modifications and Adaptations for Use in Natural Systems. <i>Analytical Chemistry</i> , 2011, 83, 261-268. | 3.2 | 49 |
| 216 | Silver Nanoparticle-Reactive Oxygen Species Interactions: Application of a Charging-Discharging Model. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5461-5468. | 1.5 | 193 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Effect of Amorphous Fe(III) Oxide Transformation on the Fe(II)-Mediated Reduction of U(VI). <i>Environmental Science & Technology</i> , 2011, 45, 1327-1333. | 4.6 | 96 |
| 218 | Mineral species control of aluminum solubility in sulfate-rich acidic waters. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 965-977. | 1.6 | 55 |
| 219 | Photochemical production of superoxide and hydrogen peroxide from natural organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4310-4320. | 1.6 | 142 |
| 220 | 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 |
| 221 | Formation, reactivity, and aging of ferric oxide particles formed from Fe(II) and Fe(III) sources: Implications for iron bioavailability in the marine environment. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7741-7758. | 1.6 | 43 |
| 222 | Novel application of a fish gill cell line assay to assess ichthyotoxicity of harmful marine microalgae. <i>Harmful Algae</i> , 2011, 10, 366-373. | 2.2 | 50 |
| 223 | Silver-modified mesoporous TiO ₂ photocatalyst for water purification. <i>Water Research</i> , 2011, 45, 2095-2103. | 5.3 | 196 |
| 224 | Applications of Time-Resolved Laser Fluorescence Spectroscopy to the Environmental Biogeochemistry of Actinides. <i>Journal of Environmental Quality</i> , 2011, 40, 731-741. | 1.0 | 35 |
| 225 | Iron uptake and toxin synthesis in the bloom-forming <i>Microcystis aeruginosa</i> under iron limitation. <i>Environmental Microbiology</i> , 2011, 13, 1064-1077. | 1.8 | 123 |
| 226 | Speciation and transport of arsenic in an acid sulfate soil-dominated catchment, eastern Australia. <i>Chemosphere</i> , 2011, 82, 879-887. | 4.2 | 19 |
| 227 | Comment on "Application of a superoxide (O ₂ ^{•-}) thermal source (SOTS-1) for the determination and calibration of O ₂ ^{•-} fluxes in seawater" by Heller and Croot. <i>Analytica Chimica Acta</i> , 2011, 702, 144-145. | 2.6 | 3 |
| 228 | Enhanced inactivation of bacteria with silver-modified mesoporous TiO ₂ under weak ultraviolet irradiation. <i>Microporous and Mesoporous Materials</i> , 2011, 144, 97-104. | 2.2 | 40 |
| 229 | Natural organic matter fouling of microfiltration membranes: Prediction of constant flux behavior from constant pressure materials properties determination. <i>Journal of Membrane Science</i> , 2011, 366, 192-202. | 4.1 | 32 |
| 230 | Combined effect of membrane and foulant hydrophobicity and surface charge on adsorptive fouling during microfiltration. <i>Journal of Membrane Science</i> , 2011, 373, 140-151. | 4.1 | 175 |
| 231 | Quantification of solid pressure in the concentration polarization (CP) layer of colloidal particles and its impact on ultrafiltration. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 290-300. | 5.0 | 9 |
| 232 | Iron Uptake by Toxic and Nontoxic Strains of <i>Microcystis aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 7068-7071. | 1.4 | 25 |
| 233 | 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 |
| 234 | Dynamics of nonphotochemical superoxide production in the Great Barrier Reef lagoon. <i>Limnology and Oceanography</i> , 2010, 55, 1521-1536. | 1.6 | 45 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Process optimization in use of zero valent iron nanoparticles for oxidative transformations. <i>Chemosphere</i> , 2010, 81, 127-131. | 4.2 | 50 |
| 236 | Influence of calcium and silica on hydraulic properties of sodium montmorillonite assemblages under alkaline conditions. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 366-373. | 5.0 | 7 |
| 237 | Effect of aggregate characteristics under different coagulation mechanisms on microfiltration membrane fouling. <i>Desalination</i> , 2010, 258, 19-27. | 4.0 | 29 |
| 238 | Effect of Fe(II) and Fe(III) Transformation Kinetics on Iron Acquisition by a Toxic Strain of <i>Microcystis aeruginosa</i> . <i>Environmental Science & Technology</i> , 2010, 44, 1980-1986. | 4.6 | 55 |
| 239 | Role of Heterogeneous Precipitation in Determining the Nature of Products Formed on Oxidation of Fe(II) in Seawater Containing Natural Organic Matter. <i>Environmental Science & Technology</i> , 2010, 44, 6667-6673. | 4.6 | 24 |
| 240 | Oxygen and Superoxide-Mediated Redox Kinetics of Iron Complexed by Humic Substances in Coastal Seawater. <i>Environmental Science & Technology</i> , 2010, 44, 9337-9342. | 4.6 | 45 |
| 241 | Schwertmannite stability in acidified coastal environments. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 482-496. | 1.6 | 61 |
| 242 | Formation, aggregation and reactivity of amorphous ferric oxyhydroxides on dissociation of Fe(III)-organic complexes in dilute aqueous suspensions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5746-5762. | 1.6 | 27 |
| 243 | Iron speciation and iron species transformation in activated sludge membrane bioreactors. <i>Water Research</i> , 2010, 44, 3511-3521. | 5.3 | 51 |
| 244 | Prediction of transmembrane pressure build-up in constant flux microfiltration of compressible materials in the absence and presence of shear. <i>Journal of Membrane Science</i> , 2009, 344, 204-210. | 4.1 | 20 |
| 245 | Analysis of polysaccharide, protein and humic acid retention by microfiltration membranes using Thomas's dynamic adsorption model. <i>Journal of Membrane Science</i> , 2009, 342, 22-34. | 4.1 | 55 |
| 246 | Dissociation kinetics of Fe(III)- and Al(III)-natural organic matter complexes at pH 6.0 and 8.0 and 25°C. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2875-2887. | 1.6 | 35 |
| 247 | 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 |
| 248 | The effect of silica and natural organic matter on the Fe(II)-catalysed transformation and reactivity of Fe(III) minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4409-4422. | 1.6 | 318 |
| 249 | Isotopically Exchangeable Concentrations of Elements Having Multiple Oxidation States: The Case of Fe(II)/Fe(III) Isotope Self-Exchange in Coastal Lowland Acid Sulfate Soils. <i>Environmental Science & Technology</i> , 2009, 43, 5365-5370. | 4.6 | 8 |
| 250 | Role of Gelling Soluble and Colloidal Microbial Products in Membrane Fouling. <i>Environmental Science & Technology</i> , 2009, 43, 9341-9347. | 4.6 | 134 |
| 251 | Management of Concentrated Waste Streams from High-Pressure Membrane Water Treatment Systems. <i>Critical Reviews in Environmental Science and Technology</i> , 2009, 39, 367-415. | 6.6 | 76 |
| 252 | New method for the determination of extracellular production of superoxide by marine phytoplankton using the chemiluminescence probes MCLA and redoxCLA. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 682-692. | 1.0 | 52 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Retention of soluble microbial products in submerged membrane bioreactors. <i>Desalination and Water Treatment</i> , 2009, 6, 131-137. | 1.0 | 2 |
| 254 | Determination of hydraulic and depth-dependent properties of nematically ordered montmorillonite assemblages during microfiltration. <i>Journal of Membrane Science</i> , 2008, 313, 232-241. | 4.1 | 3 |
| 255 | Application of local material properties to prediction of constant flux filtration behaviour of compressible matter. <i>Journal of Membrane Science</i> , 2008, 318, 191-200. | 4.1 | 5 |
| 256 | Effectiveness of an Open Limestone Channel in Treating Acid Sulfate Soil Drainage. <i>Water, Air, and Soil Pollution</i> , 2008, 191, 293-304. | 1.1 | 7 |
| 257 | Treatment of Acid Sulfate Soil Drainage using Limestone in a Closed Tank Reactor. <i>Water, Air, and Soil Pollution</i> , 2008, 191, 319-330. | 1.1 | 1 |
| 258 | Effect of ionic strength and pH on hydraulic properties and structure of accumulating solid assemblages during microfiltration of montmorillonite suspensions. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 214-227. | 5.0 | 37 |
| 259 | Multiphase flow models in quantifying constant pressure dead-end filtration and subsequent cake compression ¹ . Dilute slurry filtration. <i>Journal of Membrane Science</i> , 2008, 308, 35-43. | 4.1 | 11 |
| 260 | Gel layer formation and hollow fiber membrane filterability of polysaccharide dispersions. <i>Journal of Membrane Science</i> , 2008, 322, 204-213. | 4.1 | 71 |
| 261 | Impact of gel layer formation on colloid retention in membrane filtration processes. <i>Journal of Membrane Science</i> , 2008, 325, 486-494. | 4.1 | 84 |
| 262 | Distinguishing between terrestrial and autochthonous organic matter sources in marine environments using fluorescence spectroscopy. <i>Marine Chemistry</i> , 2008, 108, 40-58. | 0.9 | 654 |
| 263 | Transformation dynamics and reactivity of dissolved and colloidal iron in coastal waters. <i>Marine Chemistry</i> , 2008, 110, 165-175. | 0.9 | 24 |
| 264 | Multiphase flow models in quantifying constant pressure dead-end filtration and subsequent cake compression ² . Concentrated slurry filtration and cake compression. <i>Journal of Membrane Science</i> , 2008, 308, 44-53. | 4.1 | 5 |
| 265 | Characterization of floc size and structure under different monomer and polymer coagulants on microfiltration membrane fouling. <i>Journal of Membrane Science</i> , 2008, 321, 132-138. | 4.1 | 130 |
| 266 | Trace elements in ships' ballast water as tracers of mid-ocean exchange. <i>Science of the Total Environment</i> , 2008, 393, 11-26. | 3.9 | 21 |
| 267 | Measurement and Implications of Nonphotochemically Generated Superoxide in the Equatorial Pacific Ocean. <i>Environmental Science & Technology</i> , 2008, 42, 2387-2393. | 4.6 | 86 |
| 268 | Oxygenation of Fe(II) in the Presence of Citrate in Aqueous Solutions at pH 6.0~8.0 and 25 Â°C:â€‰ Interpretation from an Fe(II)/Citrate Speciation Perspective. <i>Journal of Physical Chemistry A</i> , 2008, 112, 643-651. | 1.1 | 63 |
| 269 | pH Effects on Iron-Catalyzed Oxidation using Fentonâ€™s Reagent. <i>Environmental Science & Technology</i> , 2008, 42, 8522-8527. | 4.6 | 201 |
| 270 | Effect of divalent cations on the kinetics of Fe(III) complexation by organic ligands in natural waters. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1335-1349. | 1.6 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | 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 |
| 272 | 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 |
| 273 | Determination of Superoxide in Seawater Using 2-Methyl-6-(4-methoxyphenyl)-3,7-dihydroimidazo[1,2-a]pyrazin-3(7H)-one Chemiluminescence. <i>Analytical Chemistry</i> , 2008, 80, 1215-1227. | 3.2 | 82 |
| 274 | 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. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5395-5405. | 1.1 | 46 |
| 275 | COMPARISON OF THE REACTIVITY OF NANOSIZED ZERO-VALENT IRON (nZVI) PARTICLES PRODUCED BY BOROHYDRIDE AND DITHIONITE REDUCTION OF IRON SALTS. <i>Nano</i> , 2008, 03, 341-349. | 0.5 | 29 |
| 276 | Impact of soil consolidation and solution composition on the hydraulic properties of coastal acid sulfate soils. <i>Soil Research</i> , 2008, 46, 112. | 0.6 | 4 |
| 277 | Reconciling kinetic and equilibrium observations of iron(III) solubility in aqueous solutions with a polymer-based model. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5605-5619. | 1.6 | 26 |
| 278 | Superoxide-mediated reduction of organically complexed iron(III): Impact of pH and competing cations (Ca ²⁺). <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5620-5634. | 1.6 | 20 |
| 279 | Kinetic Modeling of the Oxidation of p-Hydroxybenzoic Acid by Fenton's Reagent: Implications of the Role of Quinones in the Redox Cycling of Iron. <i>Environmental Science & Technology</i> , 2007, 41, 4103-4110. | 4.6 | 120 |
| 280 | Superoxide Mediated Reduction of Organically Complexed Iron(III): Comparison of Non-Dissociative and Dissociative Reduction Pathways. <i>Environmental Science & Technology</i> , 2007, 41, 3205-3212. | 4.6 | 57 |
| 281 | Compressible cake characterization from steady-state filtration analysis. <i>AIChE Journal</i> , 2007, 53, 1483-1495. | 1.8 | 23 |
| 282 | Production of Reactive Oxygen Species on Photolysis of Dilute Aqueous Quinone Solutions. <i>Photochemistry and Photobiology</i> , 2007, 83, 904-913. | 1.3 | 56 |
| 283 | Iron uptake by the ichthyotoxic <i>Chattonella marina</i> (Raphidophyceae): impact of superoxide generation. <i>Journal of Phycology</i> , 2007, 43, 978-991. | 1.0 | 43 |
| 284 | Treatment of Acid Sulfate Soil Drainage By Direct Application of Alkaline Reagents. <i>Water, Air, and Soil Pollution</i> , 2007, 178, 59-68. | 1.1 | 13 |
| 285 | Process Optimization of Fenton Oxidation Using Kinetic Modeling. <i>Environmental Science & Technology</i> , 2006, 40, 4189-4195. | 4.6 | 152 |
| 286 | Kinetics of Fe(III) precipitation in aqueous solutions at pH 6.0~9.5 and 25 °C. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 640-650. | 1.6 | 144 |
| 287 | Superoxide-Mediated Dissolution of Amorphous Ferric Oxyhydroxide in Seawater. <i>Environmental Science & Technology</i> , 2006, 40, 880-887. | 4.6 | 61 |
| 288 | Optimized Parameters for Fluorescence-Based Verification of Ballast Water Exchange by Ships. <i>Environmental Science & Technology</i> , 2006, 40, 2357-2362. | 4.6 | 195 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Role of superoxide in the photochemical reduction of iron in seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3869-3882. | 1.6 | 80 |
| 290 | Hydrochemistry of episodic drainage waters discharged from an acid sulfate soil affected catchment. <i>Journal of Hydrology</i> , 2006, 325, 356-375. | 2.3 | 26 |
| 291 | The FeL model of iron acquisition: Nondissociative reduction of ferric complexes in the marine environment. <i>Limnology and Oceanography</i> , 2006, 51, 1744-1754. | 1.6 | 67 |
| 292 | Environmental life cycle assessment of the microfiltration process. <i>Journal of Membrane Science</i> , 2006, 284, 214-226. | 4.1 | 61 |
| 293 | Sonolysis of 4-chlorophenol in aqueous solution: Effects of substrate concentration, aqueous temperature and ultrasonic frequency. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 415-422. | 3.8 | 157 |
| 294 | The effect of vibration and coagulant addition on the filtration performance of submerged hollow fibre membranes. <i>Journal of Membrane Science</i> , 2006, 281, 726-734. | 4.1 | 108 |
| 295 | Risk and Governance in Water Recycling. <i>Science Technology and Human Values</i> , 2006, 31, 107-134. | 1.7 | 75 |
| 296 | Impact of Aggregate Size and Structure on Biosolids Settleability. <i>Drying Technology</i> , 2006, 24, 1209-1215. | 1.7 | 0 |
| 297 | Characteristics of the Acidity in Acid Sulfate Soil Drainage Waters, McLeods Creek, Northeastern NSW, Australia. <i>Environmental Chemistry</i> , 2006, 3, 225. | 0.7 | 14 |
| 298 | A simplified model for trace organics removal by continuous flow PAC adsorption/submerged membrane processes. <i>Journal of Membrane Science</i> , 2005, 253, 81-87. | 4.1 | 28 |
| 299 | Incorporating phosphorus management considerations into wastewater management practice. <i>Environmental Science and Policy</i> , 2005, 8, 1-15. | 2.4 | 47 |
| 300 | Effect of calcite on lead-rich cementitious solid waste forms. <i>Cement and Concrete Research</i> , 2005, 35, 1027-1037. | 4.6 | 9 |
| 301 | Comparison of solidification/stabilization effects of calcite between Australian and South Korean cements. <i>Cement and Concrete Research</i> , 2005, 35, 2143-2157. | 4.6 | 17 |
| 302 | Oxidative transformation of contaminants using colloidal zero-valent iron. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 265, 88-94. | 2.3 | 103 |
| 303 | Life Cycle Assessment of Water Recycling Technology. <i>Water Resources Management</i> , 2005, 19, 521-537. | 1.9 | 84 |
| 304 | Fenton-Mediated Oxidation in the Presence and Absence of Oxygen. <i>Environmental Science & Technology</i> , 2005, 39, 5052-5058. | 4.6 | 113 |
| 305 | Reduction of Organically Complexed Ferric Iron by Superoxide in a Simulated Natural Water. <i>Environmental Science & Technology</i> , 2005, 39, 2645-2650. | 4.6 | 157 |
| 306 | Impact of Natural Organic Matter on Floc Size and Structure Effects in Membrane Filtration. <i>Environmental Science & Technology</i> , 2005, 39, 6477-6486. | 4.6 | 78 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 307 | Use of Superoxide as an Electron Shuttle for Iron Acquisition by the Marine Cyanobacterium <i>Lyngbya majuscula</i> . <i>Environmental Science & Technology</i> , 2005, 39, 3708-3715. | 4.6 | 136 |
| 308 | Quantification of the Oxidizing Capacity of Nanoparticulate Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2005, 39, 1263-1268. | 4.6 | 417 |
| 309 | Assessment of Trace Estrogenic Contaminants Removal by Coagulant Addition, Powdered Activated Carbon Adsorption and Powdered Activated Carbon/Microfiltration Processes. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 736-742. | 0.7 | 30 |
| 310 | Radiation-Assisted Process Enhancement in Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 155-166. | 0.7 | 22 |
| 311 | Aggregate properties in relation to aggregation conditions under various applied shear environments. <i>International Journal of Mineral Processing</i> , 2004, 73, 295-307. | 2.6 | 32 |
| 312 | Oxidative Degradation of the Carbothioate Herbicide, Molinate, Using Nanoscale Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2004, 38, 2242-2247. | 4.6 | 358 |
| 313 | Predicting iron speciation in coastal waters from the kinetics of sunlight-mediated iron redox cycling. <i>Aquatic Sciences</i> , 2003, 65, 375-383. | 0.6 | 67 |
| 314 | Kinetics of iron complexation by dissolved natural organic matter in coastal waters. <i>Marine Chemistry</i> , 2003, 84, 85-103. | 0.9 | 234 |
| 315 | Kinetics of Hydrolysis and Precipitation of Ferric Iron in Seawater. <i>Environmental Science & Technology</i> , 2003, 37, 3897-3903. | 4.6 | 99 |
| 316 | Dewatering and the hydraulic properties of soft, sulfidic, coastal clay soils. <i>Water Resources Research</i> , 2003, 39, . | 1.7 | 16 |
| 317 | Effect of Dissolved Natural Organic Matter on the Kinetics of Ferrous Iron Oxygenation in Seawater. <i>Environmental Science & Technology</i> , 2003, 37, 4877-4886. | 4.6 | 132 |
| 318 | Kinetic Modeling of TiO ₂ -Catalyzed Photodegradation of Trace Levels of Microcystin-LR. <i>Environmental Science & Technology</i> , 2003, 37, 561-568. | 4.6 | 34 |
| 319 | Adsorption of the Endocrine-Active Compound Estrone on Microfiltration Hollow Fiber Membranes. <i>Environmental Science & Technology</i> , 2003, 37, 3158-3163. | 4.6 | 48 |
| 320 | Removal of natural populations of marine plankton by a large-scale ballast water treatment system. <i>Marine Ecology - Progress Series</i> , 2003, 258, 51-63. | 0.9 | 82 |
| 321 | Solar Pilot-scale Photocatalytic Degradation of Microcystin-LR. <i>Journal of Advanced Oxidation Technologies</i> , 2002, 5, . | 0.5 | 1 |
| 322 | Charge Effects in the Fractionation of Natural Organics Using Ultrafiltration. <i>Environmental Science & Technology</i> , 2002, 36, 2572-2580. | 4.6 | 71 |
| 323 | Kinetic Model for Fe(II) Oxidation in Seawater in the Absence and Presence of Natural Organic Matter. <i>Environmental Science & Technology</i> , 2002, 36, 433-444. | 4.6 | 297 |
| 324 | Photo-Fenton degradation of dichloromethane for gas phase treatment. <i>Chemosphere</i> , 2002, 48, 401-406. | 4.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 325 | A comparison of large-scale electron beam and bench-scale ⁶⁰ Co irradiations of simulated aqueous waste streams. <i>Radiation Physics and Chemistry</i> , 2002, 65, 367-378. | 1.4 | 31 |
| 326 | Kinetic modeling and simulation of PCE and TCE removal in aqueous solutions by electron-beam irradiation. <i>Radiation Physics and Chemistry</i> , 2002, 65, 579-587. | 1.4 | 21 |
| 327 | Effect of pH on the ultrasonic degradation of ionic aromatic compounds in aqueous solution. <i>Ultrasonics Sonochemistry</i> , 2002, 9, 163-168. | 3.8 | 149 |
| 328 | Kinetics and mechanisms of ultrasonic degradation of volatile chlorinated aromatics in aqueous solutions. <i>Ultrasonics Sonochemistry</i> , 2002, 9, 317-323. | 3.8 | 104 |
| 329 | Adsorption of trace steroid estrogens to hydrophobic hollow fibre membranes. <i>Desalination</i> , 2002, 146, 381-386. | 4.0 | 39 |
| 330 | Evidence of Shear Rate Dependence on Restructuring and Breakup of Latex Aggregates. <i>Journal of Colloid and Interface Science</i> , 2001, 236, 67-77. | 5.0 | 161 |
| 331 | Chemiluminescence of Luminol in the Presence of Iron(II) and Oxygen: A Oxidation Mechanism and Implications for Its Analytical Use. <i>Analytical Chemistry</i> , 2001, 73, 5909-5920. | 3.2 | 161 |
| 332 | Photocatalytic Degradation of the Blue Green Algal Toxin Microcystin-LR in a Natural Organic-Aqueous Matrix. <i>Environmental Science & Technology</i> , 1999, 33, 243-249. | 4.6 | 100 |
| 333 | Adsorption and Sensitization Effects in Photocatalytic Degradation of Trace Contaminants. <i>ACS Symposium Series</i> , 1999, , 374-392. | 0.5 | 1 |
| 334 | Rapid Structure Characterization of Bacterial Aggregates. <i>Environmental Science & Technology</i> , 1998, 32, 3735-3742. | 4.6 | 115 |
| 335 | Baseline trace metal concentrations in New South Wales coastal waters. <i>Marine and Freshwater Research</i> , 1998, 49, 203. | 0.7 | 34 |
| 336 | A Kinetic Study of Cation Release from a Mixed Mineral Assemblage : Implications for Determination of Uranium Uptake. <i>Radiochimica Acta</i> , 1996, 74, 251-256. | 0.5 | 18 |
| 337 | Small Angle X-Ray Scattering of Hematite Aggregates. <i>Particle and Particle Systems Characterization</i> , 1994, 11, 315-319. | 1.2 | 18 |
| 338 | Cessation of Aggregate Growth. <i>Particle and Particle Systems Characterization</i> , 1993, 10, 152-155. | 1.2 | 1 |
| 339 | Manganese dynamics in surface waters of the eastern Caribbean. <i>Journal of Geophysical Research</i> , 1993, 98, 2361-2369. | 3.3 | 11 |
| 340 | Particulate iron formation dynamics in surface waters of the eastern Caribbean. <i>Journal of Geophysical Research</i> , 1993, 98, 2371-2383. | 3.3 | 11 |
| 341 | Photochemistry of Colloids and Surfaces in Natural Waters and Water Treatment. , 1990, , 27-44. | | 2 |
| 342 | Photoassisted dissolution of a colloidal manganese oxide in the presence of fulvic acid. <i>Environmental Science & Technology</i> , 1988, 22, 778-785. | 4.6 | 94 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 343 | Panel 1: Oceanic reactive chemical transients. <i>Applied Geochemistry</i> , 1988, 3, 9-17. | 1.4 | 21 |
| 344 | Photoredox Chemistry of Colloidal Metal Oxides. <i>ACS Symposium Series</i> , 1987, , 426-445. | 0.5 | 10 |
| 345 | Ligand exchange and fluorescence quenching studies of the fulvic acid-iron interaction. <i>Analytica Chimica Acta</i> , 1984, 162, 263-274. | 2.6 | 45 |
| 346 | Coulometric study of the redox dynamics of iron in seawater. <i>Analytical Chemistry</i> , 1984, 56, 787-792. | 3.2 | 70 |
| 347 | Photoreductive dissolution of colloidal iron oxides in natural waters. <i>Environmental Science & Technology</i> , 1984, 18, 860-868. | 4.6 | 271 |
| 348 | Characterization of complexing agents in natural waters by copper(II)/copper(I) amperometry. <i>Analytical Chemistry</i> , 1983, 55, 1268-1274. | 3.2 | 44 |
| 349 | Role of Iron in Light-Induced Environmental Processes. , 0, , 255-298. | | 11 |