# Bill Batchelor

List of Publications by Year
in descending order

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|---|---|---|---|
| 147 papers | 5,390 citations | 66234 42 h-index | 98622 67 g-index |
| 149 all docs | 149 docs citations | 149 times ranked | 5694 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Solution Combustion Synthesis of Novel S,B-Codoped CoFe Oxyhydroxides for the Oxygen Evolution Reaction in Saline Water. ACS Omega, 2022, 7, 5521-5536. | 1.6 | 13 |
| 2 | Oxygenâ€Deficient Cobaltâ€Based Oxides for Electrocatalytic Water Splitting. ChemSusChem, 2021, 14, 10-32. | 3.6 | 103 |
| 3 | Photocatalytic reduction of chlorate in aqueous TiO2 suspension with hole scavenger under simulated solar light. Emergent Materials, 2021, 4, 435-446. | 3.2 | 7 |
| 4 | A review on lithium recovery using electrochemical capturing systems. Desalination, 2021, 500, 114883. | 4.0 | 96 |
| 5 | Salinity gradient energy generation by pressure retarded osmosis: A review. Desalination, 2021, 500, 114841. | 4.0 | 52 |
| 6 | Adapting Early Transition Metal and Nonmetallic Dopants on CoFe Oxyhydroxides for Enhanced Alkaline and Neutral pH Saline Water Oxidation. ACS Applied Energy Materials, 2021, 4, 6942-6956. | 2.5 | 28 |
| 7 | Pyrite (FeS2)-supported ultrafiltration system for removal of mercury (II) from water. Emergent Materials, 2021, 4, 1441-1453. | 3.2 | 3 |
| 8 | Surface microenvironment engineering of black V2O5 nanostructures for visible light photodegradation of methylene blue. Journal of Alloys and Compounds, 2021, 871, 159615. | 2.8 | 26 |
| 9 | Nitrate Reduction by the Ultraviolet-Sulfite Advanced Reduction Process. Environmental Engineering Science, 2021, 38, 927-935. | 0.8 | 4 |
| 10 | Aliphatic polyketone-based thin film composite membrane with mussel-inspired polydopamine intermediate layer for high performance osmotic power generation. Desalination, 2021, 516, 115222. | 4.0 | 21 |
| 11 | Surface treatment-controlled solvothermal synthesis of highly active reduced 1D titania with heterojunctioned carbon allotrope. Emergent Materials, 2021, 4, 389-402. | 3.2 | 5 |
| 12 | Early Transition-Metal-Based Binary Oxide/Nitride for Efficient Electrocatalytic Hydrogen Evolution from Saline Water in Different pH Environments. ACS Applied Materials & Interfaces, 2021, 13, 53702-53716. | 4.0 | 22 |
| 13 | Corrosion behavior of pure titanium anodes in saline medium and their performance for humic acid removal by electrocoagulation. Chemosphere, 2020, 246, 125674. | 4.2 | 28 |
| 14 | Local Surface Modulation Activates Metal Oxide Electrocatalyst for Hydrogen Evolution: Synthesis, Characterization, and DFT Study of Novel Black ZnO. ACS Applied Energy Materials, 2020, 3, 10590-10599. | 2.5 | 17 |
| 15 | Oxygen-deficient perovskites for oxygen evolution reaction in alkaline media: a review. Emergent Materials, 2020, 3, 567-590. | 3.2 | 47 |
| 16 | Enhanced water permeability and osmotic power generation with sulfonate-functionalized porous polymer-incorporated thin film nanocomposite membranes. Desalination, 2020, 496, 114756. | 4.0 | 26 |
| 17 | Defect minimized Ag-ZnO microneedles for photocatalysis. Environmental Science and Pollution Research, 2020, 27, 37036-37043. | 2.7 | 8 |
| 18 | Electrooxidation behavior of ethanol toward carbon microbead-encapsulated ZnO particles derived from coffee waste. Journal of Materials Science: Materials in Electronics, 2020, 31, 6530-6537. | 1.1 | 10 |

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| 19 | Self-oxygenated anataseâ€“rutile phase junction: ensuring the availability of sufficient surface charges for photocatalysis. New Journal of Chemistry, 2020, 44, 5513-5518. | 1.4 | 6 |
| 20 | Membrane distillation coupled with a novel two-stage pretreatment process for petrochemical wastewater treatment and reuse. Separation and Purification Technology, 2019, 224, 23-32. | 3.9 | 38 |
| 21 | Photocatalytic Hydrogen Production: Role of Sacrificial Reagents on the Activity of Oxide, Carbon, and Sulfide Catalysts. Catalysts, 2019, 9, 276. | 1.6 | 214 |
| 22 | Mesoporous TiO<sub>2</sub>â€“BiOBr microspheres with tailorable adsorption capacities for photodegradation of organic water pollutants: probing adsorptionâ€“photocatalysis synergy by combining experiments and kinetic modeling. Environmental Science: Water Research and Technology, 2019, 5, 769-781. | 1.2 | 22 |
| 23 | Removal of arsenite by reductive precipitation in dithionite solution activated by UV light. Journal of Environmental Sciences, 2018, 74, 168-176. | 3.2 | 22 |
| 24 | Response to Comment on â€œVisible-Light-Driven Photocatalytic Degradation of Organic Water Pollutants Promoted by Sulfite Additionâ€. Environmental Science & Technology, 2018, 52, 1677-1678. | 4.6 | 6 |
| 25 | Influence of nanoparticle inclusions on the performance of reverse osmosis membranes. Environmental Science: Water Research and Technology, 2018, 4, 411-420. | 1.2 | 10 |
| 26 | Kinetic Study of Selenium Removal Using Advanced Reduction Process with Dithionite. Environmental Engineering Science, 2018, 35, 169-175. | 0.8 | 10 |
| 27 | Exploration of Ag decoration and Bi doping on the photocatalytic activity Î±â€Fe<sub>2</sub>O<sub>3</sub> under simulated solar light irradiation. Canadian Journal of Chemical Engineering, 2018, 96, 1713-1722. | 0.9 | 9 |
| 28 | Reductive dechlorination of DNAPL mixtures with Fe(II/III)-L and Fe(II)-C: Evaluation using a kinetic model for the competitions. Science of the Total Environment, 2018, 624, 872-877. | 3.9 | 2 |
| 29 | Removal of Se(IV) by the Dithionite/Ultraviolet Advanced Reduction Process: Effects of Process Variables. Environmental Engineering Science, 2018, 35, 927-936. | 0.8 | 6 |
| 30 | A Short Review on Hydrogen, Biofuel, and Electricity Production Using Seawater as a Medium. Energy & Fuels, 2018, 32, 6423-6437. | 2.5 | 53 |
| 31 | Arsenic removal using advanced reduction process with dithionite/UVâ€”A kinetic study. Journal of Water Process Engineering, 2018, 23, 314-319. | 2.6 | 17 |
| 32 | FeOOH and Fe2O3 co-grafted TiO2 photocatalysts for bisphenol A degradation in water. Catalysis Communications, 2017, 97, 125-129. | 1.6 | 27 |
| 33 | Impact of natural organic matter on bromate removal in the sulfite/UV-L advanced reduction process. Water Science and Technology: Water Supply, 2017, 17, 461-471. | 1.0 | 14 |
| 34 | Fe<sub>3</sub>O<sub>4</sub>â€“Ag<sub>2</sub>WO<sub>4</sub>: facile synthesis, characterization and visible light assisted photocatalytic activity. New Journal of Chemistry, 2017, 41, 11722-11730. | 1.4 | 43 |
| 35 | Photochemical Degradation of Arsenic and Selenium with Advanced Reduction Processesâ€”Effects of Reagents. Environmental Engineering Science, 2017, 34, 481-488. | 0.8 | 13 |
| 36 | A windable and stretchable three-dimensional all-inorganic membrane for efficient oil/water separation. Scientific Reports, 2017, 7, 16081. | 1.6 | 18 |

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| 37 | Visible-Light-Driven Photocatalytic Degradation of Organic Water Pollutants Promoted by Sulfite Addition. Environmental Science & Technology, 2017, 51, 13372-13379. | 4.6 | 162 |
| 38 | Dual modification of hematite photoanode by Sn-doping and Nb2O5 layer for water oxidation. Applied Catalysis B: Environmental, 2017, 201, 591-599. | 10.8 | 47 |
| 39 | Solution combustion synthesis and physico-chemical properties of ultrafine CeO<sub>2</sub> nanoparticles and their photocatalytic activity. RSC Advances, 2016, 6, 51238-51245. | 1.7 | 28 |
| 40 | Multifunctional redox-tuned viologen-based covalent organic polymers. Journal of Materials Chemistry A, 2016, 4, 15361-15369. | 5.2 | 114 |
| 41 | Synthesis of integrated membrane desalination and salt production networks. Desalination, 2016, 400, 25-37. | 4.0 | 10 |
| 42 | Application of a reactive adsorbent-coated support system for removal of mercury(II). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 623-630. | 2.3 | 19 |
| 43 | Spectroscopic study of Se(IV) removal from water by reductive precipitation using sulfide. Chemosphere, 2016, 163, 351-358. | 4.2 | 47 |
| 44 | Enhanced electrocatalytic activity of gold nanoparticles on hydroxyapatite nanorods for sensitive hydrazine sensors. Journal of Materials Chemistry A, 2016, 4, 6385-6394. | 5.2 | 83 |
| 45 | Synthesis, characterization, and application of pyrite for removal of mercury. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 490, 326-335. | 2.3 | 53 |
| 46 | Application of TiO2â€“WO3 Composite for Continuous Reduction of Chromium(VI) in Light-limited Condition. , 2016, , . | | 0 |
| 47 | Selective electrochemical detection of 2,4,6-trinitrotoluene (TNT) in water based on poly(styrene-co-acrylic acid) PSA/SiO2/Fe3O4/AuNPs/lignin-modified glassy carbon electrode. Water Science and Technology, 2015, 72, 1780-1788. | 1.2 | 12 |
| 48 | Two-stage sulfate removal from reject brine in inland desalination with zero-liquid discharge. Desalination, 2015, 362, 52-58. | 4.0 | 46 |
| 49 | Application of UVâ€“sulfite advanced reduction process to bromate removal. Journal of Water Process Engineering, 2015, 5, 76-82. | 2.6 | 67 |
| 50 | Fischerâ€“Tropsch Synthesis in Slurry Bubble Column Reactors: Experimental Investigations and Modeling â€“ A Review. International Journal of Chemical Reactor Engineering, 2015, 13, 201-288. | 0.6 | 67 |
| 51 | Photosynthesis of formate from CO<sub>2</sub> and water at 1% energy efficiency via copper iron oxide catalysis. Energy and Environmental Science, 2015, 8, 2638-2643. | 15.6 | 204 |
| 52 | Photochemical degradation of trichloroethylene by sulfite-mediated UV irradiation. Journal of Environmental Chemical Engineering, 2015, 3, 2194-2202. | 3.3 | 29 |
| 53 | Impacts of natural organic matter on perchlorate removal by an advanced reduction process. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 731-740. | 0.9 | 16 |
| 54 | Reactive iron sulfide (FeS)-supported ultrafiltration for removal of mercury (Hg(II)) from water. Water Research, 2014, 53, 310-321. | 5.3 | 79 |

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| 55 | Effect of low- and medium-pressure Hg UV irradiation on bromate removal in advanced reduction process. Chemosphere, 2014, 117, 663-672. | 4.2 | 62 |
| 56 | Degradation of 1,2-dichloroethane using advanced reduction processes. Journal of Environmental Chemical Engineering, 2014, 2, 731-737. | 3.3 | 38 |
| 57 | Degradation of 1,2-dichloroethane with advanced reduction processes (ARPs): Effects of process variables and mechanisms. Chemical Engineering Journal, 2014, 237, 300-307. | 6.6 | 89 |
| 58 | <scp>XPS</scp> analysis of sorption of selenium(IV) and selenium(VI) to mackinawite (<scp>FeS</scp>). Environmental Progress and Sustainable Energy, 2013, 32, 84-93. | 1.3 | 67 |
| 59 | Photochemical degradation of vinyl chloride with an Advanced Reduction Process (ARP) â€“ Effects of reagents and pH. Chemical Engineering Journal, 2013, 215-216, 868-875. | 6.6 | 66 |
| 60 | Degradation of vinyl chloride (VC) by the sulfite/UV advanced reduction process (ARP): Effects of process variables and a kinetic model. Science of the Total Environment, 2013, 454-455, 578-583. | 3.9 | 80 |
| 61 | Advanced Reduction Processes: A New Class of Treatment Processes. Environmental Engineering Science, 2013, 30, 264-271. | 0.8 | 154 |
| 62 | Electroâ€Fenton Treatment of Photographic Processing Wastewater. Clean - Soil, Air, Water, 2013, 41, 635-644. | 0.7 | 21 |
| 63 | Perchlorate reduction by the sulfite/ultraviolet light advanced reduction process. Journal of Hazardous Materials, 2013, 262, 348-356. | 6.5 | 82 |
| 64 | Removal of arsenite(As(III)) and arsenate(As(V)) by synthetic pyrite (FeS 2 ): Synthesis, effect of contact time, and sorption/desorption envelopes. Journal of Colloid and Interface Science, 2013, 392, 311-318. | 5.0 | 64 |
| 65 | Bromate reduction by ultraviolet light irradiation using medium pressure lamp. International Journal of Environmental Studies, 2013, 70, 566-582. | 0.7 | 11 |
| 66 | Electrochemical Inactivation of P. Aeruginosa, A. hydrophila, L. pneumophila using Boron Doped Diamond Anodes. Journal of Advanced Oxidation Technologies, 2013, 16, . | 0.5 | 3 |
| 67 | Evaluating alternative aluminium sources for chloride removal from recycled cooling water. International Journal of Environmental Technology and Management, 2013, 16, 234. | 0.1 | 2 |
| 68 | A systems integration approach to the optimum operation and scheduling of biocide usage and discharge for seawater cooling systems. International Journal of Process Systems Engineering, 2012, 2, 1. | 0.2 | 0 |
| 69 | As(V) adsorption onto nanoporous titania adsorbents (NTAs): Effects of solution composition. Journal of Hazardous Materials, 2012, 229-230, 273-281. | 6.5 | 9 |
| 70 | Reduction of perchlorate using zero-valent titanium (ZVT) anode: Kinetic models. Journal of Colloid and Interface Science, 2012, 385, 122-129. | 5.0 | 5 |
| 71 | A systems-integration approach to the optimization of macroscopic water desalination and distribution networks: a general framework applied to Qatarâ€™s water resources. Clean Technologies and Environmental Policy, 2012, 14, 161-171. | 2.1 | 33 |
| 72 | Perchlorate degradation using aqueous titanium ions produced by oxidative dissolution of zero-valent titanium. Chemical Engineering Journal, 2012, 192, 301-307. | 6.6 | 9 |

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| 73 | Nitrate reduction by green rusts modified with trace metals. Chemosphere, 2012, 86, 860-865. | 4.2 | 35 |
| 74 | Sorption of selenium(IV) and selenium(VI) onto synthetic pyrite (FeS2): Spectroscopic and microscopic analyses. Journal of Colloid and Interface Science, 2012, 368, 496-504. | 5.0 | 45 |
| 75 | Degradation of perchlorate in water using aqueous multivalent titanium: Effect of titanium type, ionic strength, and metal and solid catalysts. Journal of Colloid and Interface Science, 2012, 380, 128-133. | 5.0 | 10 |
| 76 | Reductive dechlorination of chlorinated hydrocarbons as non-aqueous phase liquid (NAPL): Preliminary investigation on effects of cement doses. Science of the Total Environment, 2012, 430, 82-87. | 3.9 | 4 |
| 77 | Perchlorate degradation using a titanium and membrane hybrid (TMH) system: Transport, adsorption, chemical reduction. Journal of Membrane Science, 2012, 390-391, 84-92. | 4.1 | 10 |
| 78 | Photo-Fenton Treatment of Actual Agro-Industrial Wastewaters. Industrial & Engineering Chemistry Research, 2011, 50, 6673-6680. | 1.8 | 79 |
| 79 | Anodic Dissolution of Pure Aluminum during Electrocoagulation Process: Influence of Supporting Electrolyte, Initial pH, and Current Density. Industrial & Engineering Chemistry Research, 2011, 50, 13362-13372. | 1.8 | 98 |
| 80 | Treatment of Pharmaceutical-manufacturing Wastewaters by UV Irradiation/Hydrogen Peroxide Process. Journal of Advanced Oxidation Technologies, 2011, 14, . | 0.5 | 4 |
| 81 | Perchlorate reduction during electrochemically induced pitting corrosion of zero-valent titanium (ZVT). Journal of Hazardous Materials, 2011, 197, 183-189. | 6.5 | 28 |
| 82 | Optimal scheduling of biocide dosing for seawater-cooled power and desalination plants. Clean Technologies and Environmental Policy, 2011, 13, 783-796. | 2.1 | 12 |
| 83 | Sorption of selenium(IV) and selenium(VI) to mackinawite (FeS): Effect of contact time, extent of removal, sorption envelopes. Journal of Hazardous Materials, 2011, 186, 451-457. | 6.5 | 64 |
| 84 | Simulation Model for Multicomponent Removals from Recycled Cooling Water. Journal of Environmental Engineering, ASCE, 2011, 137, 1199-1204. | 0.7 | 0 |
| 85 | Reductive Dechlorination of Tetrachloroethylene by Green Rusts Modified with Copper. Water, Air, and Soil Pollution, 2010, 212, 407-417. | 1.1 | 15 |
| 86 | Surface complexation modeling of arsenic(III) and arsenic(V) adsorption onto nanoporous titania adsorbents (NTAs). Journal of Colloid and Interface Science, 2010, 348, 591-599. | 5.0 | 35 |
| 87 | Electrochemical Treatment of synthetic and Actual Dyeing Wastewaters Using BDD Anodes. Air, Soil and Water Research, 2010, 3, ASWR.S3639. | 1.2 | 5 |
| 88 | Effect of Cement Type on Performance of Ferrous Ironâ€“Based Degradative Solidification and Stabilization. Environmental Engineering Science, 2010, 27, 977-987. | 0.8 | 7 |
| 89 | Synthesis and characterization of pyrite (FeS2) using microwave irradiation. Materials Research Bulletin, 2009, 44, 1553-1558. | 2.7 | 47 |
| 90 | Kinetics of transformation of 1,1,1-trichloroethane by Fe(II) in cement slurries. Journal of Hazardous Materials, 2009, 163, 1315-1321. | 6.5 | 7 |

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| 91 | Macroscopic and X-ray Photoelectron Spectroscopic Investigation of Interactions of Arsenic with Synthesized Pyrite. Environmental Science & Technology, 2009, 43, 2899-2904. | 4.6 | 70 |
| 92 | Hydrogen peroxide decomposition on manganese oxide (pyrolusite): Kinetics, intermediates, and mechanism. Chemosphere, 2009, 75, 8-12. | 4.2 | 151 |
| 93 | PCE DNAPL degradation using ferrous iron solid mixture (ISM). Chemosphere, 2009, 76, 1082-1087. | 4.2 | 5 |
| 94 | X-Ray Photoelectron Spectroscopic Investigation of Interactions of Arsenic with Microwave Synthesized Pyrite as a Function of pH. Environmental Engineering Science, 2009, 26, 1785-1793. | 0.8 | 8 |
| 95 | Towards a Holistic Approach to the Sustainable Use of Seawater for Process Cooling. , 2009, , 332-340. | | 3 |
| 96 | Riverbank filtration for sustainable water supply: application to a large-scale facility on the Nile River. Clean Technologies and Environmental Policy, 2008, 10, 351-358. | 2.1 | 64 |
| 97 | Analysis of dechlorination kinetics of chlorinated aliphatic hydrocarbons by Fe(II) in cement slurries. Journal of Hazardous Materials, 2008, 152, 62-70. | 6.5 | 16 |
| 98 | Nitrate reduction by fluoride green rust modified with copper. Chemosphere, 2008, 70, 1108-1116. | 4.2 | 34 |
| 99 | Dechlorination of trichloroethylene formed from 1,1,2,2-tetrachloroethane by dehydrochlorination in Portland cement slurry including Fe(II). Chemosphere, 2008, 71, 726-734. | 4.2 | 5 |
| 100 | Amendment of hydroxyapatite in reduction of tetrachloroethylene by zero-valent zinc: Its rate enhancing effect and removal of Zn(II). Chemosphere, 2008, 73, 1420-1427. | 4.2 | 28 |
| 101 | Interactions Between Chloride and Sulfate or Silica Removals from Wastewater Using an Advanced Lime-Aluminum Softening Process: Equilibrium Modeling. Water Environment Research, 2007, 79, 528-535. | 1.3 | 5 |
| 102 | Influence of iron-bearing phyllosilicates on the dechlorination kinetics of 1,1,1-trichloroethane in Fe(II)/cement slurries. Chemosphere, 2007, 68, 1254-1261. | 4.2 | 2 |
| 103 | Identification of Active Agents for Tetrachloroethylene Degradation in Portland Cement Slurry Containing Ferrous Iron. Environmental Science & Technology, 2007, 41, 5824-5832. | 4.6 | 21 |
| 104 | Effects of pH, Temperature, and Water Quality on Chloride Removal with Ultra-High Lime with Aluminum Process. Water Environment Research, 2006, 78, 930-937. | 1.3 | 14 |
| 105 | Interactions Between Chloride and Sulfate or Silica Removals Using an Advanced Lime-Aluminum Softening Process. Water Environment Research, 2006, 78, 2474-2479. | 1.3 | 9 |
| 106 | Overview of waste stabilization with cement. Waste Management, 2006, 26, 689-698. | 3.7 | 179 |
| 107 | Process integration techniques for optimizing seawater cooling systems and biocide discharge. Clean Technologies and Environmental Policy, 2006, 8, 203-215. | 2.1 | 9 |
| 108 | Simulated Infinite-Dilution Leach Test. Environmental Engineering Science, 2006, 23, 4-13. | 0.8 | 6 |

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| 109 | An Equilibrium Model for Chloride Removal from Recycled Cooling Water Using the Ultra-High Lime with Aluminum Process. Water Environment Research, 2005, 77, 3059-3065. | 1.3 | 17 |
| 110 | EVALUATING ALTERNATIVE ALUMINUM SOURCES FOR CHLORIDE REMOVAL FROM RECYCLED COOLING WATER. Proceedings of the Water Environment Federation, 2005, 2005, 8106-8115. | 0.0 | 0 |
| 111 | Abiotic reductive dechlorination of chlorinated ethylenes by soil. Chemosphere, 2004, 55, 705-713. | 4.2 | 25 |
| 112 | Abiotic reductive dechlorination of chlorinated ethylenes by iron-bearing phyllosilicates. Chemosphere, 2004, 56, 999-1009. | 4.2 | 36 |
| 113 | Reductive Capacity of Natural Reductants. Environmental Science & Technology, 2003, 37, 535-541. | 4.6 | 109 |
| 114 | Effects of pH, Temperature, and Water Quality on Chloride Removal with Ultra-High Lime with Aluminum Process. Proceedings of the Water Environment Federation, 2003, 2003, 54-72. | 0.0 | 3 |
| 115 | Chloride Removal from Recycled Cooling Water Using Ultra-High Lime with Aluminum Process. Water Environment Research, 2002, 74, 256-263. | 1.3 | 34 |
| 116 | An Equilibrium Model for Chloride Removal from Recycled Cooling Water Using Ultra-High Lime with Aluminum Process. Proceedings of the Water Environment Federation, 2002, 2002, 23-39. | 0.0 | 3 |
| 117 | General Chemical Equilibrium Model for Stabilized/Solidified Wastes. Journal of Environmental Engineering, ASCE, 2002, 128, 653-661. | 0.7 | 8 |
| 118 | Abiotic Reductive Dechlorination of Chlorinated Ethylenes by Iron-Bearing Soil Minerals. 1. Pyrite and Magnetite. Environmental Science & Technology, 2002, 36, 5147-5154. | 4.6 | 263 |
| 119 | Abiotic Reductive Dechlorination of Chlorinated Ethylenes by Iron-Bearing Soil Minerals. 2. Green Rust. Environmental Science & Technology, 2002, 36, 5348-5354. | 4.6 | 198 |
| 120 | Reductive dechlorination of chlorinated methanes in cement slurries containing Fe(II). Chemosphere, 2002, 48, 1019-1027. | 4.2 | 22 |
| 121 | A multi-component numerical leach model coupled with a general chemical speciation code. Water Research, 2002, 36, 156-166. | 5.3 | 33 |
| 122 | Effects of ferrous iron and molecular oxygen on chromium(VI) redox kinetics in the presence of aquifer solids. Journal of Hazardous Materials, 2002, 92, 143-159. | 6.5 | 19 |
| 123 | Reductive Dechlorination of Tetrachloroethylene in Soils by Fe(II)-Based Degradative Solidification/Stabilization. Environmental Science & Technology, 2001, 35, 3792-3797. | 4.6 | 32 |
| 124 | Empirical Partitioning Leach Model for Solidified/Stabilized Wastes. Journal of Environmental Engineering, ASCE, 2001, 127, 188-195. | 0.7 | 17 |
| 125 | Removal of Hexavalent Chromium from Groundwater by Granular Activated Carbon. Water Environment Research, 2000, 72, 29-39. | 1.3 | 75 |
| 126 | Reductive Dechlorination of Tetrachloroethylene by Fe(II) in Cement Slurries. Environmental Science & Technology, 2000, 34, 5017-5022. | 4.6 | 48 |

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|---|---|---|---|
| 127 | Prediction of chemical speciation in stabilized/solidified wastes using a general chemical equilibrium model Part I. Chemical representation of cementitious binders. Cement and Concrete Research, 1999, 29, 361-368. | 4.6 | 20 |
| 128 | Mineralogical alterations that affect the durability and metals containment of aged solidified and stabilized wastes. Cement and Concrete Research, 1999, 29, 1433-1440. | 4.6 | 24 |
| 129 | Prediction of chemical speciation in stabilized/solidified wastes using a general chemical equilibrium model II. Cement and Concrete Research, 1999, 29, 99-105. | 4.6 | 22 |
| 130 | Leach Models for Contaminants Immobilized by pH-Dependent Mechanisms. Environmental Science & Technology, 1998, 32, 1721-1726. | 4.6 | 44 |
| 131 | A Framework for Risk Assessment of Disposal of Contaminated Materials Treated by Solidification/Stabilization. Environmental Engineering Science, 1997, 14, 3-13. | 0.8 | 8 |
| 132 | Chapter 4 Stabilization/solidification of hazardous wastes in soil matrices. Advances in Porous Media, 1996, , 307-359. | 0.2 | 5 |
| 133 | Binding of Heavy Metals to Derivatives of Cholesterol and Sodium Dodecyl Sulfate. Journal of Environmental Engineering, ASCE, 1995, 121, 645-652. | 0.7 | 25 |
| 134 | Models as metaphors: The role of modeling in pollution prevention. Waste Management, 1994, 14, 243-251. | 3.7 | 2 |
| 135 | An electrical conductivity method for measuring the effects of additives on effective diffusivities in portland cement pastes. Cement and Concrete Research, 1994, 24, 752-764. | 4.6 | 24 |
| 136 | Binding chemistry and leaching mechanisms in solidified wastes. Waste Management, 1994, 14, 334-335. | 3.7 | 0 |
| 137 | Stochastic risk assessment of bioremediation. Waste Management, 1994, 14, 342-343. | 3.7 | 0 |
| 138 | The diafiltration method for the study of the binding of macromolecules to heavy metals. Journal of Membrane Science, 1994, 89, 257-265. | 4.1 | 31 |
| 139 | Surfactant-Enhanced Ultrafiltration of Heavy Metals from Waste Streams with Pilot-Scale System. Hazardous Waste and Hazardous Materials, 1994, 11, 385-395. | 0.4 | 20 |
| 140 | A multi-component partitioning model to predict leaching from solidified oily wastes. Waste Management, 1993, 13, 515. | 3.7 | 2 |
| 141 | Measurement of Effective Diffusivities in Solidified Wastes. Journal of Environmental Engineering, ASCE, 1993, 119, 17-33. | 0.7 | 17 |
| 142 | Approximating effective diffusivities of hazardous ions solidified in portland cement. Journal of Hazardous Materials, 1991, 28, 192. | 6.5 | 1 |
| 143 | Leach models: Theory and application. Journal of Hazardous Materials, 1990, 24, 255-266. | 6.5 | 52 |
| 144 | Incorporating chemical and physical mechanisms into leaching models for solidified hazardous wastes. Journal of Hazardous Materials, 1989, 22, 266-267. | 6.5 | 0 |

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| 145 | Kinetics of aluminum hydrolysis: measurement and characterization of reaction products. Environmental Science & Technology, 1986, 20, 891-894. | 4.6 | 20 |
| 146 | A kinetic model for autotrophic denitrification using elemental sulfur. Water Research, 1978, 12, 1075-1084. | 5.3 | 72 |
| 147 | Enhancing water permeability with super-hydrophilic metalâ€“organic frameworks and hydrophobic straight pores. Environmental Science: Water Research and Technology, 0, , . | 1.2 | 0 |