

# Bill Batchelor

## List of Publications by Year in descending order

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147  
papers

5,390  
citations

66343

42  
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98798

67  
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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.	3.5	13
2	Oxygen-Deficient Cobalt-Based Oxides for Electrocatalytic Water Splitting. ChemSusChem, 2021, 14, 10-32.	6.8	103
3	Photocatalytic reduction of chlorate in aqueous TiO <sub>2</sub> suspension with hole scavenger under simulated solar light. Emergent Materials, 2021, 4, 435-446.	5.7	7
4	A review on lithium recovery using electrochemical capturing systems. Desalination, 2021, 500, 114883.	8.2	96
5	Salinity gradient energy generation by pressure retarded osmosis: A review. Desalination, 2021, 500, 114841.	8.2	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.	5.1	28
7	Pyrite (FeS <sub>2</sub> )-supported ultrafiltration system for removal of mercury (II) from water. Emergent Materials, 2021, 4, 1441-1453.	5.7	3
8	Surface microenvironment engineering of black V <sub>2</sub> O <sub>5</sub> nanostructures for visible light photodegradation of methylene blue. Journal of Alloys and Compounds, 2021, 871, 159615.	5.5	26
9	Nitrate Reduction by the Ultraviolet-Sulfite Advanced Reduction Process. Environmental Engineering Science, 2021, 38, 927-935.	1.6	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.	8.2	21
11	Surface treatment-controlled solvothermal synthesis of highly active reduced 1D titania with heterojunctioned carbon allotrope. Emergent Materials, 2021, 4, 389-402.	5.7	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.	8.0	22
13	Corrosion behavior of pure titanium anodes in saline medium and their performance for humic acid removal by electrocoagulation. Chemosphere, 2020, 246, 125674.	8.2	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.	5.1	17
15	Oxygen-deficient perovskites for oxygen evolution reaction in alkaline media: a review. Emergent Materials, 2020, 3, 567-590.	5.7	47
16	Enhanced water permeability and osmotic power generation with sulfonate-functionalized porous polymer-incorporated thin film nanocomposite membranes. Desalination, 2020, 496, 114756.	8.2	26
17	Defect minimized Ag-ZnO microneedles for photocatalysis. Environmental Science and Pollution Research, 2020, 27, 37036-37043.	5.3	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.	2.2	10

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19	Self-oxygenated anatase-rutile phase junction: ensuring the availability of sufficient surface charges for photocatalysis. <i>New Journal of Chemistry</i> , 2020, 44, 5513-5518.	2.8	6
20	Membrane distillation coupled with a novel two-stage pretreatment process for petrochemical wastewater treatment and reuse. <i>Separation and Purification Technology</i> , 2019, 224, 23-32.	7.9	38
21	Photocatalytic Hydrogen Production: Role of Sacrificial Reagents on the Activity of Oxide, Carbon, and Sulfide Catalysts. <i>Catalysts</i> , 2019, 9, 276.	3.5	214
22	Mesoporous TiO <sub>2</sub> -BiOBr microspheres with tailorable adsorption capacities for photodegradation of organic water pollutants: probing adsorption-photocatalysis synergy by combining experiments and kinetic modeling. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 769-781.	2.4	22
23	Removal of arsenite by reductive precipitation in dithionite solution activated by UV light. <i>Journal of Environmental Sciences</i> , 2018, 74, 168-176.	6.1	22
24	Response to Comment on "Visible-Light-Driven Photocatalytic Degradation of Organic Water Pollutants Promoted by Sulfite Addition". <i>Environmental Science &amp; Technology</i> , 2018, 52, 1677-1678.	10.0	6
25	Influence of nanoparticle inclusions on the performance of reverse osmosis membranes. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 411-420.	2.4	10
26	Kinetic Study of Selenium Removal Using Advanced Reduction Process with Dithionite. <i>Environmental Engineering Science</i> , 2018, 35, 169-175.	1.6	10
27	Exploration of Ag decoration and Bi doping on the photocatalytic activity of Fe <sub>2</sub> O <sub>3</sub> under simulated solar light irradiation. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 1713-1722.	1.7	9
28	Reductive dechlorination of DNAPL mixtures with Fe(II/III)-L and Fe(II)-C: Evaluation using a kinetic model for the competitions. <i>Science of the Total Environment</i> , 2018, 624, 872-877.	8.0	2
29	Removal of Se(IV) by the Dithionite/Ultraviolet Advanced Reduction Process: Effects of Process Variables. <i>Environmental Engineering Science</i> , 2018, 35, 927-936.	1.6	6
30	A Short Review on Hydrogen, Biofuel, and Electricity Production Using Seawater as a Medium. <i>Energy &amp; Fuels</i> , 2018, 32, 6423-6437.	5.1	53
31	Arsenic removal using advanced reduction process with dithionite/UV: A kinetic study. <i>Journal of Water Process Engineering</i> , 2018, 23, 314-319.	5.6	17
32	FeOOH and Fe <sub>2</sub> O <sub>3</sub> co-grafted TiO <sub>2</sub> photocatalysts for bisphenol A degradation in water. <i>Catalysis Communications</i> , 2017, 97, 125-129.	3.3	27
33	Impact of natural organic matter on bromate removal in the sulfite/UV-L advanced reduction process. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 461-471.	2.1	14
34	Fe <sub>3</sub> O <sub>4</sub> -Ag <sub>2</sub> WO <sub>4</sub> : facile synthesis, characterization and visible light assisted photocatalytic activity. <i>New Journal of Chemistry</i> , 2017, 41, 11722-11730.	2.8	43
35	Photochemical Degradation of Arsenic and Selenium with Advanced Reduction Processes: Effects of Reagents. <i>Environmental Engineering Science</i> , 2017, 34, 481-488.	1.6	13
36	A windable and stretchable three-dimensional all-inorganic membrane for efficient oil/water separation. <i>Scientific Reports</i> , 2017, 7, 16081.	3.3	18

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37	Visible-Light-Driven Photocatalytic Degradation of Organic Water Pollutants Promoted by Sulfite Addition. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13372-13379.	10.0	162
38	Dual modification of hematite photoanode by Sn-doping and Nb <sub>2</sub> O <sub>5</sub> layer for water oxidation. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 591-599.	20.2	47
39	Solution combustion synthesis and physico-chemical properties of ultrafine CeO <sub>2</sub> nanoparticles and their photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 51238-51245.	3.6	28
40	Multifunctional redox-tuned viologen-based covalent organic polymers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15361-15369.	10.3	114
41	Synthesis of integrated membrane desalination and salt production networks. <i>Desalination</i> , 2016, 400, 25-37.	8.2	10
42	Application of a reactive adsorbent-coated support system for removal of mercury(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 623-630.	4.7	19
43	Spectroscopic study of Se(IV) removal from water by reductive precipitation using sulfide. <i>Chemosphere</i> , 2016, 163, 351-358.	8.2	47
44	Enhanced electrocatalytic activity of gold nanoparticles on hydroxyapatite nanorods for sensitive hydrazine sensors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6385-6394.	10.3	83
45	Synthesis, characterization, and application of pyrite for removal of mercury. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 490, 326-335.	4.7	53
46	Application of TiO <sub>2</sub> –WO <sub>3</sub> 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/SiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /AuNPs/lignin-modified glassy carbon electrode. <i>Water Science and Technology</i> , 2015, 72, 1780-1788.	2.5	12
48	Two-stage sulfate removal from reject brine in inland desalination with zero-liquid discharge. <i>Desalination</i> , 2015, 362, 52-58.	8.2	46
49	Application of UV–sulfite advanced reduction process to bromate removal. <i>Journal of Water Process Engineering</i> , 2015, 5, 76-82.	5.6	67
50	Fischer–Tropsch Synthesis in Slurry Bubble Column Reactors: Experimental Investigations and Modeling – A Review. <i>International Journal of Chemical Reactor Engineering</i> , 2015, 13, 201-288.	1.1	67
51	Photosynthesis of formate from CO <sub>2</sub> and water at 1% energy efficiency via copper iron oxide catalysis. <i>Energy and Environmental Science</i> , 2015, 8, 2638-2643.	30.8	204
52	Photochemical degradation of trichloroethylene by sulfite-mediated UV irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2194-2202.	6.7	29
53	Impacts of natural organic matter on perchlorate removal by an advanced reduction process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 731-740.	1.7	16
54	Reactive iron sulfide (FeS)-supported ultrafiltration for removal of mercury (Hg(II)) from water. <i>Water Research</i> , 2014, 53, 310-321.	11.3	79

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55	Effect of low- and medium-pressure Hg UV irradiation on bromate removal in advanced reduction process. <i>Chemosphere</i> , 2014, 117, 663-672.	8.2	62
56	Degradation of 1,2-dichloroethane using advanced reduction processes. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 731-737.	6.7	38
57	Degradation of 1,2-dichloroethane with advanced reduction processes (ARPs): Effects of process variables and mechanisms. <i>Chemical Engineering Journal</i> , 2014, 237, 300-307.	12.7	89
58	XPS analysis of sorption of selenium(IV) and selenium(VI) to mackinawite (FeS). <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 84-93.	2.3	67
59	Photochemical degradation of vinyl chloride with an Advanced Reduction Process (ARP) – Effects of reagents and pH. <i>Chemical Engineering Journal</i> , 2013, 215-216, 868-875.	12.7	66
60	Degradation of vinyl chloride (VC) by the sulfite/UV advanced reduction process (ARP): Effects of process variables and a kinetic model. <i>Science of the Total Environment</i> , 2013, 454-455, 578-583.	8.0	80
61	Advanced Reduction Processes: A New Class of Treatment Processes. <i>Environmental Engineering Science</i> , 2013, 30, 264-271.	1.6	154
62	Electro-Fenton Treatment of Photographic Processing Wastewater. <i>Clean - Soil, Air, Water</i> , 2013, 41, 635-644.	1.1	21
63	Perchlorate reduction by the sulfite/ultraviolet light advanced reduction process. <i>Journal of Hazardous Materials</i> , 2013, 262, 348-356.	12.4	82
64	Removal of arsenite(As(III)) and arsenate(As(V)) by synthetic pyrite (FeS <sub>2</sub> ): Synthesis, effect of contact time, and sorption/desorption envelopes. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 311-318.	9.4	64
65	Bromate reduction by ultraviolet light irradiation using medium pressure lamp. <i>International Journal of Environmental Studies</i> , 2013, 70, 566-582.	1.6	11
66	Electrochemical Inactivation of <i>P. Aeruginosa</i> , <i>A. hydrophila</i> , <i>L. pneumophila</i> using Boron Doped Diamond Anodes. <i>Journal of Advanced Oxidation Technologies</i> , 2013, 16, .	0.5	3
67	Evaluating alternative aluminium sources for chloride removal from recycled cooling water. <i>International Journal of Environmental Technology and Management</i> , 2013, 16, 234.	0.2	2
68	A systems integration approach to the optimum operation and scheduling of biocide usage and discharge for seawater cooling systems. <i>International Journal of Process Systems Engineering</i> , 2012, 2, 1.	0.2	0
69	As(V) adsorption onto nanoporous titania adsorbents (NTAs): Effects of solution composition. <i>Journal of Hazardous Materials</i> , 2012, 229-230, 273-281.	12.4	9
70	Reduction of perchlorate using zero-valent titanium (ZVT) anode: Kinetic models. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 122-129.	9.4	5
71	A systems-integration approach to the optimization of macroscopic water desalination and distribution networks: a general framework applied to Qatar's water resources. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 161-171.	4.1	33
72	Perchlorate degradation using aqueous titanium ions produced by oxidative dissolution of zero-valent titanium. <i>Chemical Engineering Journal</i> , 2012, 192, 301-307.	12.7	9

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73	Nitrate reduction by green rusts modified with trace metals. <i>Chemosphere</i> , 2012, 86, 860-865.	8.2	35
74	Sorption of selenium(IV) and selenium(VI) onto synthetic pyrite (FeS <sub>2</sub> ): Spectroscopic and microscopic analyses. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 496-504.	9.4	45
75	Degradation of perchlorate in water using aqueous multivalent titanium: Effect of titanium type, ionic strength, and metal and solid catalysts. <i>Journal of Colloid and Interface Science</i> , 2012, 380, 128-133.	9.4	10
76	Reductive dechlorination of chlorinated hydrocarbons as non-aqueous phase liquid (NAPL): Preliminary investigation on effects of cement doses. <i>Science of the Total Environment</i> , 2012, 430, 82-87.	8.0	4
77	Perchlorate degradation using a titanium and membrane hybrid (TMH) system: Transport, adsorption, chemical reduction. <i>Journal of Membrane Science</i> , 2012, 390-391, 84-92.	8.2	10
78	Photo-Fenton Treatment of Actual Agro-Industrial Wastewaters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 6673-6680.	3.7	79
79	Anodic Dissolution of Pure Aluminum during Electrocoagulation Process: Influence of Supporting Electrolyte, Initial pH, and Current Density. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13362-13372.	3.7	98
80	Treatment of Pharmaceutical-manufacturing Wastewaters by UV Irradiation/Hydrogen Peroxide Process. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	4
81	Perchlorate reduction during electrochemically induced pitting corrosion of zero-valent titanium (ZVT). <i>Journal of Hazardous Materials</i> , 2011, 197, 183-189.	12.4	28
82	Optimal scheduling of biocide dosing for seawater-cooled power and desalination plants. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 783-796.	4.1	12
83	Sorption of selenium(IV) and selenium(VI) to mackinawite (FeS): Effect of contact time, extent of removal, sorption envelopes. <i>Journal of Hazardous Materials</i> , 2011, 186, 451-457.	12.4	64
84	Simulation Model for Multicomponent Removals from Recycled Cooling Water. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 1199-1204.	1.4	0
85	Reductive Dechlorination of Tetrachloroethylene by Green Rusts Modified with Copper. <i>Water, Air, and Soil Pollution</i> , 2010, 212, 407-417.	2.4	15
86	Surface complexation modeling of arsenic(III) and arsenic(V) adsorption onto nanoporous titania adsorbents (NTAs). <i>Journal of Colloid and Interface Science</i> , 2010, 348, 591-599.	9.4	35
87	Electrochemical Treatment of synthetic and Actual Dyeing Wastewaters Using BDD Anodes. <i>Air, Soil and Water Research</i> , 2010, 3, ASWR.S3639.	2.5	5
88	Effect of Cement Type on Performance of Ferrous Iron-Based Degradative Solidification and Stabilization. <i>Environmental Engineering Science</i> , 2010, 27, 977-987.	1.6	7
89	Synthesis and characterization of pyrite (FeS <sub>2</sub> ) using microwave irradiation. <i>Materials Research Bulletin</i> , 2009, 44, 1553-1558.	5.2	47
90	Kinetics of transformation of 1,1,1-trichloroethane by Fe(II) in cement slurries. <i>Journal of Hazardous Materials</i> , 2009, 163, 1315-1321.	12.4	7

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91	Macroscopic and X-ray Photoelectron Spectroscopic Investigation of Interactions of Arsenic with Synthesized Pyrite. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2899-2904.	10.0	70
92	Hydrogen peroxide decomposition on manganese oxide (pyrolusite): Kinetics, intermediates, and mechanism. <i>Chemosphere</i> , 2009, 75, 8-12.	8.2	151
93	PCE DNAPL degradation using ferrous iron solid mixture (ISM). <i>Chemosphere</i> , 2009, 76, 1082-1087.	8.2	5
94	X-Ray Photoelectron Spectroscopic Investigation of Interactions of Arsenic with Microwave Synthesized Pyrite as a Function of pH. <i>Environmental Engineering Science</i> , 2009, 26, 1785-1793.	1.6	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. <i>Clean Technologies and Environmental Policy</i> , 2008, 10, 351-358.	4.1	64
97	Analysis of dechlorination kinetics of chlorinated aliphatic hydrocarbons by Fe(II) in cement slurries. <i>Journal of Hazardous Materials</i> , 2008, 152, 62-70.	12.4	16
98	Nitrate reduction by fluoride green rust modified with copper. <i>Chemosphere</i> , 2008, 70, 1108-1116.	8.2	34
99	Dechlorination of trichloroethylene formed from 1,1,2,2-tetrachloroethane by dehydrochlorination in Portland cement slurry including Fe(II). <i>Chemosphere</i> , 2008, 71, 726-734.	8.2	5
100	Amendment of hydroxyapatite in reduction of tetrachloroethylene by zero-valent zinc: Its rate enhancing effect and removal of Zn(II). <i>Chemosphere</i> , 2008, 73, 1420-1427.	8.2	28
101	Interactions Between Chloride and Sulfate or Silica Removals from Wastewater Using an Advanced Lime-Aluminum Softening Process: Equilibrium Modeling. <i>Water Environment Research</i> , 2007, 79, 528-535.	2.7	5
102	Influence of iron-bearing phyllosilicates on the dechlorination kinetics of 1,1,1-trichloroethane in Fe(II)/cement slurries. <i>Chemosphere</i> , 2007, 68, 1254-1261.	8.2	2
103	Identification of Active Agents for Tetrachloroethylene Degradation in Portland Cement Slurry Containing Ferrous Iron. <i>Environmental Science &amp; Technology</i> , 2007, 41, 5824-5832.	10.0	21
104	Effects of pH, Temperature, and Water Quality on Chloride Removal with Ultra-High Lime with Aluminum Process. <i>Water Environment Research</i> , 2006, 78, 930-937.	2.7	14
105	Interactions Between Chloride and Sulfate or Silica Removals Using an Advanced Lime-Aluminum Softening Process. <i>Water Environment Research</i> , 2006, 78, 2474-2479.	2.7	9
106	Overview of waste stabilization with cement. <i>Waste Management</i> , 2006, 26, 689-698.	7.4	179
107	Process integration techniques for optimizing seawater cooling systems and biocide discharge. <i>Clean Technologies and Environmental Policy</i> , 2006, 8, 203-215.	4.1	9
108	Simulated Infinite-Dilution Leach Test. <i>Environmental Engineering Science</i> , 2006, 23, 4-13.	1.6	6



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109	An Equilibrium Model for Chloride Removal from Recycled Cooling Water Using the Ultra-High Lime with Aluminum Process. <i>Water Environment Research</i> , 2005, 77, 3059-3065.	2.7	17
110	EVALUATING ALTERNATIVE ALUMINUM SOURCES FOR CHLORIDE REMOVAL FROM RECYCLED COOLING WATER. <i>Proceedings of the Water Environment Federation</i> , 2005, 2005, 8106-8115.	0.0	0
111	Abiotic reductive dechlorination of chlorinated ethylenes by soil. <i>Chemosphere</i> , 2004, 55, 705-713.	8.2	25
112	Abiotic reductive dechlorination of chlorinated ethylenes by iron-bearing phyllosilicates. <i>Chemosphere</i> , 2004, 56, 999-1009.	8.2	36
113	Reductive Capacity of Natural Reductants. <i>Environmental Science &amp; Technology</i> , 2003, 37, 535-541.	10.0	109
114	Effects of pH, Temperature, and Water Quality on Chloride Removal with Ultra-High Lime with Aluminum Process. <i>Proceedings of the Water Environment Federation</i> , 2003, 2003, 54-72.	0.0	3
115	Chloride Removal from Recycled Cooling Water Using Ultra-High Lime with Aluminum Process. <i>Water Environment Research</i> , 2002, 74, 256-263.	2.7	34
116	An Equilibrium Model for Chloride Removal from Recycled Cooling Water Using Ultra-High Lime with Aluminum Process. <i>Proceedings of the Water Environment Federation</i> , 2002, 2002, 23-39.	0.0	3
117	General Chemical Equilibrium Model for Stabilized/Solidified Wastes. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 653-661.	1.4	8
118	Abiotic Reductive Dechlorination of Chlorinated Ethylenes by Iron-Bearing Soil Minerals. 1. Pyrite and Magnetite. <i>Environmental Science &amp; Technology</i> , 2002, 36, 5147-5154.	10.0	263
119	Abiotic Reductive Dechlorination of Chlorinated Ethylenes by Iron-Bearing Soil Minerals. 2. Green Rust. <i>Environmental Science &amp; Technology</i> , 2002, 36, 5348-5354.	10.0	198
120	Reductive dechlorination of chlorinated methanes in cement slurries containing Fe(II). <i>Chemosphere</i> , 2002, 48, 1019-1027.	8.2	22
121	A multi-component numerical leach model coupled with a general chemical speciation code. <i>Water Research</i> , 2002, 36, 156-166.	11.3	33
122	Effects of ferrous iron and molecular oxygen on chromium(VI) redox kinetics in the presence of aquifer solids. <i>Journal of Hazardous Materials</i> , 2002, 92, 143-159.	12.4	19
123	Reductive Dechlorination of Tetrachloroethylene in Soils by Fe(II)-Based Degradative Solidification/Stabilization. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3792-3797.	10.0	32
124	Empirical Partitioning Leach Model for Solidified/Stabilized Wastes. <i>Journal of Environmental Engineering, ASCE</i> , 2001, 127, 188-195.	1.4	17
125	Removal of Hexavalent Chromium from Groundwater by Granular Activated Carbon. <i>Water Environment Research</i> , 2000, 72, 29-39.	2.7	75
126	Reductive Dechlorination of Tetrachloroethylene by Fe(II) in Cement Slurries. <i>Environmental Science &amp; Technology</i> , 2000, 34, 5017-5022.	10.0	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.	11.0	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.	11.0	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.	11.0	22
130	Leach Models for Contaminants Immobilized by pH-Dependent Mechanisms. Environmental Science & Technology, 1998, 32, 1721-1726.	10.0	44
131	A Framework for Risk Assessment of Disposal of Contaminated Materials Treated by Solidification/Stabilization. Environmental Engineering Science, 1997, 14, 3-13.	1.6	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.	1.4	25
134	Models as metaphors: The role of modeling in pollution prevention. Waste Management, 1994, 14, 243-251.	7.4	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.	11.0	24
136	Binding chemistry and leaching mechanisms in solidified wastes. Waste Management, 1994, 14, 334-335.	7.4	0
137	Stochastic risk assessment of bioremediation. Waste Management, 1994, 14, 342-343.	7.4	0
138	The diafiltration method for the study of the binding of macromolecules to heavy metals. Journal of Membrane Science, 1994, 89, 257-265.	8.2	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.	7.4	2
141	Measurement of Effective Diffusivities in Solidified Wastes. Journal of Environmental Engineering, ASCE, 1993, 119, 17-33.	1.4	17
142	Approximating effective diffusivities of hazardous ions solidified in portland cement. Journal of Hazardous Materials, 1991, 28, 192.	12.4	1
143	Leach models: Theory and application. Journal of Hazardous Materials, 1990, 24, 255-266.	12.4	52
144	Incorporating chemical and physical mechanisms into leaching models for solidified hazardous wastes. Journal of Hazardous Materials, 1989, 22, 266-267.	12.4	0

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145	Kinetics of aluminum hydrolysis: measurement and characterization of reaction products. Environmental Science & Technology, 1986, 20, 891-894.	10.0	20
146	A kinetic model for autotrophic denitrification using elemental sulfur. Water Research, 1978, 12, 1075-1084.	11.3	72
147	Enhancing water permeability with super-hydrophilic metal-organic frameworks and hydrophobic straight pores. Environmental Science: Water Research and Technology, 0, , .	2.4	0