

# John C Crittenden

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6725548/publications.pdf>

Version: 2024-02-01

372  
papers

24,334  
citations

4658

85  
h-index

13379

130  
g-index

375  
all docs

375  
docs citations

375  
times ranked

21998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of phthalate acid esters using hydrogen peroxide and polyoxometalate/graphene hybrids. Journal of Hazardous Materials, 2022, 422, 126867.	12.4	7
2	Insights into deep decline of As(III) leachability induced by As(III) partial oxidation during lime stabilization of As–Ca sludge. Journal of Hazardous Materials, 2022, 424, 127575.	12.4	6
3	Technology status and trends of industrial wastewater treatment: A patent analysis. Chemosphere, 2022, 288, 132483.	8.2	57
4	Synergistic effect of floatable hydroxyapatite-modified biochar adsorption and low-level CaCl <sub>2</sub> leaching on Cd removal from paddy soil. Science of the Total Environment, 2022, 807, 150872.	8.0	18
5	Precise regulation of acid pretreatment for red mud SCR catalyst: Targeting on optimizing the acidity and reducibility. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	12
6	Facilitating Redox Cycles of Copper Species by Pollutants in Peroxymonosulfate Activation. Environmental Science & Technology, 2022, 56, 2637-2646.	10.0	67
7	Electrochemical flow-through disinfection reduces antibiotic resistance genes and horizontal transfer risk across bacterial species. Water Research, 2022, 212, 118090.	11.3	36
8	Promoting effect of Co-doped CeO <sub>2</sub> nanorods activity and SO <sub>2</sub> resistance for Hg <sup>0</sup> removal. Fuel, 2022, 317, 123320.	6.4	26
9	Superselective Hg(II) Removal from Water Using a Thiol-Laced MOF-Based Sponge Monolith: Performance and Mechanism. Environmental Science & Technology, 2022, 56, 2677-2688.	10.0	62
10	Simultaneous Nitrite Resourcing and Mercury Ion Removal Using MXene-Anchored Goethite Heterogeneous Fenton Composite. Environmental Science & Technology, 2022, 56, 4542-4552.	10.0	19
11	Emerging Challenges and Opportunities for Electrified Membranes to Enhance Water Treatment. Environmental Science & Technology, 2022, 56, 3832-3835.	10.0	16
12	Double-Network Hydrogel: A Potential Practical Adsorbent for Critical Metals Extraction and Recovery from Water. Environmental Science & Technology, 2022, 56, 4715-4717.	10.0	12
13	Electrocatalytic nitrate reduction to ammonia on defective Au <sub>1</sub> Cu (111) single-atom alloys. Applied Catalysis B: Environmental, 2022, 310, 121346.	20.2	113
14	Principal component analysis and response surface methodology: optimization for H <sub>2</sub> evolution from water catalyzed adopting V–Bi under visible light. Materials Today Chemistry, 2022, 25, 100920.	3.5	1
15	MXene Composite Membranes with Enhanced Ion Transport and Regulated Ion Selectivity. Environmental Science & Technology, 2022, 56, 8964-8974.	10.0	18
16	Shale gas wastewater characterization: Comprehensive detection, evaluation of valuable metals, and environmental risks of heavy metals and radionuclides. Water Research, 2022, 220, 118703.	11.3	12
17	Radix Astragali residue-derived porous amino-laced double-network hydrogel for efficient Pb(II) removal: Performance and modeling. Journal of Hazardous Materials, 2022, 438, 129418.	12.4	14
18	Theoretical evaluation of the evaporation rate of 2D solar-driven interfacial evaporation and of its large-scale application potential. Desalination, 2022, 537, 115891.	8.2	9

#	ARTICLE	IF	CITATIONS
19	Acid-pretreated red mud for selective catalytic reduction of NO with NH <sub>3</sub> : Insights into inhibition mechanism of binders. <i>Catalysis Today</i> , 2021, 376, 247-254.	4.4	21
20	Hydrochemical composition, distribution, and sources of typical organic pollutants and metals in Lake Bangong Co, Tibet. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9877-9888.	5.3	5
21	An effective process for the recovery of valuable metals from cathode material of lithium-ion batteries by mechanochemical reduction. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105261.	10.8	23
22	Effective degradation of aqueous carbamazepine on a novel blue-colored TiO <sub>2</sub> nanotube arrays membrane filter anode. <i>Journal of Hazardous Materials</i> , 2021, 402, 123530.	12.4	54
23	Distribution and source of microplastics in China's second largest reservoir - Danjiangkou Reservoir. <i>Journal of Environmental Sciences</i> , 2021, 102, 74-84.	6.1	81
24	Remediation of nitrate contamination by membrane hydrogenotrophic denitrifying biofilm integrated in microbial electrolysis cell. <i>Water Research</i> , 2021, 188, 116498.	11.3	82
25	Integration of a Photo-Fenton Reaction and a Membrane Filtration using CS/PAN@FeOOH/g-C <sub>3</sub> N <sub>4</sub> Electrospun Nanofibers: Synthesis, Characterization, Self-cleaning Performance and Mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119519.	20.2	99
26	A bibliometric analysis of industrial wastewater treatments from 1998 to 2019. <i>Environmental Pollution</i> , 2021, 275, 115785.	7.5	84
27	A Critical Review of Membrane Wettability in Membrane Distillation from the Perspective of Interfacial Interactions. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1395-1418.	10.0	105
28	Policy incentives and social cost of emissions for promoting decentralized energy production: A life cycle cost analysis. <i>Journal of Cleaner Production</i> , 2021, 282, 125394.	9.3	6
29	Sacrificial carbon strategy for facile fabrication of highly-dispersed cobalt-silicon nanocomposites: Insight into its performance on the CO and CH <sub>4</sub> oxidation. <i>Journal of Cleaner Production</i> , 2021, 278, 123920.	9.3	6
30	Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 50-75.	6.7	110
31	Extraction of PFOA from dilute wastewater using ionic liquids that are dissolved in N-octanol. <i>Journal of Hazardous Materials</i> , 2021, 404, 124091.	12.4	20
32	Electrochemical advanced oxidation for treating ultrafiltration effluent of a landfill leachate system: Impacts of organics and inorganics and economic evaluation. <i>Chemical Engineering Journal</i> , 2021, 413, 127492.	12.7	37
33	Understanding the nature of NH <sub>3</sub> -coordinated active sites and the complete reaction schemes for NH <sub>3</sub> -SCR using Cu-SAPO-34 catalysts. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4700-4710.	2.8	8
34	Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Synthesis and Microstructure Impacts. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 623-661.	7.6	61
35	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2743-2766.	10.0	117
36	Computerized Pathway Generator for the UV/Free Chlorine Process: Prediction of Byproducts and Reactions. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2608-2617.	10.0	8

#	ARTICLE	IF	CITATIONS
37	Multidisciplinary design optimization of distributed energy generation systems: The trade-offs between life cycle environmental and economic impacts. <i>Applied Energy</i> , 2021, 284, 116197.	10.1	24
38	Critical Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Mechanism Identification and Engineering Design. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4287-4304.	10.0	106
39	Tannic acid-metal complex modified MXene membrane for contaminants removal from water. <i>Journal of Membrane Science</i> , 2021, 622, 119042.	8.2	56
40	Dissolution and separation of non-metallic powder from printed circuit boards by using chloride solvent. <i>Waste Management</i> , 2021, 123, 60-68.	7.4	3
41	Forward Solute Transport in Forward Osmosis Using a Freestanding Graphene Oxide Membrane. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6290-6298.	10.0	11
42	Optical density inferences in aqueous solution with embedded micro/nano bubbles: A reminder for the emerging green bubble cleantech. <i>Journal of Cleaner Production</i> , 2021, 294, 126258.	9.3	6
43	Nanofluidic Membranes to Address the Challenges of Salinity Gradient Power Harvesting. <i>ACS Nano</i> , 2021, 15, 5838-5860.	14.6	97
44	Green Synthesis of Mesoporous Sodalite and Graphene Oxide Hybrid Sodalite Using Lithium Silica Fume Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5085-5094.	6.7	12
45	Microwave-assisted chemical recovery of glass fiber and epoxy resin from non-metallic components in waste printed circuit boards. <i>Waste Management</i> , 2021, 124, 8-16.	7.4	24
46	Enhanced photocatalytic H <sub>2</sub> evolution over In <sub>2</sub> S <sub>3</sub> via decoration with GO and Fe <sub>2</sub> P co-catalysts. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18376-18390.	7.1	21
47	Research progress on the impact of flood discharge atomization on the ecological environment. <i>Natural Hazards</i> , 2021, 108, 1415-1426.	3.4	6
48	Multi-functional tannic acid (TA)-Ferric complex coating for forward osmosis membrane with enhanced micropollutant removal and antifouling property. <i>Journal of Membrane Science</i> , 2021, 626, 119171.	8.2	21
49	Organics removal from shale gas wastewater by pre-oxidation combined with biologically active filtration. <i>Water Research</i> , 2021, 196, 117041.	11.3	51
50	Influence of the Exclusion-Enrichment Effect on Ion Transport in Two-Dimensional Molybdenum Disulfide Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26904-26914.	8.0	7
51	Fabrication of Nanohybrid Spinel@CuO Catalysts for Propane Oxidation: Modified Spinel and Enhanced Activity by Temperature-Dependent Acid Sites. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 27106-27118.	8.0	30
52	Accelerating Fe(II)/Fe(III) cycle via Fe(II) substitution for enhancing Fenton-like performance of Fe-MOFs. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119859.	20.2	138
53	Degradation of Trimethoprim Using the UV/Free Chlorine Process: Influencing Factors and Optimal Operating Conditions. <i>Water (Switzerland)</i> , 2021, 13, 1656.	2.7	5
54	Green and sustainable method of manufacturing anti-fouling zwitterionic polymers-modified poly(vinyl chloride) ultrafiltration membranes. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 343-351.	9.4	26

#	ARTICLE	IF	CITATIONS
55	Rice husk-derived biochar can aggravate arsenic mobility in ferrous-rich groundwater during oxygenation. <i>Water Research</i> , 2021, 200, 117264.	11.3	17
56	Does microplastic really represent a threat? A review of the atmospheric contamination sources and potential impacts. <i>Science of the Total Environment</i> , 2021, 777, 146020.	8.0	56
57	Combined Heat and Power May Conflict with Decarbonization Goals—Air Emissions of Natural Gas Combined Cycle Power versus Combined Heat and Power Systems for Commercial Buildings. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10645-10653.	10.0	5
58	Cation-Induced surface cleavage of organic pollutants with $\cdot\text{OH}$ formation from $\text{H}_2\text{O}_2$ for water treatment. <i>IScience</i> , 2021, 24, 102874.	4.1	20
59	Recovery of Critical Metals from Aqueous Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11616-11634.	6.7	43
60	Accelerating $\text{Fe}^{\text{III}}$ -Aqua Complex Reduction in an Efficient Solid-Liquid-Interfacial Fenton Reaction over the $\text{Mn}^{\text{II}}$ -CNH Co-catalyst at Near-Neutral pH. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13326-13334.	10.0	12
61	A novel lanthanum-modified copper tailings adsorbent for phosphate removal from water. <i>Chemosphere</i> , 2021, 281, 130779.	8.2	20
62	Ferric ion promoted degradation of acetaminophen with zero-valent copper activated peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2021, 426, 131679.	12.7	25
63	Strong degradation of orange II by activation of peroxymonosulfate using combination of ferrous ion and zero-valent copper. <i>Separation and Purification Technology</i> , 2021, 278, 119509.	7.9	14
64	Key intermediates from simultaneous removal of $\text{NO}_x$ and chlorobenzene over a $\text{V}_2\text{O}_5\text{-WO}_3/\text{TiO}_2$ catalyst: a combined experimental and DFT study. <i>Catalysis Science and Technology</i> , 2021, 11, 7260-7267.	4.1	9
65	Insight into the promotion mechanism of activated carbon on the monolithic honeycomb red mud catalyst for selective catalytic reduction of $\text{NO}_x$ . <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	14
66	High Concentration Organic Wastewater with High Phosphorus Treatment by Facultative MBR. <i>Water (Switzerland)</i> , 2021, 13, 2902.	2.7	1
67	Rapid determination of monopersulfate with bromide ion-catalyzed oxidation of 2,		

#	ARTICLE	IF	CITATIONS
73	Degradation kinetics of target compounds and correlations with spectral indices during UV/H <sub>2</sub> O <sub>2</sub> post-treatment of biologically treated acrylonitrile wastewater. <i>Chemosphere</i> , 2020, 243, 125384.	8.2	12
74	Thermolytic osmotic heat engine for low-grade heat harvesting: Thermodynamic investigation and potential application exploration. <i>Applied Energy</i> , 2020, 259, 114192.	10.1	11
75	Promotion mechanism of natural clay colloids in the adsorption of arsenite on iron oxide particles in water. <i>Chemical Engineering Journal</i> , 2020, 392, 123637.	12.7	15
76	Parametric life cycle assessment for distributed combined cooling, heating and power integrated with solar energy and energy storage. <i>Journal of Cleaner Production</i> , 2020, 250, 119483.	9.3	33
77	Removal of gaseous elemental mercury using thermally catalytic chlorite-persulfate complex. <i>Chemical Engineering Journal</i> , 2020, 391, 123508.	12.7	27
78	Efficient sulfadiazine degradation via in-situ epitaxial grow of Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) on carbon dots heterostructures under visible light irradiation: Synthesis, mechanisms and toxicity evaluation. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 696-707.	9.4	79
79	Irregular influence of alkali metals on Cu-SAPO-34 catalyst for selective catalytic reduction of NO <sub>x</sub> with ammonia. <i>Journal of Hazardous Materials</i> , 2020, 387, 122007.	12.4	34
80	Modified red mud catalyst for the selective catalytic reduction of nitrogen oxides: Impact mechanism of cerium precursors on surface physicochemical properties. <i>Chemosphere</i> , 2020, 257, 127215.	8.2	25
81	Highly Efficient and Selective Hg(II) Removal from Water Using Multilayered Ti <sub>3</sub> C <sub>2</sub> O <sub>x</sub> MXene via Adsorption Coupled with Catalytic Reduction Mechanism. <i>Environmental Science &amp; Technology</i> , 2020, 54, 16212-16220.	10.0	92
82	On-Site Treatment of Shale Gas Flowback and Produced Water in Sichuan Basin by Fertilizer Drawn Forward Osmosis for Irrigation. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10926-10935.	10.0	25
83	Rare Earth Elements Occurrence and Economical Recovery Strategy from Shale Gas Wastewater in the Sichuan Basin, China. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11914-11920.	6.7	40
84	Why Was My Paper Rejected without Review?. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11641-11644.	10.0	10
85	Development of a highly efficient electrochemical flow-through anode based on inner in-site enhanced TiO <sub>2</sub> -nanotubes array. <i>Environment International</i> , 2020, 140, 105813.	10.0	40
86	Quantitative structure-activity relationship models for predicting singlet oxygen reaction rate constants of dissociating organic compounds. <i>Science of the Total Environment</i> , 2020, 735, 139498.	8.0	20
87	Efficient degradation of lomefloxacin by Co-Cu-LDH activating peroxydisulfate process: Optimization, dynamics, degradation pathway and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 399, 122966.	12.4	89
88	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.	4.3	74
89	Rational tuning towards A/B-sites double-occupying cobalt on tri-metallic spinel: Insights into its catalytic activity on toluene catalytic oxidation. <i>Chemical Engineering Journal</i> , 2020, 399, 125792.	12.7	30
90	Adsorption mechanism for removing different species of fluoride by designing of core-shell boehmite. <i>Journal of Hazardous Materials</i> , 2020, 394, 122555.	12.4	51

#	ARTICLE	IF	CITATIONS
91	The mechanism of microwave-induced mineral transformation and stabilization of arsenic in realgar tailings using ferrous sulfate. Chemical Engineering Journal, 2020, 393, 124732.	12.7	17
92	Contrasting abiotic As(III) immobilization by undissolved and dissolved fractions of biochar in Ca <sup>2+</sup> -rich groundwater under anoxic conditions. Water Research, 2020, 183, 116106.	11.3	42
93	Simultaneous sulfamethazine oxidation and bromate reduction by Pd-mediated Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalysts: Synergetic mechanism and degradative pathway. Chemical Engineering Journal, 2020, 401, 126061.	12.7	34
94	Thermodynamic analysis of a solar thermal facilitated membrane seawater desalination process. Journal of Cleaner Production, 2020, 256, 120398.	9.3	20
95	Degradation of thiachlopid via unactivated peroxymonosulfate: The overlooked singlet oxygen oxidation. Chemical Engineering Journal, 2020, 388, 124264.	12.7	100
96	Photocatalytic water splitting of ternary graphene-like photocatalyst for the photocatalytic hydrogen production. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	21
97	Biomass combustion: Environmental impact of various precombustion processes. Journal of Cleaner Production, 2020, 261, 121217.	9.3	22
98	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mn <sup>2+</sup> /Ce Hollow Structure. ChemCatChem, 2020, 12, 2872-2879.	3.7	27
99	Insights into modified red mud for the selective catalytic reduction of NO : Activation mechanism of targeted leaching. Journal of Hazardous Materials, 2020, 394, 122536.	12.4	30
100	Study on the Transport Mechanism of a Freestanding Graphene Oxide Membrane for Forward Osmosis. Environmental Science & Technology, 2020, 54, 5802-5812.	10.0	19
101	NH <sub>3</sub> -SCR performance of WO <sub>3</sub> blanketed CeO <sub>2</sub> with different morphology: Balance of surface reducibility and acidity. Catalysis Today, 2019, 332, 42-48.	4.4	79
102	Distribution characteristics and pollution risk evaluation of the nitrogen and phosphorus species in the sediments of Lake Erhai, Southwest China. Environmental Science and Pollution Research, 2019, 26, 22295-22304.	5.3	26
103	The synergistic mechanism of NO <sub>x</sub> and chlorobenzene degradation in municipal solid waste incinerators. Catalysis Science and Technology, 2019, 9, 4286-4292.	4.1	39
104	Can virtual water trade save water resources?. Water Research, 2019, 163, 114848.	11.3	59
105	Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox. Environmental Science & Technology, 2019, 53, 9341-9351.	10.0	17
106	Fabrication of the flower-flake-like CuBi <sub>2</sub> O <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterostructure as efficient visible-light driven photocatalysts: Performance, kinetics and mechanism insight. Applied Surface Science, 2019, 495, 143521.	6.1	99
107	A Critical Review on Energy Conversion and Environmental Remediation of Photocatalysts with Remodeling Crystal Lattice, Surface, and Interface. ACS Nano, 2019, 13, 9811-9840.	14.6	331
108	pH Dependence of Arsenic Oxidation by Rice-Husk-Derived Biochar: Roles of Redox-Active Moieties. Environmental Science & Technology, 2019, 53, 9034-9044.	10.0	175



#	ARTICLE	IF	CITATIONS
109	Simultaneous Removal of SO <sub>2</sub> and NO Using a Novel Method of Ultraviolet Irradiating Chlorite- <i>Ammonia</i> Complex. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9014-9023.	10.0	49
110	Development of a Three-Dimensional Electrochemical System Using a Blue TiO <sub>2</sub> /SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13784-13793.	10.0	45
111	Resource Recovery and Reuse for Hydraulic Fracturing Wastewater in Unconventional Shale Gas and Oil Extraction. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13547-13548.	10.0	25
112	Research Development on Sustainable Urban Infrastructure From 1991 to 2017: A Bibliometric Analysis to Inform Future Innovations. <i>Earth's Future</i> , 2019, 7, 718-733.	6.3	36
113	Nanomaterial Adsorbent Design: From Bench Scale Tests to Engineering Design. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10537-10538.	10.0	33
114	Deep Dehalogenation of Florfenicol Using Crystalline CoP Nanosheet Arrays on a Ti Plate via Direct Cathodic Reduction and Atomic H. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11932-11940.	10.0	67
115	Phase-Mediated Heavy Metal Adsorption from Aqueous Solutions Using Two-Dimensional Layered MoS <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38789-38797.	8.0	82
116	Heterogeneous degradation of carbamazepine by Prussian blue analogues in the interlayers of layered double hydroxides: performance, mechanism and toxicity evaluation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 342-352.	10.3	67
117	Tuning Pb(II) Adsorption from Aqueous Solutions on Ultrathin Iron Oxychloride (FeOCl) Nanosheets. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2075-2085.	10.0	121
118	Measuring urban environmental sustainability performance in China: A multi-scale comparison among different cities, urban clusters, and geographic regions. <i>Cities</i> , 2019, 94, 200-210.	5.6	43
119	Smart ultrafiltration membrane fouling control as desalination pretreatment of shale gas fracturing wastewater: The effects of backwash water. <i>Environment International</i> , 2019, 130, 104869.	10.0	32
120	Electrochemical degradation of methylisothiazolinone by using Ti/SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> /I <sub>2</sub> -PbO <sub>2</sub> electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 374, 626-636.	12.7	133
121	Mining of the association rules between industrialization level and air quality to inform high-quality development in China. <i>Journal of Environmental Management</i> , 2019, 246, 564-574.	7.8	70
122	Modified Silica Adsorbents for Toluene Adsorption under Dry and Humid Conditions: Impacts of Pore Size and Surface Chemistry. <i>Langmuir</i> , 2019, 35, 8927-8934.	3.5	24
123	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6937-6944.	10.0	75
124	Hormesis effects of phosphorus on the viability of <i>Chlorella regularis</i> cells under nitrogen limitation. <i>Biotechnology for Biofuels</i> , 2019, 12, 121.	6.2	30
125	The individual and Co-exposure degradation of benzophenone derivatives by UV/H <sub>2</sub> O <sub>2</sub> and UV/PDS in different water matrices. <i>Water Research</i> , 2019, 159, 102-110.	11.3	79
126	Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC- <i>g</i> -PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 6413-6423.	3.7	65



#	ARTICLE	IF	CITATIONS
127	Enhanced photocatalytic ozonation of organic pollutants using an iron-based metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 66-75.	20.2	154
128	Dietary Uptake Patterns Affect Bioaccumulation and Biomagnification of Hydrophobic Organic Compounds in Fish. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4274-4284.	10.0	40
129	Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4335-4345.	10.0	70
130	Sea-urchin-structure g-C <sub>3</sub> N <sub>4</sub> with narrow bandgap (E <sub>g</sub> 2.0 eV) for efficient overall water splitting under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 275-281.	20.2	110
131	Evaluation of eutrophication in freshwater lakes: A new non-equilibrium statistical approach. <i>Ecological Indicators</i> , 2019, 102, 686-692.	6.3	38
132	Transformation of arsenic during realgar tailings stabilization using ferrous sulfate in a pilot-scale treatment. <i>Science of the Total Environment</i> , 2019, 668, 32-39.	8.0	40
133	Reply to comments on: Mao et al. (2018) "Bibliometric analysis of insights into soil remediation". <i>Journal of Soils and Sediments</i> , 18(7):2520-2534. <i>Journal of Soils and Sediments</i> , 2019, 19, 3659-3661.	3.0	0
134	Cd complexation with mercapto-functionalized attapulgite (MATP): Adsorption and DFT study. <i>Chemical Engineering Journal</i> , 2019, 366, 569-576.	12.7	51
135	3D hierarchical porous-structured biochar aerogel for rapid and efficient phenicol antibiotics removal from water. <i>Chemical Engineering Journal</i> , 2019, 368, 639-648.	12.7	124
136	Electrochemical Pretreatment for Sludge Sulfide Control without Chemical Dosing: A Mechanistic Study. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14559-14567.	10.0	17
137	Enhanced Photocatalytic Activity of SiC-Based Ternary Graphene Materials: A DFT Study and the Photocatalytic Mechanism. <i>ACS Omega</i> , 2019, 4, 20142-20151.	3.5	20
138	In situ growth of Ag-SnO <sub>2</sub> quantum dots on silver phosphate for photocatalytic degradation of carbamazepine: Performance, mechanism and intermediates toxicity assessment. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 270-278.	9.4	41
139	Quantitative structure-activity relationship models for predicting reaction rate constants of organic contaminants with hydrated electrons and their mechanistic pathways. <i>Water Research</i> , 2019, 151, 468-477.	11.3	61
140	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2937-2947.	10.0	493
141	Potential and implemented membrane-based technologies for the treatment and reuse of flowback and produced water from shale gas and oil plays: A review. <i>Desalination</i> , 2019, 455, 34-57.	8.2	233
142	Sulfadiazine destruction by chlorination in a pilot-scale water distribution system: Kinetics, pathway, and bacterial community structure. <i>Journal of Hazardous Materials</i> , 2019, 366, 88-97.	12.4	61
143	Electrochemical oxidation and advanced oxidation processes using a 3D hexagonal Co <sub>3</sub> O <sub>4</sub> array anode for 4-nitrophenol decomposition coupled with simultaneous CO <sub>2</sub> conversion to liquid fuels via a flower-like CuO cathode. <i>Water Research</i> , 2019, 150, 330-339.	11.3	147
144	Effect of adding a smart potassium ion-responsive copolymer into polysulfone support membrane on the performance of thin-film composite nanofiltration membrane. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 400-414.	4.4	5

#	ARTICLE	IF	CITATIONS
145	Reinventing Fenton Chemistry: Iron Oxide Nanosheet for pH-Insensitive H <sub>2</sub> O <sub>2</sub> Activation. Environmental Science and Technology Letters, 2018, 5, 186-191.	8.7	202
146	Oxidation of Microcystin-LR via Activation of Peroxymonosulfate Using Ascorbic Acid: Kinetic Modeling and Toxicity Assessment. Environmental Science & Technology, 2018, 52, 4305-4312.	10.0	114
147	Remediation of Petroleum-Contaminated Soil and Simultaneous Recovery of Oil by Fast Pyrolysis. Environmental Science & Technology, 2018, 52, 5330-5338.	10.0	87
148	Closed-Loop Electrochemical Recycling of Spent Copper(II) from Etchant Wastewater Using a Carbon Nanotube Modified Graphite Felt Anode. Environmental Science & Technology, 2018, 52, 5940-5948.	10.0	53
149	Low concentrations of Al(III) accelerate the formation of biofilm: Multiple effects of hormesis and flocculation. Science of the Total Environment, 2018, 634, 516-524.	8.0	27
150	Bibliometric analysis of insights into soil remediation. Journal of Soils and Sediments, 2018, 18, 2520-2534.	3.0	43
151	Urban expansion simulation and the spatio-temporal changes of ecosystem services, a case study in Atlanta Metropolitan area, USA. Science of the Total Environment, 2018, 622-623, 974-987.	8.0	171
152	Effects of Chloride Ions on Dissolution, ROS Generation, and Toxicity of Silver Nanoparticles under UV Irradiation. Environmental Science & Technology, 2018, 52, 4842-4849.	10.0	73
153	Degradation of dyes by peroxymonosulfate activated by ternary CoFeNi-layered double hydroxide: Catalytic performance, mechanism and kinetic modeling. Journal of Colloid and Interface Science, 2018, 515, 92-100.	9.4	92
154	Efficient heavy metal removal from industrial melting effluent using fixed-bed process based on porous hydrogel adsorbents. Water Research, 2018, 131, 246-254.	11.3	291
155	Statistical optimization and batch studies on adsorption of phosphate using Al-eggshell. Adsorption Science and Technology, 2018, 36, 999-1017.	3.2	23
156	High catalytic oxidation of As(III) by molecular oxygen over Fe-loaded silicon carbide with MW activation. Chemosphere, 2018, 198, 537-545.	8.2	10
157	Weak-Bond-Based Photoreduction of Polybrominated Diphenyl Ethers on Graphene in Water. ACS Sustainable Chemistry and Engineering, 2018, 6, 6711-6717.	6.7	22
158	Experimental and modeling investigations of ball-milled biochar for the removal of aqueous methylene blue. Chemical Engineering Journal, 2018, 335, 110-119.	12.7	262
159	PVDF ultrafiltration membranes of controlled performance via blending PVDF-g-PEGMA copolymer synthesized under different reaction times. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	21
160	Arsenic adsorption on $\gamma$ -MnO <sub>2</sub> nanofibers and the significance of (1 0 0) facet as compared with (1 1 0). Chemical Engineering Journal, 2018, 331, 492-500.	12.7	106
161	Cu <sub>2</sub> O nanocrystals/TiO <sub>2</sub> microspheres film on a rotating disk containing long-afterglow phosphor for enhanced round-the-clock photocatalysis. Applied Catalysis B: Environmental, 2018, 224, 239-248.	20.2	80
162	High-performance polyamide thin-film composite nanofiltration membrane: Role of thermal treatment. Applied Surface Science, 2018, 435, 415-423.	6.1	28

#	ARTICLE	IF	CITATIONS
163	Distribution and sources of polycyclic aromatic hydrocarbons and phthalic acid esters in water and surface sediment from the Three Gorges Reservoir. <i>Journal of Environmental Sciences</i> , 2018, 69, 271-280.	6.1	42
164	Non-woven PET fabric reinforced and enhanced the performance of ultrafiltration membranes composed of PVDF blended with PVDF-g-PEGMA for industrial applications. <i>Applied Surface Science</i> , 2018, 435, 1072-1079.	6.1	36
165	Silica deposition as an approach for improving the hydrothermal stability of an alumina support during glycerol aqueous phase reforming. <i>Applied Catalysis A: General</i> , 2018, 551, 13-22.	4.3	32
166	Life cycle assessment of small-scale greywater reclamation systems combined with conventional centralized water systems for the City of Atlanta, Georgia. <i>Journal of Cleaner Production</i> , 2018, 174, 333-342.	9.3	67
167	Different transport behaviors of <i>Bacillus subtilis</i> cells and spores in saturated porous media: Implications for contamination risks associated with bacterial sporulation in aquifer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 35-42.	5.0	14
168	Impacts of Combined Cooling, Heating and Power Systems, and Rainwater Harvesting on Water Demand, Carbon Dioxide, and NO <sub>x</sub> Emissions for Atlanta. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3-10.	10.0	26
169	Development of an efficient approach for separating bubbles and flocs in a submerged membrane ultrafiltration process. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 808-818.	2.1	1
170	The role of reactive oxygen species and carbonate radical in oxcarbazepine degradation via UV, UV/H <sub>2</sub> O <sub>2</sub> : Kinetics, mechanisms and toxicity evaluation. <i>Water Research</i> , 2018, 147, 204-213.	11.3	103
171	Mechanistic insights into adsorption and reduction of hexavalent chromium from water using magnetic biochar composite: Key roles of Fe <sub>3</sub> O <sub>4</sub> and persistent free radicals. <i>Environmental Pollution</i> , 2018, 243, 1302-1309.	7.5	162
172	Stabilization and Mineralization Mechanism of Cd with Cu-Loaded Attapulgite Stabilizer Assisted with Microwave Irradiation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12624-12632.	10.0	18
173	Pb(II), Cu(II) and Cd(II) removal using a humic substance-based double network hydrogel in individual and multicomponent systems. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20110-20120.	10.3	106
174	Impact of Chloride Ions on UV/H <sub>2</sub> O <sub>2</sub> and UV/Persulfate Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7380-7389.	10.0	178
175	Insight into chloride effect on the UV/peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2018, 352, 477-489.	12.7	56
176	Analyzing spatio-temporal changes and trade-offs to support the supply of multiple ecosystem services in Beijing, China. <i>Ecological Indicators</i> , 2018, 94, 117-129.	6.3	89
177	Blended PVC/PVC-g-PEGMA ultrafiltration membranes with enhanced performance and antifouling properties. <i>Applied Surface Science</i> , 2018, 455, 987-996.	6.1	62
178	A freestanding graphene oxide membrane for efficiently harvesting salinity gradient power. <i>Carbon</i> , 2018, 138, 410-418.	10.3	31
179	Electrochemical oxidation of <i>Microcystis aeruginosa</i> using a Ti/RuO <sub>2</sub> anode: contributions of electrochemically generated chlorines and hydrogen peroxide. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27924-27934.	5.3	10
180	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H <sup>*</sup> . <i>Journal of Hazardous Materials</i> , 2018, 358, 294-301.	12.4	44

#	ARTICLE	IF	CITATIONS
181	Quorum sensing molecules in activated sludge could trigger microalgae lipid synthesis. <i>Bioresource Technology</i> , 2018, 263, 576-582.	9.6	49
182	Performance of Modified $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_{3-\delta}$ Perovskite Catalysts for $\text{NH}_3$ Oxidation: TPD, DFT, and Kinetic Studies. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7443-7449.	10.0	67
183	Acceleration of saturated porous media clogging and silicon dissolution due to low concentrations of Al(III) in the recharge of reclaimed water. <i>Water Research</i> , 2018, 143, 136-145.	11.3	32
184	Infrastructure ecology: an evolving paradigm for sustainable urban development. <i>Journal of Cleaner Production</i> , 2017, 163, S19-S27.	9.3	76
185	An integrated framework for managing the complex interdependence between infrastructures and the socioeconomic environment: An application in metropolitan Atlanta. <i>Urban Studies</i> , 2017, 54, 2874-2893.	3.7	3
186	Mass balance-based regression modeling of Cd and Zn accumulation in urban soils of Beijing. <i>Journal of Environmental Sciences</i> , 2017, 53, 99-106.	6.1	19
187	Groundwater remediation from the past to the future: A bibliometric analysis. <i>Water Research</i> , 2017, 119, 114-125.	11.3	131
188	Solar photoreactor design by the photon path length and optimization of the radiant field in a $\text{TiO}_2$ -based CPC reactor. <i>Chemical Engineering Journal</i> , 2017, 315, 283-295.	12.7	27
189	Novel $\text{RGO}/\text{FeOOH}$ supported catalyst for Fenton oxidation of phenol at a wide pH range using solar-light-driven irradiation. <i>Journal of Hazardous Materials</i> , 2017, 329, 321-329.	12.4	69
190	Data-enabled public preferences inform integration of autonomous vehicles with transit-oriented development in Atlanta. <i>Cities</i> , 2017, 63, 118-127.	5.6	39
191	Responses of the Microalga <i>Chlorophyta</i> sp. to Bacterial Quorum Sensing Molecules ( <i>N-Acylhomoserine Lactones</i> ): Aromatic Protein-Induced Self-Aggregation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3490-3498.	10.0	102
192	Antimony Removal from Aqueous Solution Using Novel $\text{MnO}_2$ Nanofibers: Equilibrium, Kinetic, and Density Functional Theory Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2255-2264.	6.7	85
193	Bioresources inner-recycling between bioflocculation of <i>Microcystis aeruginosa</i> and its reutilization as a substrate for bioflocculant production. <i>Scientific Reports</i> , 2017, 7, 43784.	3.3	16
194	Removal of calcium and magnesium ions from shale gas flowback water by chemically activated zeolite. <i>Water Science and Technology</i> , 2017, 76, 575-583.	2.5	21
195	Photocatalytic wastewater purification with simultaneous hydrogen production using $\text{MoS}_2$ QD-decorated hierarchical assembly of $\text{ZnIn}_2\text{S}_4$ on reduced graphene oxide photocatalyst. <i>Water Research</i> , 2017, 121, 11-19.	11.3	176
196	Self-Optimization of the Active Site of Molybdenum Disulfide by an Irreversible Phase Transition during Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7610-7614.	13.8	221
197	Self-Optimization of the Active Site of Molybdenum Disulfide by an Irreversible Phase Transition during Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2017, 129, 7718-7722.	2.0	61
198	The preparation and performance of lignin-based activated carbon fiber adsorbents for treating gaseous streams. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 328-337.	4.4	32

#	ARTICLE	IF	CITATIONS
199	Kinetics and mechanism of $^{17}\text{O}_2$ -estradiol chlorination in a pilot-scale water distribution systems. <i>Chemosphere</i> , 2017, 178, 73-79.	8.2	19
200	Excellent performance of cobalt-impregnated activated carbon in peroxymonosulfate activation for acid orange 7 oxidation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9651-9661.	5.3	44
201	Air pollutant emissions from economic sectors in China: A linkage analysis. <i>Ecological Indicators</i> , 2017, 77, 250-260.	6.3	45
202	Sustained molecular oxygen activation by solid iron doped silicon carbide under microwave irradiation: Mechanism and application to norfloxacin degradation. <i>Water Research</i> , 2017, 126, 274-284.	11.3	64
203	Ball-Milled Carbon Nanomaterials for Energy and Environmental Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9568-9585.	6.7	187
204	Impacts of Pb and $\text{SO}_2$ Poisoning on $\text{CeO}_2/\text{WO}_3/\text{TiO}_2/\text{SiO}_2$ SCR Catalyst. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11943-11949.	10.0	90
205	PVDF blended PVDF-g-PMAA pH-responsive membrane: Effect of additives and solvents on membrane properties and performance. <i>Journal of Membrane Science</i> , 2017, 541, 558-566.	8.2	38
206	Excessive phosphorus enhances <i>Chlorella regularis</i> lipid production under nitrogen starvation stress during glucose heterotrophic cultivation. <i>Chemical Engineering Journal</i> , 2017, 330, 566-572.	12.7	65
207	Key findings of the 2016 symposium on the frontiers of chemical science and engineering: Environment and sustainable development. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 305-307.	4.4	3
208	Combined genotoxicity of chlorinated products from tyrosine and benzophenone-4. <i>Journal of Hazardous Materials</i> , 2017, 322, 387-393.	12.4	7
209	The case study of combined cooling heat and power and photovoltaic systems for building customers using HOMER software. <i>Electric Power Systems Research</i> , 2017, 143, 490-502.	3.6	40
210	Electrochemical oxidation of ofloxacin using a $\text{TiO}_2$ -based $\text{SnO}_2\text{-Sb}$ /polytetrafluoroethylene resin- $\text{PbO}_2$ electrode: Reaction kinetics and mass transfer impact. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 515-525.	20.2	212
211	Fabrication of visible-light active $\text{Fe}_2\text{O}_3\text{-GQDs/NF-TiO}_2$ composite film with highly enhanced photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 347-356.	20.2	54
212	DNA Damage in <i>Euonymus japonicus</i> Leaf Cells Caused by Roadside Pollution in Beijing. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 742.	2.6	6
213	Effects of Heavy Metals from Soil and Dust Source on DNA Damage of the <i>Leymus chinensis</i> Leaves in Coal-Mining Area in Northwest China. <i>PLoS ONE</i> , 2016, 11, e0166522.	2.5	6
214	An electrochemical process that uses an $\text{FeO}/\text{TiO}_2$ cathode to degrade typical dyes and antibiotics and a bio-anode that produces electricity. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	6.0	38
215	Zirconia ( $\text{ZrO}_2$ ) Embedded in Carbon Nanowires via Electrospinning for Efficient Arsenic Removal from Water Combined with DFT Studies. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18912-18921.	8.0	83
216	Water, Air Emissions, and Cost Impacts of Air-Cooled Microturbines for Combined Cooling, Heating, and Power Systems: A Case Study in the Atlanta Region. <i>Engineering</i> , 2016, 2, 470-480.	6.7	10

#	ARTICLE	IF	CITATIONS
217	Surface Tuning of La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> Perovskite Catalysts by Acetic Acid for NO <sub>x</sub> Storage and Reduction. Environmental Science & Technology, 2016, 50, 6442-6448.	10.0	108
218	Facile synthesis of AgI/BiOI-Bi <sub>2</sub> O <sub>3</sub> multi-heterojunctions with high visible light activity for Cr(VI) reduction. Journal of Hazardous Materials, 2016, 317, 8-16.	12.4	111
219	Cost-benefit analysis of GHG emission reduction in waste to energy projects of China under clean development mechanism. Resources, Conservation and Recycling, 2016, 109, 90-95.	10.8	40
220	Preparation and Photoelectrochemical Performance of Visible-Light Active AgI/TiO <sub>2</sub> -NTs Composite with Rich <sup>12</sup> -AgI. Industrial & Engineering Chemistry Research, 2016, 55, 4897-4904.	3.7	22
221	Development of novel CaCO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> nanorods for low temperature 1,2-dichlorobenzene oxidation. Applied Catalysis A: General, 2016, 522, 70-79.	4.3	26
222	The effectiveness of coagulation for water reclamation from a wastewater treatment plant that has a long hydraulic and sludge retention times: A case study. Chemosphere, 2016, 157, 224-231.	8.2	39
223	Investigation of the Poisoning Mechanism of Lead on the CeO <sub>2</sub> -WO <sub>3</sub> Catalyst for the NH <sub>3</sub> -SCR Reaction via in Situ IR and Raman Spectroscopy Measurement. Environmental Science & Technology, 2016, 50, 9576-9582.	10.0	106
224	Fractal dimensions of metropolitan area road networks and the impacts on the urban built environment. Ecological Indicators, 2016, 70, 285-296.	6.3	35
225	Thin-film composite forward osmosis membranes with substrate layer composed of polysulfone blended with PEG or polysulfone grafted PEG methyl ether methacrylate. Frontiers of Chemical Science and Engineering, 2016, 10, 562-574.	4.4	23
226	Capturing Lithium from Wastewater Using a Fixed Bed Packed with 3-D MnO <sub>2</sub> Ion Cages. Environmental Science & Technology, 2016, 50, 13002-13012.	10.0	102
227	Application of silica-based monolith as solid-phase extraction sorbent for extracting toxaphene congeners in soil. Journal of Sol-Gel Science and Technology, 2016, 80, 87-95.	2.4	5
228	Life cycle assessment of low impact development technologies combined with conventional centralized water systems for the City of Atlanta, Georgia. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	6.0	55
229	Courtyard integrated ecological system: An ecological engineering practice in China and its economic-environmental benefit. Journal of Cleaner Production, 2016, 133, 1363-1370.	9.3	7
230	Dechlorination and decomposition of chloroform induced by glow discharge plasma in an aqueous solution. Journal of Hazardous Materials, 2016, 308, 84-90.	12.4	33
231	Chemical poison and regeneration of SCR catalysts for NO <sub>x</sub> removal from stationary sources. Frontiers of Environmental Science and Engineering, 2016, 10, 413-427.	6.0	100
232	Novel off-Gas Treatment Technology To Remove Volatile Organic Compounds with High Concentration. Industrial & Engineering Chemistry Research, 2016, 55, 2594-2603.	3.7	16
233	Combined autotrophic nitrification and bioelectrochemical-sulfur denitrification for treatment of ammonium rich wastewater with low C/N ratio. Environmental Science and Pollution Research, 2016, 23, 2329-2340.	5.3	6
234	Design of visible light responsive photocatalysts for selective reduction of chlorinated organic compounds in water. Applied Catalysis A: General, 2016, 521, 90-95.	4.3	19



#	ARTICLE	IF	CITATIONS
235	Perfluorooctanoic Acid Degradation Using UVâ€“Persulfate Process: Modeling of the Degradation and Chlorate Formation. Environmental Science & Technology, 2016, 50, 772-781.	10.0	294
236	Highly enhanced photocatalytic reduction of Cr(VI) on AgI/TiO <sub>2</sub> under visible light irradiation: Influence of calcination temperature. Journal of Hazardous Materials, 2016, 307, 213-220.	12.4	90
237	Fouling characteristics of reverse osmosis membranes at different positions of a full-scale plant for municipal wastewater reclamation. Water Research, 2016, 90, 329-336.	11.3	114
238	Environmental Impacts of Chinaâ€™s Urbanization from 2000 to 2010 and Management Implications. Environmental Management, 2016, 57, 498-507.	2.7	45
239	Comparison of MoO <sub>3</sub> and WO <sub>3</sub> on arsenic poisoning V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst: DRIFTS and DFT study. Applied Catalysis B: Environmental, 2016, 181, 692-698.	20.2	117
240	Managing the Complexity of Urban Systems. Journal of Industrial Ecology, 2015, 19, 201-204.	5.5	11
241	A Survey of Soil Enzyme Activities along Major Roads in Beijing: The Implications for Traffic Corridor Green Space Management. International Journal of Environmental Research and Public Health, 2015, 12, 12475-12488.	2.6	11
242	Treatment of Antibiotic Pharmaceutical Wastewater Using a Rotating Biological Contactor. Journal of Chemistry, 2015, 2015, 1-8.	1.9	21
243	The impact of microturbines and PV systems of office buildings in energy-efficient, economical, and environmental aspects. , 2015, , .		3
244	Recovery of Lithium from Wastewater Using Development of Li Ion-Imprinted Polymers. ACS Sustainable Chemistry and Engineering, 2015, 3, 460-467.	6.7	133
245	New Editors-in-Chiefâ€™s Message. Frontiers of Environmental Science and Engineering, 2015, 9, 1-1.	6.0	5
246	Market potential for smart growth neighbourhoods in the USA: A latent class analysis on heterogeneous preference and choice. Urban Studies, 2015, 52, 3001-3017.	3.7	12
247	The self-preserving size distribution of fractal aggregates coagulating by Brownian motion and simultaneous fluid shear at low Peclet numbers: Numerical solutions. Journal of Aerosol Science, 2015, 87, 1-16.	3.8	6
248	Surface modification of UF membranes with functionalized MWCNTs to control membrane fouling by NOM fractions. Journal of Membrane Science, 2015, 492, 400-411.	8.2	121
249	Influence of climate on the environmental and economic life cycle assessments of window options in the United States. Energy and Buildings, 2015, 102, 293-306.	6.7	28
250	Spatial variation and sources of polycyclic aromatic hydrocarbons (PAHs) in surface sediments from the Yangtze Estuary, China. Environmental Sciences: Processes and Impacts, 2015, 17, 1340-1347.	3.5	22
251	On-the-Fly Kinetic Monte Carlo Simulation of Aqueous Phase Advanced Oxidation Processes. Environmental Science & Technology, 2015, 49, 9230-9236.	10.0	16
252	Photocatalytic reduction of triclosan on Auâ€“Cu <sub>2</sub> O nanowire arrays as plasmonic photocatalysts under visible light irradiation. Physical Chemistry Chemical Physics, 2015, 17, 17421-17428.	2.8	34



#	ARTICLE	IF	CITATIONS
253	A combination of electro-enzymatic catalysis and electrocoagulation for the removal of endocrine disrupting chemicals from water. <i>Journal of Hazardous Materials</i> , 2015, 297, 269-277.	12.4	34
254	Forming mechanism study of unique pillar-like and defect-free PVDF ultrafiltration membranes with high flux. <i>Journal of Membrane Science</i> , 2015, 487, 1-11.	8.2	32
255	Impact of maintenance on life cycle impact and cost assessment for residential flooring options. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 36-45.	4.7	32
256	Life cycle assessment of the City of Atlanta, Georgia's centralized water system. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 880-891.	4.7	41
257	Experimental and DFT studies on Sr-doped $\text{LaMnO}_3$ catalysts for $\text{NO}_x$ storage and reduction. <i>Catalysis Science and Technology</i> , 2015, 5, 2478-2485.	4.1	48
258	Occurrence and risk assessment of selected phthalates in drinking water from waterworks in China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10690-10698.	5.3	60
259	Fabrication and Electrochemical Treatment Application of an Al-Doped $\text{PbO}_2$ Electrode with High Oxidation Capability, Oxygen Evolution Potential and Reusability. <i>Journal of the Electrochemical Society</i> , 2015, 162, E258-E262.	2.9	30
260	The Energy-Efficient, Economical, and Environmental Impacts of Microturbines on Residential Customers. , 2015, , .		3
261	Removal of Antimonite ( $\text{Sb(III)}$ ) and Antimonate ( $\text{Sb(V)}$ ) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide ( $\text{ZrO}_2$ ). <i>Environmental Science &amp; Technology</i> , 2015, 49, 11115-11124.	10.0	233
262	PVDF layer as a separator on the solution-side of air-cathodes: the electricity generation, fouling and regeneration. <i>RSC Advances</i> , 2015, 5, 52361-52368.	3.6	13
263	Regional energy rebound effect: The impact of economy-wide and sector level energy efficiency improvement in Georgia, USA. <i>Energy Policy</i> , 2015, 87, 250-259.	8.8	49
264	Deactivation and regeneration of a commercial SCR catalyst: Comparison with alkali metals and arsenic. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 195-202.	20.2	180
265	Mechanisms of $\text{Cu}^{2+}$ migration, recovery and detoxification in $\text{Cu}^{2+}$ -, -containing wastewater treatment process with anaerobic granular sludge. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1956-1961.	2.2	11
266	Efficient photocatalytic $\text{H}_2$ production using visible-light irradiation and $(\text{CuAg})_{1-x}\text{In}_x\text{Zn}_2(1\leq x\leq 1)$ photocatalysts with tunable band gaps. <i>International Journal of Energy Research</i> , 2014, 38, 1513-1521.	4.0	14
267	Development of Linear Free Energy Relationships for Aqueous Phase Radical-Involved Chemical Reactions. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13925-13932.	10.0	41
268	Effects of inorganic electron donors in photocatalytic hydrogen production over $\text{Ru}/(\text{CuAg})_{0.15}\text{In}_{0.3}\text{Zn}_{1.4}\text{S}_2$ under visible light irradiation. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 033131.	2.0	14
269	Promoting effect of nitration modification on activated carbon in the catalytic ozonation of oxalic acid. <i>Applied Catalysis B: Environmental</i> , 2014, 146, 169-176.	20.2	99
270	Measurement and Modeling for the Solubility of Hydrogen Sulfide in Primene JM-T. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 89-97.	3.5	1

#	ARTICLE	IF	CITATIONS
271	Sustainable plants in urban parks: A life cycle analysis of traditional and alternative lawns in Georgia, USA. Landscape and Urban Planning, 2014, 122, 140-151.	7.5	34
272	Computer-Based First-Principles Kinetic Modeling of Degradation Pathways and Byproduct Fates in Aqueous-Phase Advanced Oxidation Processes. Environmental Science & Technology, 2014, 48, 5718-5725.	10.0	31
273	Computer-Based First-Principles Kinetic Monte Carlo Simulation of Polyethylene Glycol Degradation in Aqueous Phase UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation Process. Environmental Science & Technology, 2014, 48, 10813-10820.	10.0	11
274	Integration of microbial fuel cell with independent membrane cathode bioreactor for power generation, membrane fouling mitigation and wastewater treatment. International Journal of Hydrogen Energy, 2014, 39, 17865-17872.	7.1	52
275	Activated carbon enhanced ozonation of oxalate attributed to HO oxidation in bulk solution and surface oxidation: Effect of activated carbon dosage and pH. Journal of Environmental Sciences, 2014, 26, 2095-2105.	6.1	15
276	Photochemical Transformation and Photoinduced Toxicity Reduction of Silver Nanoparticles in the Presence of Perfluorocarboxylic Acids under UV Irradiation. Environmental Science & Technology, 2014, 48, 4946-4953.	10.0	55
277	Kinetics and Modeling of Degradation of Ionophore Antibiotics by UV and UV/H <sub>2</sub> O <sub>2</sub> . Environmental Science & Technology, 2013, 47, 4581-4589.	10.0	111
278	Impact of Photovoltaic Distributed Generation on Generation Resource Allocation. , 2013, , .		0
279	Conductive and hydrophilic polypyrrole modified membrane cathodes and fouling reduction in MBR. Journal of Membrane Science, 2013, 429, 252-258.	8.2	61
280	Stability of an H <sub>2</sub> -producing photocatalyst (Ru/(CuAg)0.15In0.3Zn1.4S <sub>2</sub> ) in aqueous solution under visible light irradiation. International Journal of Hydrogen Energy, 2013, 38, 1286-1296.	7.1	31
281	Photocatalytic hydrogen production under visible-light irradiation on (CuAg)0.15In0.3Zn1.4S <sub>2</sub> synthesized by precipitation and calcination. Chinese Journal of Catalysis, 2013, 34, 1926-1935.	14.0	22
282	The pH effects on H <sub>2</sub> evolution kinetics for visible light water splitting over the Ru/(CuAg)0.15In0.3Zn1.4S <sub>2</sub> photocatalyst. International Journal of Hydrogen Energy, 2013, 38, 11727-11736.	7.1	35
283	Acid-Catalyzed Transformation of Ionophore Veterinary Antibiotics: Reaction Mechanism and Product Implications. Environmental Science & Technology, 2013, 47, 6781-6789.	10.0	18
284	High performance ultrafiltration membrane composed of PVDF blended with its derivative copolymer PVDF-g-PEGMA. Journal of Membrane Science, 2013, 445, 66-75.	8.2	82
285	Use of Impact Fees To Incentivize Low-Impact Development and Promote Compact Growth. Environmental Science & Technology, 2013, 47, 10744-10752.	10.0	20
286	Enhanced electricity generation by triclosan and iron anodes in the three-chambered membrane bio-chemical reactor (TC-MBCR). Bioresource Technology, 2013, 147, 409-415.	9.6	16
287	Impacts of Onsite Stormwater Management on Different Residential Communities. Proceedings of the Water Environment Federation, 2012, 2012, 6423-6434.	0.0	1
288	Attachment Efficiency of Nanoparticle Aggregation in Aqueous Dispersions: Modeling and Experimental Validation. Environmental Science & Technology, 2012, 46, 7054-7062.	10.0	121

#	ARTICLE	IF	CITATIONS
289	Low-cost antifouling PVC ultrafiltration membrane fabrication with Pluronic F 127: Effect of additives on properties and performance. Desalination, 2012, 307, 26-33.	8.2	145
290	Developing a Science of Infrastructure Ecology for Sustainable Urban Systems. Environmental Science & Technology, 2012, 46, 7928-7929.	10.0	42
291	Effects of Metal Precursors on the Stability and Observed Reactivity of Pt/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts in Aqueous Phase Reactions. ChemCatChem, 2012, 4, 492-494.	3.7	38
292	Stability of Pt/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts in Model Biomass Solutions. Topics in Catalysis, 2012, 55, 162-174.	2.8	89
293	Photocatalytic degradation of 2,4-dichlorophenol using nanoscale Fe/TiO <sub>2</sub> . Chemical Engineering Journal, 2012, 181-182, 189-195.	12.7	113
294	MWH's Water Treatment. , 2012, , .		575
295	Reactivity of Aqueous Phase Hydroxyl Radical with Halogenated Carboxylate Anions: Experimental and Theoretical Studies. Environmental Science & Technology, 2011, 45, 6057-6065.	10.0	39
296	Should We Consider Using Liquid Fluoride Thorium Reactors for Power Generation?. Environmental Science & Technology, 2011, 45, 6237-6238.	10.0	18
297	Highly Selective PdCu/Amorphous Silica~Alumina (ASA) Catalysts for Groundwater Denitration. Environmental Science & Technology, 2011, 45, 4066-4072.	10.0	48
298	Water, energy, land use, transportation and socioeconomic nexus: A blue print for more sustainable urban systems. , 2011, , .		4
299	Structural Changes of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> -Supported Catalysts in Hot Liquid Water. ACS Catalysis, 2011, 1, 552-561.	11.2	232
300	CO <sub>2</sub> emissions embodied in China's exports from 2002 to 2008: A structural decomposition analysis. Energy Policy, 2011, 39, 7381-7388.	8.8	140
301	Linear Free Energy Relationships between Aqueous phase Hydroxyl Radical Reaction Rate Constants and Free Energy of Activation. Environmental Science & Technology, 2011, 45, 3479-3486.	10.0	56
302	An infrastructure ecology approach for urban infrastructure sustainability and resiliency. , 2011, , .		7
303	INTERCONNECTEDNESS AND RESILIENCE OF THE U.S. ECONOMY. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 649-672.	1.4	44
304	An energy analysis of polylactic acid (PLA) produced from corn grain and corn stover integrated system. , 2011, , .		5
305	Harnessing Energy for a Sustainable World. Journal of the American Chemical Society, 2010, 132, 4503-4505.	13.7	27
306	Toxicity and cellular responses of intestinal cells exposed to titanium dioxide. Cell Biology and Toxicology, 2010, 26, 225-238.	5.3	178

#	ARTICLE	IF	CITATIONS
307	Preparing future engineers for challenges of the 21st century: Sustainable engineering. Journal of Cleaner Production, 2010, 18, 698-701.	9.3	75
308	Decolorization of industrial wastewater by ozonation followed by adsorption on activated carbon. Journal of Hazardous Materials, 2010, 176, 181-185.	12.4	76
309	Holistic Framework for Sustainable and Resilient Design of Urban Energy and Water Infrastructure. Proceedings of the Water Environment Federation, 2010, 2010, 2138-2140.	0.0	2
310	Recommendations for Interdisciplinary Study of Tipping Points in Natural and Social Systems. Eos, 2010, 91, 143-144.	0.1	6
311	Gigaton Problems Need Gigaton Solutions. Environmental Science & Technology, 2010, 44, 4037-4041.	10.0	28
312	Now is the Time for Action: Transitions and Tipping Points in Complex Environmental Systems. Environment, 2010, 52, 38-45.	1.4	20
313	Environmental Impacts over the Life Cycle of Residential Buildings Using Different Exterior Wall Systems. Journal of Infrastructure Systems, 2009, 15, 211-221.	1.8	53
314	Development of a Group Contribution Method To Predict Aqueous Phase Hydroxyl Radical (HO•) Reaction Rate Constants. Environmental Science & Technology, 2009, 43, 6220-6227.	10.0	211
315	Computerized Pathway Elucidation for Hydroxyl Radical-Induced Chain Reaction Mechanisms in Aqueous Phase Advanced Oxidation Processes. Environmental Science & Technology, 2009, 43, 2831-2837.	10.0	32
316	Experimental approach for an in vitro toxicity assay with non-aggregated quantum dots. Toxicology in Vitro, 2009, 23, 955-962.	2.4	43
317	A comparison of pilot-scale photocatalysis and enhanced coagulation for disinfection byproduct mitigation. Water Research, 2009, 43, 1597-1610.	11.3	70
318	User-oriented batch reactor solutions to the homogeneous surface diffusion model for different activated carbon dosages. Water Research, 2009, 43, 1859-1866.	11.3	46
319	Oxidation of organics in retentates from reverse osmosis wastewater reuse facilities. Water Research, 2009, 43, 3992-3998.	11.3	197
320	Impact of natural organic matter and divalent cations on the stability of aqueous nanoparticles. Water Research, 2009, 43, 4249-4257.	11.3	508
321	Real-Time Ozone Detection Based on a Microfabricated Quartz Crystal Tuning Fork Sensor. Sensors, 2009, 9, 5655-5663.	3.8	23
322	Sustainability in Engineering Education and Research at U.S. Universities. Environmental Science & Technology, 2009, 43, 5558-5564.	10.0	63
323	An approach for evaluating nanomaterials for use as packed bed adsorber media: A case study of arsenate removal by titanate nanofibers. Journal of Hazardous Materials, 2008, 156, 604-611.	12.4	47
324	Stability and Removal of Water Soluble CdTe Quantum Dots in Water. Environmental Science & Technology, 2008, 42, 321-325.	10.0	102

#	ARTICLE	IF	CITATIONS
325	Arsenate Removal by Nanostructured ZrO <sub>2</sub> Spheres. Environmental Science & Technology, 2008, 42, 3786-3790.	10.0	123
326	Photocatalytic inactivation of Cryptosporidium parvum with TiO <sub>2</sub> and low-pressure ultraviolet irradiation. Water Research, 2008, 42, 1523-1530.	11.3	64
327	Stability of commercial metal oxide nanoparticles in water. Water Research, 2008, 42, 2204-2212.	11.3	519
328	Evaluating UV/H <sub>2</sub> O <sub>2</sub> processes for methyl tert-butyl ether and tertiary butyl alcohol removal: Effect of pretreatment options and light sources. Water Research, 2008, 42, 5045-5053.	11.3	49
329	Arsenate Removal by Iron (Hydr)Oxide Modified Granulated Activated Carbon: Modeling Arsenate Breakthrough with the Pore Surface Diffusion Model. Separation Science and Technology, 2008, 43, 3154-3167.	2.5	21
330	Treatability of Nanoparticles in Water. Proceedings of the Water Environment Federation, 2007, 2007, 7880-7883.	0.0	1
331	Trichloroethene Degradation by UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation Process: A Product Study and Kinetic Modeling. Environmental Science & Technology, 2007, 41, 1696-1703.	10.0	86
332	Viewpoint: Adding Sustainability to the Engineer's Toolbox: A Challenge for Engineering Educators. Environmental Science & Technology, 2007, 41, 4847-4849.	10.0	70
333	Development of a Framework for Quantifying the Environmental Impacts of Urban Development and Construction Practices. Environmental Science & Technology, 2007, 41, 5130-5136.	10.0	28
334	Enhanced Accumulation of Arsenate in Carp in the Presence of Titanium Dioxide Nanoparticles. Water, Air, and Soil Pollution, 2007, 178, 245-254.	2.4	132
335	Simulating the effect of light rail on urban growth in Phoenix: An application of the UrbanSim modeling environment. Journal of Urban Technology, 2006, 13, 91-111.	4.7	21
336	Preparation of a Novel TiO <sub>2</sub> -Based p-n Junction Nanotube Photocatalyst. Environmental Science & Technology, 2005, 39, 1201-1208.	10.0	283
337	Simulating the performance of fixed-bed granular activated carbon adsorbers: Removal of synthetic organic chemicals in the presence of background organic matter. Water Research, 2005, 39, 2407-2421.	11.3	59
338	UV Photolysis of Trichloroethylene: A Product Study and Kinetic Modeling. Environmental Science & Technology, 2004, 38, 6685-6693.	10.0	43
339	Sustainability Science and Engineering: The Emergence of a New Metadiscipline. Environmental Science & Technology, 2003, 37, 5314-5324.	10.0	355
340	Application of an Isothermal, Three-Phase Catalytic Reactor Model To Predict Unsteady-State Fixed-Bed Performance. Environmental Science & Technology, 2003, 37, 428-436.	10.0	4
341	APPLICATION OF A DYNAMIC BIOFILTRATION MODEL TO A TWO-STAGE BIOFILTER THAT TREATS HYDROGEN SULFIDE AND ORGANIC SULFUR COMPOUNDS. Proceedings of the Water Environment Federation, 2002, 2002, 251-266.	0.0	0
342	Optimization of Biofiltration for Odor Control: Model Calibration, Validation, and Applications. Water Environment Research, 2002, 74, 17-27.	2.7	36

#	ARTICLE	IF	CITATIONS
343	Optimization of Biofiltration for Odor Control: Model Development and Parameter Sensitivity. Water Environment Research, 2002, 74, 5-16.	2.7	19
344	Does Simplifying Transport and Exposure Yield Reliable Results? An Analysis of Four Risk Assessment Methods. Environmental Science & Technology, 2001, 35, 1282-1288.	10.0	8
345	Correlation of Aqueous-Phase Adsorption Isotherms. Environmental Science & Technology, 1999, 33, 2926-2933.	10.0	170
346	A kinetic model for H <sub>2</sub> O <sub>2</sub> /UV process in a completely mixed batch reactor. Water Research, 1999, 33, 2315-2328.	11.3	431
347	A model for predicting contaminant removal by adsorption within the International Space Station water processor: 1. Multicomponent equilibrium modeling. Water Environment Research, 1998, 70, 14-26.	2.7	3
348	Decontamination of water using adsorption and photocatalysis. Water Research, 1997, 31, 411-418.	11.3	70
349	Photocatalytic oxidation of chlorinated hydrocarbons in water. Water Research, 1997, 31, 429-438.	11.3	154
350	Solar detoxification of fuel-contaminated groundwater using fixed-bed photocatalysts. Water Environment Research, 1996, 68, 270-278.	2.7	85
351	Regeneration of spent adsorbents using homogeneous advanced oxidation. Water Environment Research, 1995, 67, 355-363.	2.7	29
352	Fixed-bed photocatalysts for solar decontamination of water. Environmental Science & Technology, 1994, 28, 435-442.	10.0	169
353	Removal of dissolved organic carbon using granular activated carbon. Water Research, 1993, 27, 715-721.	11.3	51
354	Heterogeneous photocatalytic oxidation of hazardous organic contaminants in water. Water Environment Research, 1993, 65, 665-673.	2.7	99
355	Predicting GAC Performance With Rapid Small-Scale Column Tests. Journal - American Water Works Association, 1991, 83, 77-87.	0.3	183
356	Modeling the movement of volatile organic chemicals in columns of unsaturated soil. Water Resources Research, 1990, 26, 1529-1547.	4.2	57
357	Using GAC to Remove VOCs From Air Stripper Off-Gas. Journal - American Water Works Association, 1988, 80, 73-84.	0.3	39
358	Design of Rapid Fixed-Bed Adsorption Tests for Nonconstant Diffusivities. Journal of Environmental Engineering, ASCE, 1987, 113, 243-259.	1.4	97
359	The influence of mass transfer on solute transport in column experiments with an aggregated soil. Journal of Contaminant Hydrology, 1987, 1, 375-393.	3.3	55
360	Correction. Prediction of Multicomponent Adsorption Equilibria Using Ideal Adsorbed Solution Theory. Environmental Science & Technology, 1986, 20, 840-840.	10.0	2

#	ARTICLE	IF	CITATIONS
361	Transport of Organic Compounds With Saturated Groundwater Flow: Model Development and Parameter Sensitivity. Water Resources Research, 1986, 22, 271-284.	4.2	228
362	Transport of Organic Compounds With Saturated Groundwater Flow: Experimental Results. Water Resources Research, 1986, 22, 285-295.	4.2	81
363	Prediction of multicomponent adsorption equilibria in background mixtures of unknown composition. Water Research, 1985, 19, 1537-1548.	11.3	80
364	Prediction of multicomponent adsorption equilibria using ideal adsorbed solution theory. Environmental Science & Technology, 1985, 19, 1037-1043.	10.0	193
365	Simplified Models for Design of Fixed-Bed Adsorption Systems. Journal of Environmental Engineering, ASCE, 1984, 110, 440-456.	1.4	93
366	User-Oriented Batch Reactor Solutions to the Homogeneous Surface Diffusion Model. Journal of Environmental Engineering, ASCE, 1983, 109, 82-101.	1.4	112
367	Predictive Model for Design of Fixed-Bed Adsorbers: Parameter Estimation and Model Development. American Society of Civil Engineers, Journal of the Environmental Engineering Division, 1978, 104, 185-197.	0.3	100
368	Predictive Model for Design of Fixed-Bed Adsorbers: Single-Component Model Verification. American Society of Civil Engineers, Journal of the Environmental Engineering Division, 1978, 104, 433-443.	0.3	74
369	Model for Design of Multicomponent Adsorption Systems. American Society of Civil Engineers, Journal of the Environmental Engineering Division, 1978, 104, 1175-1195.	0.3	42
370	Surface chemistry of active carbon: Specific adsorption of phenols. Journal of Colloid and Interface Science, 1969, 31, 116-130.	9.4	420
371	Determination of <sup>16</sup> O in Microcrystalline Carbon by Indirect Neutron Activation Analysis. Nuclear Applications and Technology, 1969, 7, 383-384.	0.3	3
372	Properties of Commercial Nanoparticles that Affect Their Removal During Water Treatment. , 0, , 69-90.		7