

John C Crittenden

List of Publications by Year in descending order

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372
papers

24,334
citations

5430

85
h-index

15253

130
g-index

375
all docs

375
docs citations

375
times ranked

24682
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of phthalate acid esters using hydrogen peroxide and polyoxometalate/graphene hybrids. <i>Journal of Hazardous Materials</i> , 2022, 422, 126867.	6.5	7
2	Insights into deep decline of As(III) leachability induced by As(III) partial oxidation during lime stabilization of As-Ca sludge. <i>Journal of Hazardous Materials</i> , 2022, 424, 127575.	6.5	6
3	Technology status and trends of industrial wastewater treatment: A patent analysis. <i>Chemosphere</i> , 2022, 288, 132483.	4.2	57
4	Synergistic effect of floatable hydroxyapatite-modified biochar adsorption and low-level CaCl ₂ leaching on Cd removal from paddy soil. <i>Science of the Total Environment</i> , 2022, 807, 150872.	3.9	18
5	Precise regulation of acid pretreatment for red mud SCR catalyst: Targeting on optimizing the acidity and reducibility. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	12
6	Facilitating Redox Cycles of Copper Species by Pollutants in Peroxymonosulfate Activation. <i>Environmental Science & Technology</i> , 2022, 56, 2637-2646.	4.6	67
7	Electrochemical flow-through disinfection reduces antibiotic resistance genes and horizontal transfer risk across bacterial species. <i>Water Research</i> , 2022, 212, 118090.	5.3	36
8	Promoting effect of Co-doped CeO ₂ nanorods activity and SO ₂ resistance for Hg ⁰ removal. <i>Fuel</i> , 2022, 317, 123320.	3.4	26
9	Superselective Hg(II) Removal from Water Using a Thiol-Laced MOF-Based Sponge Monolith: Performance and Mechanism. <i>Environmental Science & Technology</i> , 2022, 56, 2677-2688.	4.6	62
10	Simultaneous Nitrite Resourcing and Mercury Ion Removal Using MXene-Anchored Goethite Heterogeneous Fenton Composite. <i>Environmental Science & Technology</i> , 2022, 56, 4542-4552.	4.6	19
11	Emerging Challenges and Opportunities for Electrified Membranes to Enhance Water Treatment. <i>Environmental Science & Technology</i> , 2022, 56, 3832-3835.	4.6	16
12	Double-Network Hydrogel: A Potential Practical Adsorbent for Critical Metals Extraction and Recovery from Water. <i>Environmental Science & Technology</i> , 2022, 56, 4715-4717.	4.6	12
13	Electrocatalytic nitrate reduction to ammonia on defective Au ₁ Cu (111) single-atom alloys. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121346.	10.8	113
14	Principal component analysis and response surface methodology: optimization for H ₂ evolution from water catalyzed adopting V-Bi under visible light. <i>Materials Today Chemistry</i> , 2022, 25, 100920.	1.7	1
15	MXene Composite Membranes with Enhanced Ion Transport and Regulated Ion Selectivity. <i>Environmental Science & Technology</i> , 2022, 56, 8964-8974.	4.6	18
16	Shale gas wastewater characterization: Comprehensive detection, evaluation of valuable metals, and environmental risks of heavy metals and radionuclides. <i>Water Research</i> , 2022, 220, 118703.	5.3	12
17	Radix Astragali residue-derived porous amino-laced double-network hydrogel for efficient Pb(II) removal: Performance and modeling. <i>Journal of Hazardous Materials</i> , 2022, 438, 129418.	6.5	14
18	Theoretical evaluation of the evaporation rate of 2D solar-driven interfacial evaporation and of its large-scale application potential. <i>Desalination</i> , 2022, 537, 115891.	4.0	9

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19	Acid-pretreated red mud for selective catalytic reduction of NO with NH ₃ : Insights into inhibition mechanism of binders. <i>Catalysis Today</i> , 2021, 376, 247-254.	2.2	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.	2.7	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.	5.3	23
22	Effective degradation of aqueous carbamazepine on a novel blue-colored TiO ₂ nanotube arrays membrane filter anode. <i>Journal of Hazardous Materials</i> , 2021, 402, 123530.	6.5	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.	3.2	81
24	Remediation of nitrate contamination by membrane hydrogenotrophic denitrifying biofilm integrated in microbial electrolysis cell. <i>Water Research</i> , 2021, 188, 116498.	5.3	82
25	Integration of a Photo-Fenton Reaction and a Membrane Filtration using CS/PAN@FeOOH/g-C ₃ N ₄ Electrospun Nanofibers: Synthesis, Characterization, Self-cleaning Performance and Mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119519.	10.8	99
26	A bibliometric analysis of industrial wastewater treatments from 1998 to 2019. <i>Environmental Pollution</i> , 2021, 275, 115785.	3.7	84
27	A Critical Review of Membrane Wettability in Membrane Distillation from the Perspective of Interfacial Interactions. <i>Environmental Science & Technology</i> , 2021, 55, 1395-1418.	4.6	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.	4.6	6
29	Sacrificial carbon strategy for facile fabrication of highly-dispersed cobalt-silicon nanocomposites: Insight into its performance on the CO and CH ₄ oxidation. <i>Journal of Cleaner Production</i> , 2021, 278, 123920.	4.6	6
30	Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 50-75.	3.2	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.	6.5	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.	6.6	37
33	Understanding the nature of NH ₃ -coordinated active sites and the complete reaction schemes for NH ₃ -SCR using Cu-SAPO-34 catalysts. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4700-4710.	1.3	8
34	Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Synthesis and Microstructure Impacts. <i>ACS ES&T Engineering</i> , 2021, 1, 623-661.	3.7	61
35	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. <i>Environmental Science & Technology</i> , 2021, 55, 2743-2766.	4.6	117
36	Computerized Pathway Generator for the UV/Free Chlorine Process: Prediction of Byproducts and Reactions. <i>Environmental Science & Technology</i> , 2021, 55, 2608-2617.	4.6	8

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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.	5.1	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 & Technology</i> , 2021, 55, 4287-4304.	4.6	106
39	Tannic acid-metal complex modified MXene membrane for contaminants removal from water. <i>Journal of Membrane Science</i> , 2021, 622, 119042.	4.1	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.	3.7	3
41	Forward Solute Transport in Forward Osmosis Using a Freestanding Graphene Oxide Membrane. <i>Environmental Science & Technology</i> , 2021, 55, 6290-6298.	4.6	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.	4.6	6
43	Nanofluidic Membranes to Address the Challenges of Salinity Gradient Power Harvesting. <i>ACS Nano</i> , 2021, 15, 5838-5860.	7.3	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.	3.2	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.	3.7	24
46	Enhanced photocatalytic H ₂ evolution over In ₂ S ₃ via decoration with GO and Fe ₂ P co-catalysts. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18376-18390.	3.8	21
47	Research progress on the impact of flood discharge atomization on the ecological environment. <i>Natural Hazards</i> , 2021, 108, 1415-1426.	1.6	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.	4.1	21
49	Organics removal from shale gas wastewater by pre-oxidation combined with biologically active filtration. <i>Water Research</i> , 2021, 196, 117041.	5.3	51
50	Influence of the Exclusion-Enrichment Effect on Ion Transport in Two-Dimensional Molybdenum Disulfide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26904-26914.	4.0	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 & Interfaces</i> , 2021, 13, 27106-27118.	4.0	30
52	Accelerating Fe(II)/Fe(III) cycle via Fe(III) substitution for enhancing Fenton-like performance of Fe-MOFs. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119859.	10.8	138
53	Degradation of Trimethoprim Using the UV/Free Chlorine Process: Influencing Factors and Optimal Operating Conditions. <i>Water (Switzerland)</i> , 2021, 13, 1656.	1.2	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.	5.0	26

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55	Rice husk-derived biochar can aggravate arsenic mobility in ferrous-rich groundwater during oxygenation. <i>Water Research</i> , 2021, 200, 117264.	5.3	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.	3.9	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 & Technology</i> , 2021, 55, 10645-10653.	4.6	5
58	Cation-induced surface cleavage of organic pollutants with $\cdot\text{OH}$ formation from H_2O for water treatment. <i>IScience</i> , 2021, 24, 102874.	1.9	20
59	Recovery of Critical Metals from Aqueous Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11616-11634.	3.2	43
60	Accelerating Fe^{III} -Aqua Complex Reduction in an Efficient Solid-Liquid-Interfacial Fenton Reaction over the Mn^{II} -CNH Co-catalyst at Near-Neutral pH. <i>Environmental Science & Technology</i> , 2021, 55, 13326-13334.	4.6	12
61	A novel lanthanum-modified copper tailings adsorbent for phosphate removal from water. <i>Chemosphere</i> , 2021, 281, 130779.	4.2	20
62	Ferric ion promoted degradation of acetaminophen with zero-valent copper activated peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2021, 426, 131679.	6.6	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.	3.9	14
64	Key intermediates from simultaneous removal of 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.	2.1	9
65	Insight into the promotion mechanism of activated carbon on the monolithic honeycomb red mud catalyst for selective catalytic reduction of NO_x . <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	14
66	High Concentration Organic Wastewater with High Phosphorus Treatment by Facultative MBR. <i>Water (Switzerland)</i> , 2021, 13, 2902.	1.2	1
67	Rapid determination of monopersulfate with bromide ion-catalyzed oxidation of 2,		

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73	Degradation kinetics of target compounds and correlations with spectral indices during UV/H ₂ O ₂ post-treatment of biologically treated acrylonitrile wastewater. <i>Chemosphere</i> , 2020, 243, 125384.	4.2	12
74	Thermolytic osmotic heat engine for low-grade heat harvesting: Thermodynamic investigation and potential application exploration. <i>Applied Energy</i> , 2020, 259, 114192.	5.1	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.	6.6	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.	4.6	33
77	Removal of gaseous elemental mercury using thermally catalytic chlorite-persulfate complex. <i>Chemical Engineering Journal</i> , 2020, 391, 123508.	6.6	27
78	Efficient sulfadiazine degradation via in-situ epitaxial grow of Graphitic Carbon Nitride (g-C ₃ N ₄) 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.	5.0	79
79	Irregular influence of alkali metals on Cu-SAPO-34 catalyst for selective catalytic reduction of NO _x with ammonia. <i>Journal of Hazardous Materials</i> , 2020, 387, 122007.	6.5	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.	4.2	25
81	Highly Efficient and Selective Hg(II) Removal from Water Using Multilayered Ti ₃ C ₂ O _x MXene via Adsorption Coupled with Catalytic Reduction Mechanism. <i>Environmental Science & Technology</i> , 2020, 54, 16212-16220.	4.6	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 & Technology</i> , 2020, 54, 10926-10935.	4.6	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.	3.2	40
84	Why Was My Paper Rejected without Review?. <i>Environmental Science & Technology</i> , 2020, 54, 11641-11644.	4.6	10
85	Development of a highly efficient electrochemical flow-through anode based on inner in-site enhanced TiO ₂ -nanotubes array. <i>Environment International</i> , 2020, 140, 105813.	4.8	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.	3.9	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.	6.5	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.	2.2	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.	6.6	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.	6.5	51

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91	The mechanism of microwave-induced mineral transformation and stabilization of arsenic in realgar tailings using ferrous sulfate. <i>Chemical Engineering Journal</i> , 2020, 393, 124732.	6.6	17
92	Contrasting abiotic As(III) immobilization by undissolved and dissolved fractions of biochar in Ca ²⁺ -rich groundwater under anoxic conditions. <i>Water Research</i> , 2020, 183, 116106.	5.3	42
93	Simultaneous sulfamethazine oxidation and bromate reduction by Pd-mediated Z-scheme Bi ₂ MoO ₆ /g-C ₃ N ₄ photocatalysts: Synergetic mechanism and degradative pathway. <i>Chemical Engineering Journal</i> , 2020, 401, 126061.	6.6	34
94	Thermodynamic analysis of a solar thermal facilitated membrane seawater desalination process. <i>Journal of Cleaner Production</i> , 2020, 256, 120398.	4.6	20
95	Degradation of thiacloprid via unactivated peroxymonosulfate: The overlooked singlet oxygen oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124264.	6.6	100
96	Photocatalytic water splitting of ternary graphene-like photocatalyst for the photocatalytic hydrogen production. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	21
97	Biomass combustion: Environmental impact of various precombustion processes. <i>Journal of Cleaner Production</i> , 2020, 261, 121217.	4.6	22
98	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mn ²⁺ /Ce Hollow Structure. <i>ChemCatChem</i> , 2020, 12, 2872-2879.	1.8	27
99	Insights into modified red mud for the selective catalytic reduction of NO _x : Activation mechanism of targeted leaching. <i>Journal of Hazardous Materials</i> , 2020, 394, 122536.	6.5	30
100	Study on the Transport Mechanism of a Freestanding Graphene Oxide Membrane for Forward Osmosis. <i>Environmental Science & Technology</i> , 2020, 54, 5802-5812.	4.6	19
101	NH ₃ -SCR performance of WO ₃ blanketed CeO ₂ with different morphology: Balance of surface reducibility and acidity. <i>Catalysis Today</i> , 2019, 332, 42-48.	2.2	79
102	Distribution characteristics and pollution risk evaluation of the nitrogen and phosphorus species in the sediments of Lake Erhai, Southwest China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22295-22304.	2.7	26
103	The synergistic mechanism of NO _x and chlorobenzene degradation in municipal solid waste incinerators. <i>Catalysis Science and Technology</i> , 2019, 9, 4286-4292.	2.1	39
104	Can virtual water trade save water resources?. <i>Water Research</i> , 2019, 163, 114848.	5.3	59
105	Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox. <i>Environmental Science & Technology</i> , 2019, 53, 9341-9351.	4.6	17
106	Fabrication of the flower-flake-like CuBi ₂ O ₄ /Bi ₂ WO ₆ heterostructure as efficient visible-light driven photocatalysts: Performance, kinetics and mechanism insight. <i>Applied Surface Science</i> , 2019, 495, 143521.	3.1	99
107	A Critical Review on Energy Conversion and Environmental Remediation of Photocatalysts with Remodeling Crystal Lattice, Surface, and Interface. <i>ACS Nano</i> , 2019, 13, 9811-9840.	7.3	331
108	pH Dependence of Arsenic Oxidation by Rice-Husk-Derived Biochar: Roles of Redox-Active Moieties. <i>Environmental Science & Technology</i> , 2019, 53, 9034-9044.	4.6	175

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109	Simultaneous Removal of SO ₂ and NO Using a Novel Method of Ultraviolet Irradiating Chlorite-Ammonia Complex. <i>Environmental Science & Technology</i> , 2019, 53, 9014-9023.	4.6	49
110	Development of a Three-Dimensional Electrochemical System Using a Blue TiO ₂ /SnO ₂ -Sb ₂ O ₃ Anode for Treating Low-Ionic-Strength Wastewater. <i>Environmental Science & Technology</i> , 2019, 53, 13784-13793.	4.6	45
111	Resource Recovery and Reuse for Hydraulic Fracturing Wastewater in Unconventional Shale Gas and Oil Extraction. <i>Environmental Science & Technology</i> , 2019, 53, 13547-13548.	4.6	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.	2.4	36
113	Nanomaterial Adsorbent Design: From Bench Scale Tests to Engineering Design. <i>Environmental Science & Technology</i> , 2019, 53, 10537-10538.	4.6	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 & Technology</i> , 2019, 53, 11932-11940.	4.6	67
115	Phase-Mediated Heavy Metal Adsorption from Aqueous Solutions Using Two-Dimensional Layered MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38789-38797.	4.0	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.	5.2	67
117	Tuning Pb(II) Adsorption from Aqueous Solutions on Ultrathin Iron Oxychloride (FeOCl) Nanosheets. <i>Environmental Science & Technology</i> , 2019, 53, 2075-2085.	4.6	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.	2.7	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.	4.8	32
120	Electrochemical degradation of methylisothiazolinone by using Ti/SnO ₂ -Sb ₂ O ₃ /±, ±-PbO ₂ electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 374, 626-636.	6.6	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.	3.8	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.	1.6	24
123	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. <i>Environmental Science & Technology</i> , 2019, 53, 6937-6944.	4.6	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 ₂ O ₂ and UV/PDS in different water matrices. <i>Water Research</i> , 2019, 159, 102-110.	5.3	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 & Engineering Chemistry Research</i> , 2019, 58, 6413-6423.	1.8	65

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127	Enhanced photocatalytic ozonation of organic pollutants using an iron-based metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 66-75.	10.8	154
128	Dietary Uptake Patterns Affect Bioaccumulation and Biomagnification of Hydrophobic Organic Compounds in Fish. <i>Environmental Science & Technology</i> , 2019, 53, 4274-4284.	4.6	40
129	Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. <i>Environmental Science & Technology</i> , 2019, 53, 4335-4345.	4.6	70
130	Sea-urchin-structure g-C ₃ N ₄ with narrow bandgap (E _g = 2.0 eV) for efficient overall water splitting under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 275-281.	10.8	110
131	Evaluation of eutrophication in freshwater lakes: A new non-equilibrium statistical approach. <i>Ecological Indicators</i> , 2019, 102, 686-692.	2.6	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.	3.9	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.	1.5	0
134	Cd complexation with mercapto-functionalized attapulgite (MATP): Adsorption and DFT study. <i>Chemical Engineering Journal</i> , 2019, 366, 569-576.	6.6	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.	6.6	124
136	Electrochemical Pretreatment for Sludge Sulfide Control without Chemical Dosing: A Mechanistic Study. <i>Environmental Science & Technology</i> , 2019, 53, 14559-14567.	4.6	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.	1.6	20
138	In situ growth of Ag-SnO ₂ 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.	5.0	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.	5.3	61
140	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science & Technology</i> , 2019, 53, 2937-2947.	4.6	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.	4.0	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.	6.5	61
143	Electrochemical oxidation and advanced oxidation processes using a 3D hexagonal Co ₃ O ₄ array anode for 4-nitrophenol decomposition coupled with simultaneous CO ₂ conversion to liquid fuels via a flower-like CuO cathode. <i>Water Research</i> , 2019, 150, 330-339.	5.3	147
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154	Efficient heavy metal removal from industrial melting effluent using fixed-bed process based on porous hydrogel adsorbents. <i>Water Research</i> , 2018, 131, 246-254.	5.3	291
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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.	1.6	61
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#	ARTICLE	IF	CITATIONS
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