

John C Crittenden

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/6725548/publications.pdf](https://exaly.com/author-pdf/6725548/publications.pdf)

Version: 2024-02-01

391
papers

26,231
citations

4611

87
h-index

12194

135
g-index

400
all docs

400
docs citations

400
times ranked

26709
citing authors

#	ARTICLE	IF	CITATIONS
1	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science & Technology</i> , 2019, 53, 2937-2947.	10.5	547
2	Stability of commercial metal oxide nanoparticles in water. <i>Water Research</i> , 2008, 42, 2204-2212.	11.4	534
3	Impact of natural organic matter and divalent cations on the stability of aqueous nanoparticles. <i>Water Research</i> , 2009, 43, 4249-4257.	11.4	516
4	A kinetic model for H ₂ O ₂ /UV process in a completely mixed batch reactor. <i>Water Research</i> , 1999, 33, 2315-2328.	11.4	448
5	Surface chemistry of active carbon: Specific adsorption of phenols. <i>Journal of Colloid and Interface Science</i> , 1969, 31, 116-130.	9.6	430
6	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.	15.3	365
7	Sustainability Science and Engineering: The Emergence of a New Metadiscipline. <i>Environmental Science & Technology</i> , 2003, 37, 5314-5324.	10.5	360
8	Perfluorooctanoic Acid Degradation Using UV-Persulfate Process: Modeling of the Degradation and Chlorate Formation. <i>Environmental Science & Technology</i> , 2016, 50, 772-781.	10.5	307
9	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.	11.4	306
10	Experimental and modeling investigations of ball-milled biochar for the removal of aqueous methylene blue. <i>Chemical Engineering Journal</i> , 2018, 335, 110-119.	13.0	289
11	Preparation of a Novel TiO ₂ -Based p-n Junction Nanotube Photocatalyst. <i>Environmental Science & Technology</i> , 2005, 39, 1201-1208.	10.5	286
12	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.	8.3	257
13	Removal of Antimonite (Sb(III)) and Antimonate (Sb(V)) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide (ZrO ₂). <i>Environmental Science & Technology</i> , 2015, 49, 11115-11124.	10.5	245
14	Structural Changes of ³ Al ₂ O ₃ -Supported Catalysts in Hot Liquid Water. <i>ACS Catalysis</i> , 2011, 1, 552-561.	11.7	239
15	Transport of Organic Compounds With Saturated Groundwater Flow: Model Development and Parameter Sensitivity. <i>Water Resources Research</i> , 1986, 22, 271-284.	4.2	229
16	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.	14.8	228
17	Development of a Group Contribution Method To Predict Aqueous Phase Hydroxyl Radical (HO•) Reaction Rate Constants. <i>Environmental Science & Technology</i> , 2009, 43, 6220-6227.	10.5	221
18	Electrochemical oxidation of ofloxacin using a TiO ₂ -based SnO ₂ -Sb/polytetrafluoroethylene resin-PbO ₂ electrode: Reaction kinetics and mass transfer impact. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 515-525.	20.7	217

#	ARTICLE	IF	CITATIONS
19	Reinventing Fenton Chemistry: Iron Oxide Nanosheet for pH-Insensitive H ₂ O ₂ Activation. <i>Environmental Science and Technology Letters</i> , 2018, 5, 186-191.	8.8	216
20	Ball-Milled Carbon Nanomaterials for Energy and Environmental Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9568-9585.	6.9	204
21	pH Dependence of Arsenic Oxidation by Rice-Husk-Derived Biochar: Roles of Redox-Active Moieties. <i>Environmental Science & Technology</i> , 2019, 53, 9034-9044.	10.5	202
22	Impact of Chloride Ions on UV/H ₂ O ₂ and UV/Persulfate Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2018, 52, 7380-7389.	10.5	201
23	Oxidation of organics in retentates from reverse osmosis wastewater reuse facilities. <i>Water Research</i> , 2009, 43, 3992-3998.	11.4	200
24	Prediction of multicomponent adsorption equilibria using ideal adsorbed solution theory. <i>Environmental Science & Technology</i> , 1985, 19, 1037-1043.	10.5	197
25	Photocatalytic wastewater purification with simultaneous hydrogen production using MoS ₂ QD-decorated hierarchical assembly of ZnIn ₂ S ₄ on reduced graphene oxide photocatalyst. <i>Water Research</i> , 2017, 121, 11-19.	11.4	189
26	Predicting GAC Performance With Rapid Small-Scale Column Tests. <i>Journal - American Water Works Association</i> , 1991, 83, 77-87.	0.4	188
27	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.	20.7	186
28	Urban expansion simulation and the spatio-temporal changes of ecosystem services, a case study in Atlanta Metropolitan area, USA. <i>Science of the Total Environment</i> , 2018, 622-623, 974-987.	8.2	185
29	Toxicity and cellular responses of intestinal cells exposed to titanium dioxide. <i>Cell Biology and Toxicology</i> , 2010, 26, 225-238.	5.7	182
30	Mechanistic insights into adsorption and reduction of hexavalent chromium from water using magnetic biochar composite: Key roles of Fe ₃ O ₄ and persistent free radicals. <i>Environmental Pollution</i> , 2018, 243, 1302-1309.	7.7	172
31	Correlation of Aqueous-Phase Adsorption Isotherms. <i>Environmental Science & Technology</i> , 1999, 33, 2926-2933.	10.5	171
32	Fixed-bed photocatalysts for solar decontamination of water. <i>Environmental Science & Technology</i> , 1994, 28, 435-442.	10.5	170
33	Enhanced photocatalytic ozonation of organic pollutants using an iron-based metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 66-75.	20.7	170
34	Electrocatalytic nitrate reduction to ammonia on defective Au ₁ Cu (111) single-atom alloys. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121346.	20.7	162
35	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.	20.7	161
36	Photocatalytic oxidation of chlorinated hydrocarbons in water. <i>Water Research</i> , 1997, 31, 429-438.	11.4	155

#	ARTICLE	IF	CITATIONS
37	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.	11.4	153
38	Low-cost antifouling PVC ultrafiltration membrane fabrication with Pluronic F 127: Effect of additives on properties and performance. <i>Desalination</i> , 2012, 307, 26-33.	8.3	146
39	Electrochemical degradation of methylisothiazolinone by using Ti/SnO ₂ -Sb ₂ O ₃ /F±, F±-PbO ₂ electrode: Kinetics, energy efficiency, oxidation mechanism and degradation pathway. <i>Chemical Engineering Journal</i> , 2019, 374, 626-636.	13.0	146
40	CO ₂ emissions embodied in China's exports from 2002 to 2008: A structural decomposition analysis. <i>Energy Policy</i> , 2011, 39, 7381-7388.	8.8	142
41	Recovery of Lithium from Wastewater Using Development of Li Ion-Imprinted Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 460-467.	6.9	140
42	Groundwater remediation from the past to the future: A bibliometric analysis. <i>Water Research</i> , 2017, 119, 114-125.	11.4	140
43	Multipollutant Control (MPC) of Flue Gas from Stationary Sources Using SCR Technology: A Critical Review. <i>Environmental Science & Technology</i> , 2021, 55, 2743-2766.	10.5	139
44	3D hierarchical porous-structured biochar aerogel for rapid and efficient phenicol antibiotics removal from water. <i>Chemical Engineering Journal</i> , 2019, 368, 639-648.	13.0	134
45	A Critical Review of Membrane Wettability in Membrane Distillation from the Perspective of Interfacial Interactions. <i>Environmental Science & Technology</i> , 2021, 55, 1395-1418.	10.5	133
46	Enhanced Accumulation of Arsenate in Carp in the Presence of Titanium Dioxide Nanoparticles. <i>Water, Air, and Soil Pollution</i> , 2007, 178, 245-254.	2.5	132
47	Tuning Pb(II) Adsorption from Aqueous Solutions on Ultrathin Iron Oxychloride (FeOCl) Nanosheets. <i>Environmental Science & Technology</i> , 2019, 53, 2075-2085.	10.5	130
48	Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 50-75.	6.9	126
49	Arsenate Removal by Nanostructured ZrO ₂ Spheres. <i>Environmental Science & Technology</i> , 2008, 42, 3786-3790.	10.5	125
50	Surface modification of UF membranes with functionalized MWCNTs to control membrane fouling by NOM fractions. <i>Journal of Membrane Science</i> , 2015, 492, 400-411.	8.3	125
51	Comparison of MoO ₃ and WO ₃ on arsenic poisoning V ₂ O ₅ /TiO ₂ catalyst: DRIFTS and DFT study. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 692-698.	20.7	124
52	Fouling characteristics of reverse osmosis membranes at different positions of a full-scale plant for municipal wastewater reclamation. <i>Water Research</i> , 2016, 90, 329-336.	11.4	123
53	Attachment Efficiency of Nanoparticle Aggregation in Aqueous Dispersions: Modeling and Experimental Validation. <i>Environmental Science & Technology</i> , 2012, 46, 7054-7062.	10.5	121
54	Oxidation of Microcystin-LR via Activation of Peroxymonosulfate Using Ascorbic Acid: Kinetic Modeling and Toxicity Assessment. <i>Environmental Science & Technology</i> , 2018, 52, 4305-4312.	10.5	121

#	ARTICLE	IF	CITATIONS
55	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.	10.5	119
56	Sea-urchin-structure g-C ₃ N ₄ with narrow bandgap (E _g 2.0eV) for efficient overall water splitting under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 275-281.	20.7	117
57	Photocatalytic degradation of 2,4-dichlorophenol using nanoscale Fe/TiO ₂ . <i>Chemical Engineering Journal</i> , 2012, 181-182, 189-195.	13.0	116
58	Surface Tuning of La _{0.5} Sr _{0.5} CoO ₃ Perovskite Catalysts by Acetic Acid for NO _x Storage and Reduction. <i>Environmental Science & Technology</i> , 2016, 50, 6442-6448.	10.5	115
59	User-Oriented Batch Reactor Solutions to the Homogeneous Surface Diffusion Model. <i>Journal of Environmental Engineering, ASCE</i> , 1983, 109, 82-101.	1.3	113
60	Kinetics and Modeling of Degradation of Ionophore Antibiotics by UV and UV/H ₂ O ₂ . <i>Environmental Science & Technology</i> , 2013, 47, 4581-4589.	10.5	113
61	Facile synthesis of AgI/BiOI-Bi ₂ O ₃ multi-heterojunctions with high visible light activity for Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2016, 317, 8-16.	12.6	113
62	Arsenic adsorption on MnO ₂ nanofibers and the significance of (1 0 0) facet as compared with (1 1 0). <i>Chemical Engineering Journal</i> , 2018, 331, 492-500.	13.0	113
63	Nanofluidic Membranes to Address the Challenges of Salinity Gradient Power Harvesting. <i>ACS Nano</i> , 2021, 15, 5838-5860.	15.3	113
64	Investigation of the Poisoning Mechanism of Lead on the CeO ₂ -WO ₃ Catalyst for the NH ₃ -SCR Reaction via in Situ IR and Raman Spectroscopy Measurement. <i>Environmental Science & Technology</i> , 2016, 50, 9576-9582.	10.5	111
65	Responses of the Microalga <i>Chlorophyta</i> sp. to Bacterial Quorum Sensing Molecules (N-Acylhomoserine Lactones): Aromatic Protein-Induced Self-Aggregation. <i>Environmental Science & Technology</i> , 2017, 51, 3490-3498.	10.5	111
66	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.	10.5	111
67	Unique applications and improvements of reverse electrodialysis: A review and outlook. <i>Applied Energy</i> , 2020, 262, 114482.	10.3	111
68	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.	20.7	111
69	Capturing Lithium from Wastewater Using a Fixed Bed Packed with 3-D MnO ₂ Ion Cages. <i>Environmental Science & Technology</i> , 2016, 50, 13002-13012.	10.5	110
70	Degradation of thiacloprid via unactivated peroxymonosulfate: The overlooked singlet oxygen oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124264.	13.0	110
71	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.	6.3	109
72	The role of reactive oxygen species and carbonate radical in oxcarbazepine degradation via UV, UV/H ₂ O ₂ : Kinetics, mechanisms and toxicity evaluation. <i>Water Research</i> , 2018, 147, 204-213.	11.4	108

#	ARTICLE	IF	CITATIONS
73	Chemical poison and regeneration of SCR catalysts for NO _x removal from stationary sources. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 413-427.	6.1	106
74	Efficient degradation of lomefloxacin by Co-Cu-LDH activating peroxymonosulfate process: Optimization, dynamics, degradation pathway and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 399, 122966.	12.6	105
75	Degradation of dyes by peroxymonosulfate activated by ternary CoFeNi-layered double hydroxide: Catalytic performance, mechanism and kinetic modeling. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 92-100.	9.6	104
76	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.	20.7	103
77	Predictive Model for Design of Fixed-Bed Adsorbers: Parameter Estimation and Model Development. <i>American Society of Civil Engineers, Journal of the Environmental Engineering Division</i> , 1978, 104, 185-197.	0.4	103
78	Stability and Removal of Water Soluble CdTe Quantum Dots in Water. <i>Environmental Science & Technology</i> , 2008, 42, 321-325.	10.5	102
79	A bibliometric analysis of industrial wastewater treatments from 1998 to 2019. <i>Environmental Pollution</i> , 2021, 275, 115785.	7.7	102
80	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.	10.5	101
81	Heterogeneous photocatalytic oxidation of hazardous organic contaminants in water. <i>Water Environment Research</i> , 1993, 65, 665-673.	2.7	100
82	Design of Rapid Fixed-Bed Adsorption Tests for Nonconstant Diffusivities. <i>Journal of Environmental Engineering, ASCE</i> , 1987, 113, 243-259.	1.3	97
83	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.	6.4	97
84	Simplified Models for Design of Fixed-Bed Adsorption Systems. <i>Journal of Environmental Engineering, ASCE</i> , 1984, 110, 440-456.	1.3	94
85	Remediation of Petroleum-Contaminated Soil and Simultaneous Recovery of Oil by Fast Pyrolysis. <i>Environmental Science & Technology</i> , 2018, 52, 5330-5338.	10.5	94
86	Impacts of Pb and SO ₂ Poisoning on CeO ₂ –WO ₃ /TiO ₂ –SiO ₂ SCR Catalyst. <i>Environmental Science & Technology</i> , 2017, 51, 11943-11949.	10.5	93
87	Highly enhanced photocatalytic reduction of Cr(VI) on AgI/TiO ₂ under visible light irradiation: Influence of calcination temperature. <i>Journal of Hazardous Materials</i> , 2016, 307, 213-220.	12.6	92
88	Distribution and source of microplastics in China's second largest reservoir - Danjiangkou Reservoir. <i>Journal of Environmental Sciences</i> , 2021, 102, 74-84.	6.3	92
89	Remediation of nitrate contamination by membrane hydrogenotrophic denitrifying biofilm integrated in microbial electrolysis cell. <i>Water Research</i> , 2021, 188, 116498.	11.4	92
90	Antimony Removal from Aqueous Solution Using Novel γ -MnO ₂ Nanofibers: Equilibrium, Kinetic, and Density Functional Theory Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2255-2264.	6.9	90

#	ARTICLE	IF	CITATIONS
91	Trichloroethene Degradation by UV/H ₂ O ₂ Advanced Oxidation Process: A Product Study and Kinetic Modeling. <i>Environmental Science & Technology</i> , 2007, 41, 1696-1703.	10.5	89
92	Stability of Pt/ γ -Al ₂ O ₃ Catalysts in Model Biomass Solutions. <i>Topics in Catalysis</i> , 2012, 55, 162-174.	3.0	89
93	High performance ultrafiltration membrane composed of PVDF blended with its derivative copolymer PVDF-g-PEGMA. <i>Journal of Membrane Science</i> , 2013, 445, 66-75.	8.3	89
94	Solar detoxification of fuel-contaminated groundwater using fixed-bed photocatalysts. <i>Water Environment Research</i> , 1996, 68, 270-278.	2.7	87
95	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.	9.6	87
96	Zirconia (ZrO ₂) Embedded in Carbon Nanowires via Electrospinning for Efficient Arsenic Removal from Water Combined with DFT Studies. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18912-18921.	8.3	86
97	Deactivation Mechanism of Multipoisons in Cement Furnace Flue Gas on Selective Catalytic Reduction Catalysts. <i>Environmental Science & Technology</i> , 2019, 53, 6937-6944.	10.5	86
98	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.	4.9	85
99	Phase-Mediated Heavy Metal Adsorption from Aqueous Solutions Using Two-Dimensional Layered MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38789-38797.	8.3	85
100	Facilitating Redox Cycles of Copper Species by Pollutants in Peroxymonosulfate Activation. <i>Environmental Science & Technology</i> , 2022, 56, 2637-2646.	10.5	85
101	Infrastructure ecology: an evolving paradigm for sustainable urban development. <i>Journal of Cleaner Production</i> , 2017, 163, S19-S27.	9.5	84
102	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.	11.4	84
103	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.	10.5	84
104	Cu ₂ O nanocrystals/TiO ₂ microspheres film on a rotating disk containing long-afterglow phosphor for enhanced round-the-clock photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 239-248.	20.7	83
105	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.	10.5	83
106	Transport of Organic Compounds With Saturated Groundwater Flow: Experimental Results. <i>Water Resources Research</i> , 1986, 22, 285-295.	4.2	81
107	Prediction of multicomponent adsorption equilibria in background mixtures of unknown composition. <i>Water Research</i> , 1985, 19, 1537-1548.	11.4	80
108	Effects of Chloride Ions on Dissolution, ROS Generation, and Toxicity of Silver Nanoparticles under UV Irradiation. <i>Environmental Science & Technology</i> , 2018, 52, 4842-4849.	10.5	80

#	ARTICLE	IF	CITATIONS
109	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.	4.2	80
110	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.	10.5	79
111	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.	7.9	78
112	Decolorization of industrial wastewater by ozonation followed by adsorption on activated carbon. <i>Journal of Hazardous Materials</i> , 2010, 176, 181-185.	12.6	77
113	Synergistic activation of peroxymonosulfate and persulfate by ferrous ion and molybdenum disulfide for pollutant degradation: Theoretical and experimental studies. <i>Chemosphere</i> , 2020, 240, 124979.	8.4	77
114	Preparing future engineers for challenges of the 21st century: Sustainable engineering. <i>Journal of Cleaner Production</i> , 2010, 18, 698-701.	9.5	75
115	Predictive Model for Design of Fixed-Bed Adsorbers: Single-Component Model Verification. <i>American Society of Civil Engineers, Journal of the Environmental Engineering Division</i> , 1978, 104, 433-443.	0.4	75
116	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.	9.5	73
117	Oxidation Mechanisms of the UV/Free Chlorine Process: Kinetic Modeling and Quantitative Structure Activity Relationships. <i>Environmental Science & Technology</i> , 2019, 53, 4335-4345.	10.5	73
118	Decontamination of water using adsorption and photocatalysis. <i>Water Research</i> , 1997, 31, 411-418.	11.4	71
119	Viewpoint: Adding Sustainability to the Engineer's Toolbox: A Challenge for Engineering Educators. <i>Environmental Science & Technology</i> , 2007, 41, 4847-4849.	10.5	71
120	A comparison of pilot-scale photocatalysis and enhanced coagulation for disinfection byproduct mitigation. <i>Water Research</i> , 2009, 43, 1597-1610.	11.4	71
121	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.	8.2	70
122	Novel RGO/±-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.	12.6	69
123	Performance of Modified La _x Sr _{1-x} MnO ₃ Perovskite Catalysts for NH ₃ Oxidation: TPD, DFT, and Kinetic Studies. <i>Environmental Science & Technology</i> , 2018, 52, 7443-7449.	10.5	69
124	Technology status and trends of industrial wastewater treatment: A patent analysis. <i>Chemosphere</i> , 2022, 288, 132483.	8.4	69
125	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.	13.0	68
126	Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC-g-PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6413-6423.	3.8	67

#	ARTICLE	IF	CITATIONS
127	Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Synthesis and Microstructure Impacts. ACS ES&T Engineering, 2021, 1, 623-661.	7.8	67
128	Sustainability in Engineering Education and Research at U.S. Universities. Environmental Science & Technology, 2009, 43, 5558-5564.	10.5	66
129	Self-Optimization of the Active Site of Molybdenum Disulfide by an Irreversible Phase Transition during Photocatalytic Hydrogen Evolution. Angewandte Chemie, 2017, 129, 7718-7722.	2.1	66
130	Sustained molecular oxygen activation by solid iron doped silicon carbide under microwave irradiation: Mechanism and application to norfloxacin degradation. Water Research, 2017, 126, 274-284.	11.4	66
131	Can virtual water trade save water resources?. Water Research, 2019, 163, 114848.	11.4	65
132	Cd complexation with mercapto-functionalized attapulgite (MATP): Adsorption and DFT study. Chemical Engineering Journal, 2019, 366, 569-576.	13.0	65
133	Tannic acid-metal complex modified MXene membrane for contaminants removal from water. Journal of Membrane Science, 2021, 622, 119042.	8.3	65
134	Photocatalytic inactivation of Cryptosporidium parvum with TiO ₂ and low-pressure ultraviolet irradiation. Water Research, 2008, 42, 1523-1530.	11.4	64
135	Occurrence and risk assessment of selected phthalates in drinking water from waterworks in China. Environmental Science and Pollution Research, 2015, 22, 10690-10698.	5.3	64
136	Quantitative structure-activity relationship models for predicting reaction rate constants of organic contaminants with hydrated electrons and their mechanistic pathways. Water Research, 2019, 151, 468-477.	11.4	64
137	Sulfadiazine destruction by chlorination in a pilot-scale water distribution system: Kinetics, pathway, and bacterial community structure. Journal of Hazardous Materials, 2019, 366, 88-97.	12.6	64
138	Conductive and hydrophilic polypyrrole modified membrane cathodes and fouling reduction in MBR. Journal of Membrane Science, 2013, 429, 252-258.	8.3	63
139	Blended PVC/PVC-g-PEGMA ultrafiltration membranes with enhanced performance and antifouling properties. Applied Surface Science, 2018, 455, 987-996.	6.3	63
140	Simulating the performance of fixed-bed granular activated carbon adsorbents: Removal of synthetic organic chemicals in the presence of background organic matter. Water Research, 2005, 39, 2407-2421.	11.4	60
141	Insight into chloride effect on the UV/peroxymonosulfate process. Chemical Engineering Journal, 2018, 352, 477-489.	13.0	59
142	Effective degradation of aqueous carbamazepine on a novel blue-colored TiO ₂ nanotube arrays membrane filter anode. Journal of Hazardous Materials, 2021, 402, 123530.	12.6	59
143	Modeling the movement of volatile organic chemicals in columns of unsaturated soil. Water Resources Research, 1990, 26, 1529-1547.	4.2	58
144	Adsorption mechanism for removing different species of fluoride by designing of core-shell boehmite. Journal of Hazardous Materials, 2020, 394, 122555.	12.6	58

#	ARTICLE	IF	CITATIONS
145	Linear Free Energy Relationships between Aqueous phase Hydroxyl Radical Reaction Rate Constants and Free Energy of Activation. <i>Environmental Science & Technology</i> , 2011, 45, 3479-3486.	10.5	57
146	Fabrication of visible-light active Fe ₂ O ₃ -QDs/NF-TiO ₂ composite film with highly enhanced photoelectrocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 347-356.	20.7	57
147	Photochemical Transformation and Photoinduced Toxicity Reduction of Silver Nanoparticles in the Presence of Perfluorocarboxylic Acids under UV Irradiation. <i>Environmental Science & Technology</i> , 2014, 48, 4946-4953.	10.5	56
148	Life cycle assessment of low impact development technologies combined with conventional centralized water systems for the City of Atlanta, Georgia. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	6.1	56
149	Closed-Loop Electrochemical Recycling of Spent Copper(II) from Etchant Wastewater Using a Carbon Nanotube Modified Graphite Felt Anode. <i>Environmental Science & Technology</i> , 2018, 52, 5940-5948.	10.5	56
150	Non-negligible risk of chloropicrin formation during chlorination with the UV/persulfate pretreatment process in the presence of low concentrations of nitrite. <i>Water Research</i> , 2020, 168, 115194.	11.4	56
151	The influence of mass transfer on solute transport in column experiments with an aggregated soil. <i>Journal of Contaminant Hydrology</i> , 1987, 1, 375-393.	3.5	55
152	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.	10.5	54
153	Environmental Impacts over the Life Cycle of Residential Buildings Using Different Exterior Wall Systems. <i>Journal of Infrastructure Systems</i> , 2009, 15, 211-221.	1.9	53
154	Integration of microbial fuel cell with independent membrane cathode bioreactor for power generation, membrane fouling mitigation and wastewater treatment. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17865-17872.	7.2	53
155	Quorum sensing molecules in activated sludge could trigger microalgae lipid synthesis. <i>Bioresource Technology</i> , 2018, 263, 576-582.	9.7	53
156	Spatial variations and periodic changes in heavy metals in surface water and sediments of the Three Gorges Reservoir, China. <i>Chemosphere</i> , 2020, 240, 124837.	8.4	53
157	Enhanced persulfate oxidation of organic pollutants and removal of total organic carbons using natural magnetite and microwave irradiation. <i>Chemical Engineering Journal</i> , 2020, 383, 123140.	13.0	53
158	Organics removal from shale gas wastewater by pre-oxidation combined with biologically active filtration. <i>Water Research</i> , 2021, 196, 117041.	11.4	53
159	Recovery of Critical Metals from Aqueous Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11616-11634.	6.9	52
160	Removal of dissolved organic carbon using granular activated carbon. <i>Water Research</i> , 1993, 27, 715-721.	11.4	51
161	Evaluating UV/H ₂ O ₂ processes for methyl tert-butyl ether and tertiary butyl alcohol removal: Effect of pretreatment options and light sources. <i>Water Research</i> , 2008, 42, 5045-5053.	11.4	50
162	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	50

#	ARTICLE	IF	CITATIONS
163	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.	10.1	49
164	An approach for evaluating nanomaterials for use as packed bed adsorber media: A case study of arsenate removal by titanate nanofibers. <i>Journal of Hazardous Materials</i> , 2008, 156, 604-611.	12.6	48
165	Highly Selective PdCu/Amorphous Silica~Alumina (ASA) Catalysts for Groundwater Denitration. <i>Environmental Science & Technology</i> , 2011, 45, 4066-4072.	10.5	48
166	Experimental and DFT studies on Sr-doped LaMnO ₃ catalysts for NO _x storage and reduction. <i>Catalysis Science and Technology</i> , 2015, 5, 2478-2485.	4.2	48
167	Air pollutant emissions from economic sectors in China: A linkage analysis. <i>Ecological Indicators</i> , 2017, 77, 250-260.	6.4	48
168	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.	6.3	48
169	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.	10.5	48
170	Electrochemical flow-through disinfection reduces antibiotic resistance genes and horizontal transfer risk across bacterial species. <i>Water Research</i> , 2022, 212, 118090.	11.4	48
171	User-oriented batch reactor solutions to the homogeneous surface diffusion model for different activated carbon dosages. <i>Water Research</i> , 2009, 43, 1859-1866.	11.4	47
172	Bibliometric analysis of insights into soil remediation. <i>Journal of Soils and Sediments</i> , 2018, 18, 2520-2534.	3.0	47
173	Dietary Uptake Patterns Affect Bioaccumulation and Biomagnification of Hydrophobic Organic Compounds in Fish. <i>Environmental Science & Technology</i> , 2019, 53, 4274-4284.	10.5	47
174	Environmental Impacts of China's Urbanization from 2000 to 2010 and Management Implications. <i>Environmental Management</i> , 2016, 57, 498-507.	2.7	46
175	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.	3.7	46
176	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H*. <i>Journal of Hazardous Materials</i> , 2018, 358, 294-301.	12.6	46
177	INTERCONNECTEDNESS AND RESILIENCE OF THE U.S. ECONOMY. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2011, 14, 649-672.	1.4	45
178	Data-enabled public preferences inform integration of autonomous vehicles with transit-oriented development in Atlanta. <i>Cities</i> , 2017, 63, 118-127.	5.8	45
179	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	45
180	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.	5.8	45

#	ARTICLE	IF	CITATIONS
181	Evaluation of eutrophication in freshwater lakes: A new non-equilibrium statistical approach. <i>Ecological Indicators</i> , 2019, 102, 686-692.	6.4	45
182	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.	11.4	45
183	UV Photolysis of Trichloroethylene: Product Study and Kinetic Modeling. <i>Environmental Science & Technology</i> , 2004, 38, 6685-6693.	10.5	43
184	Experimental approach for an in vitro toxicity assay with non-aggregated quantum dots. <i>Toxicology in Vitro</i> , 2009, 23, 955-962.	2.5	43
185	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.	9.6	43
186	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.	6.9	43
187	Reactivity of Aqueous Phase Hydroxyl Radical with Halogenated Carboxylate Anions: Experimental and Theoretical Studies. <i>Environmental Science & Technology</i> , 2011, 45, 6057-6065.	10.5	42
188	Developing a Science of Infrastructure Ecology for Sustainable Urban Systems. <i>Environmental Science & Technology</i> , 2012, 46, 7928-7929.	10.5	42
189	Development of Linear Free Energy Relationships for Aqueous Phase Radical-Involved Chemical Reactions. <i>Environmental Science & Technology</i> , 2014, 48, 13925-13932.	10.5	42
190	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.	8.2	42
191	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.	13.0	42
192	Model for Design of Multicomponent Adsorption Systems. <i>American Society of Civil Engineers, Journal of the Environmental Engineering Division</i> , 1978, 104, 1175-1195.	0.4	42
193	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.	4.8	41
194	Cost-benefit analysis of GHG emission reduction in waste to energy projects of China under clean development mechanism. <i>Resources, Conservation and Recycling</i> , 2016, 109, 90-95.	11.0	41
195	The effectiveness of coagulation for water reclamation from a wastewater treatment plant that has a long hydraulic and sludge retention times: A case study. <i>Chemosphere</i> , 2016, 157, 224-231.	8.4	41
196	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.	8.3	41
197	The synergistic mechanism of NO _x and chlorobenzene degradation in municipal solid waste incinerators. <i>Catalysis Science and Technology</i> , 2019, 9, 4286-4292.	4.2	41
198	Fractal dimensions of metropolitan area road networks and the impacts on the urban built environment. <i>Ecological Indicators</i> , 2016, 70, 285-296.	6.4	40

#	ARTICLE	IF	CITATIONS
199	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.	6.2	40
200	Using GAC to Remove VOCs From Air Stripper Off-Gas. <i>Journal - American Water Works Association</i> , 1988, 80, 73-84.	0.4	39
201	Effects of Metal Precursors on the Stability and Observed Reactivity of Pt/Al ₂ O ₃ Catalysts in Aqueous Phase Reactions. <i>ChemCatChem</i> , 2012, 4, 492-494.	3.8	39
202	An electrochemical process that uses an FeO/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.	6.1	39
203	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.	13.0	39
204	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.	12.6	38
205	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.	12.6	38
206	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.	6.3	37
207	Vacancy-Rich CoS@LDH@Co-NC Catalytic Membrane for Antibiotic Degradation with Mechanistic Insights. <i>Environmental Science & Technology</i> , 2023, 57, 16131-16140.	10.5	37
208	Optimization of Biofiltration for Odor Control: Model Calibration, Validation, and Applications. <i>Water Environment Research</i> , 2002, 74, 17-27.	2.7	36
209	Sustainable plants in urban parks: A life cycle analysis of traditional and alternative lawns in Georgia, USA. <i>Landscape and Urban Planning</i> , 2014, 122, 140-151.	7.7	36
210	The pH effects on H ₂ evolution kinetics for visible light water splitting over the Ru/(CuAg) _{0.15} In _{0.3} Zn _{1.4} S ₂ photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11727-11736.	7.2	35
211	Photocatalytic reduction of triclosan on Au-Cu ₂ O nanowire arrays as plasmonic photocatalysts under visible light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17421-17428.	2.9	35
212	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.	4.5	35
213	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.	10.1	35
214	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.	9.5	35
215	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.	13.0	35
216	Insights into modified red mud for the selective catalytic reduction of NO : Activation mechanism of targeted leaching. <i>Journal of Hazardous Materials</i> , 2020, 394, 122536.	12.6	35

#	ARTICLE	IF	CITATIONS
217	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.	8.3	34
218	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.	11.4	34
219	Nanomaterial Adsorbent Design: From Bench Scale Tests to Engineering Design. <i>Environmental Science & Technology</i> , 2019, 53, 10537-10538.	10.5	34
220	Fabrication and Electrochemical Treatment Application of an Al-Doped 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	33
221	Dechlorination and decomposition of chloroform induced by glow discharge plasma in an aqueous solution. <i>Journal of Hazardous Materials</i> , 2016, 308, 84-90.	12.6	33
222	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.	4.6	33
223	Hormesis effects of phosphorus on the viability of <i>Chlorella regularis</i> cells under nitrogen limitation. <i>Biotechnology for Biofuels</i> , 2019, 12, 121.	6.3	33
224	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.	8.3	33
225	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.	9.6	33
226	Computerized Pathway Elucidation for Hydroxyl Radical-Induced Chain Reaction Mechanisms in Aqueous Phase Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2009, 43, 2831-2837.	10.5	32
227	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.	4.8	32
228	Stability of an H ₂ -producing photocatalyst (Ru/(CuAg) _{0.15} In _{0.3} Zn _{1.4} S ₂) in aqueous solution under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1286-1296.	7.2	31
229	Computer-Based First-Principles Kinetic Modeling of Degradation Pathways and Byproduct Fates in Aqueous-Phase Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2014, 48, 5718-5725.	10.5	31
230	Influence of climate on the environmental and economic life cycle assessments of window options in the United States. <i>Energy and Buildings</i> , 2015, 102, 293-306.	6.8	31
231	Low concentrations of Al(III) accelerate the formation of biofilm: Multiple effects of hormesis and flocculation. <i>Science of the Total Environment</i> , 2018, 634, 516-524.	8.2	31
232	A freestanding graphene oxide membrane for efficiently harvesting salinity gradient power. <i>Carbon</i> , 2018, 138, 410-418.	10.7	31
233	Regeneration of spent adsorbents using homogeneous advanced oxidation. <i>Water Environment Research</i> , 1995, 67, 355-363.	2.7	30
234	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mn~Ce Hollow Structure. <i>ChemCatChem</i> , 2020, 12, 2872-2879.	3.8	30

#	ARTICLE	IF	CITATIONS
235	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.	11.0	30
236	Development of novel CaCO ₃ /Fe ₂ O ₃ nanorods for low temperature 1,2-dichlorobenzene oxidation. <i>Applied Catalysis A: General</i> , 2016, 522, 70-79.	4.6	29
237	Solar photoreactor design by the photon path length and optimization of the radiant field in a TiO ₂ -based CPC reactor. <i>Chemical Engineering Journal</i> , 2017, 315, 283-295.	13.0	29
238	High-performance polyamide thin-film composite nanofiltration membrane: Role of thermal treatment. <i>Applied Surface Science</i> , 2018, 435, 415-423.	6.3	29
239	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.	5.3	29
240	Removal of gaseous elemental mercury using thermally catalytic chlorite-persulfate complex. <i>Chemical Engineering Journal</i> , 2020, 391, 123508.	13.0	29
241	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.	8.4	29
242	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.	10.5	29
243	Promoting effect of Co-doped CeO ₂ nanorods activity and SO ₂ resistance for Hg ⁰ removal. <i>Fuel</i> , 2022, 317, 123320.	6.6	29
244	Development of a Framework for Quantifying the Environmental Impacts of Urban Development and Construction Practices. <i>Environmental Science & Technology</i> , 2007, 41, 5130-5136.	10.5	28
245	Harnessing Energy for a Sustainable World. <i>Journal of the American Chemical Society</i> , 2010, 132, 4503-4505.	14.6	28
246	Gigaton Problems Need Gigaton Solutions. <i>Environmental Science & Technology</i> , 2010, 44, 4037-4041.	10.5	28
247	Extraction of PFOA from dilute wastewater using ionic liquids that are dissolved in N-octanol. <i>Journal of Hazardous Materials</i> , 2021, 404, 124091.	12.6	28
248	Ferric ion promoted degradation of acetaminophen with zero-valent copper activated peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2021, 426, 131679.	13.0	28
249	Spatial variation and sources of polycyclic aromatic hydrocarbons (PAHs) in surface sediments from the Yangtze Estuary, China. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1340-1347.	3.4	27
250	Statistical optimization and batch studies on adsorption of phosphate using Al-eggshell. <i>Adsorption Science and Technology</i> , 2018, 36, 999-1017.	3.3	27
251	Impacts of Combined Cooling, Heating and Power Systems, and Rainwater Harvesting on Water Demand, Carbon Dioxide, and NO _x Emissions for Atlanta. <i>Environmental Science & Technology</i> , 2018, 52, 3-10.	10.5	27
252	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.	8.3	27

#	ARTICLE	IF	CITATIONS
253	Resource Recovery and Reuse for Hydraulic Fracturing Wastewater in Unconventional Shale Gas and Oil Extraction. <i>Environmental Science & Technology</i> , 2019, 53, 13547-13548.	10.5	26
254	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.	10.3	26
255	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.	7.2	26
256	Simultaneous Nitrite Resourcing and Mercury Ion Removal Using MXene-Anchored Goethite Heterogeneous Fenton Composite. <i>Environmental Science & Technology</i> , 2022, 56, 4542-4552.	10.5	26
257	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.	3.7	25
258	Biomass combustion: Environmental impact of various precombustion processes. <i>Journal of Cleaner Production</i> , 2020, 261, 121217.	9.5	25
259	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.	7.6	25
260	MXene Composite Membranes with Enhanced Ion Transport and Regulated Ion Selectivity. <i>Environmental Science & Technology</i> , 2022, 56, 8964-8974.	10.5	25
261	Photocatalytic water splitting of ternary graphene-like photocatalyst for the photocatalytic hydrogen production. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.1	24
262	Real-Time Ozone Detection Based on a Microfabricated Quartz Crystal Tuning Fork Sensor. <i>Sensors</i> , 2009, 9, 5655-5663.	4.0	23
263	Thin-film composite forward osmosis membranes with substrate layer composed of polysulfone blended with PEG or polysulfone grafted PEG methyl ether methacrylate. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 562-574.	4.5	23
264	Enhanced Photocatalytic Activity of SiC-Based Ternary Graphene Materials: A DFT Study and the Photocatalytic Mechanism. <i>ACS Omega</i> , 2019, 4, 20142-20151.	3.6	23
265	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.	4.9	23
266	Photocatalytic hydrogen production under visible-light irradiation on (CuAg) _{0.15} In _{0.3} Zn _{1.4} S ₂ synthesized by precipitation and calcination. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1926-1935.	14.6	22
267	Use of Impact Fees To Incentivize Low-Impact Development and Promote Compact Growth. <i>Environmental Science & Technology</i> , 2013, 47, 10744-10752.	10.5	22
268	Preparation and Photoelectrochemical Performance of Visible-Light Active AgI/TiO ₂ -NTs Composite with Rich I ²⁻ -AgI. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4897-4904.	3.8	22
269	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	22
270	Weak-Bond-Based Photoreduction of Polybrominated Diphenyl Ethers on Graphene in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6711-6717.	6.9	22

#	ARTICLE	IF	CITATIONS
271	PVDF ultrafiltration membranes of controlled performance via blending PVDF-g-PEGMA copolymer synthesized under different reaction times. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.1	22
272	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.	13.0	22
273	Thermodynamic analysis of a solar thermal facilitated membrane seawater desalination process. <i>Journal of Cleaner Production</i> , 2020, 256, 120398.	9.5	22
274	Cation-induced surface cleavage of organic pollutants with $\cdot\text{OH}$ formation from H_2O for water treatment. <i>IScience</i> , 2021, 24, 102874.	4.1	22
275	Emerging Challenges and Opportunities for Electrified Membranes to Enhance Water Treatment. <i>Environmental Science & Technology</i> , 2022, 56, 3832-3835.	10.5	22
276	Ru(III)-Periodate for High Performance and Selective Degradation of Aqueous Organic Pollutants: Important Role of Ru(V) and Ru(IV). <i>Environmental Science & Technology</i> , 2023, 57, 12094-12104.	10.5	22
277	Simulating the effect of light rail on urban growth in Phoenix: An application of the UrbanSim modeling environment. <i>Journal of Urban Technology</i> , 2006, 13, 91-111.	5.2	21
278	Arsenate Removal by Iron (Hydr)Oxide Modified Granulated Activated Carbon: Modeling Arsenate Breakthrough with the Pore Surface Diffusion Model. <i>Separation Science and Technology</i> , 2008, 43, 3154-3167.	2.5	21
279	Treatment of Antibiotic Pharmaceutical Wastewater Using a Rotating Biological Contactor. <i>Journal of Chemistry</i> , 2015, 2015, 1-8.	2.0	21
280	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.	8.2	21
281	A novel lanthanum-modified copper tailings adsorbent for phosphate removal from water. <i>Chemosphere</i> , 2021, 281, 130779.	8.4	21
282	Now is the Time for Action: Transitions and Tipping Points in Complex Environmental Systems. <i>Environment</i> , 2010, 52, 38-45.	1.8	20
283	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.	6.3	20
284	Kinetics and mechanism of 17β -estradiol chlorination in a pilot-scale water distribution systems. <i>Chemosphere</i> , 2017, 178, 73-79.	8.4	20
285	Stabilization and Mineralization Mechanism of Cd with Cu-Loaded Attapulgite Stabilizer Assisted with Microwave Irradiation. <i>Environmental Science & Technology</i> , 2018, 52, 12624-12632.	10.5	20
286	Electrochemical Advanced Oxidation of Perfluorooctanoic Acid: Mechanisms and Process Optimization with Kinetic Modeling. <i>Environmental Science & Technology</i> , 2022, 56, 14409-14417.	10.5	20
287	Optimization of Biofiltration for Odor Control: Model Development and Parameter Sensitivity. <i>Water Environment Research</i> , 2002, 74, 5-16.	2.7	19
288	Acid-Catalyzed Transformation of Ionophore Veterinary Antibiotics: Reaction Mechanism and Product Implications. <i>Environmental Science & Technology</i> , 2013, 47, 6781-6789.	10.5	19

#	ARTICLE	IF	CITATIONS
289	Design of visible light responsive photocatalysts for selective reduction of chlorinated organic compounds in water. <i>Applied Catalysis A: General</i> , 2016, 521, 90-95.	4.6	19
290	Electrochemical Pretreatment for Sludge Sulfide Control without Chemical Dosing: A Mechanistic Study. <i>Environmental Science & Technology</i> , 2019, 53, 14559-14567.	10.5	19
291	Study on the Transport Mechanism of a Freestanding Graphene Oxide Membrane for Forward Osmosis. <i>Environmental Science & Technology</i> , 2020, 54, 5802-5812.	10.5	19
292	Rice husk-derived biochar can aggravate arsenic mobility in ferrous-rich groundwater during oxygenation. <i>Water Research</i> , 2021, 200, 117264.	11.4	19
293	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.	8.2	19
294	Should We Consider Using Liquid Fluoride Thorium Reactors for Power Generation?. <i>Environmental Science & Technology</i> , 2011, 45, 6237-6238.	10.5	18
295	Novel off-Gas Treatment Technology To Remove Volatile Organic Compounds with High Concentration. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2594-2603.	3.8	17
296	Seven Approaches to Manage Complex Coupled Human and Natural Systems: A Sustainability Toolbox. <i>Environmental Science & Technology</i> , 2019, 53, 9341-9351.	10.5	17
297	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.	13.0	17
298	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.	8.1	17
299	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.	12.6	17
300	Enhanced electricity generation by triclosan and iron anodes in the three-chambered membrane bio-chemical reactor (TC-MBCR). <i>Bioresource Technology</i> , 2013, 147, 409-415.	9.7	16
301	On-the-Fly Kinetic Monte Carlo Simulation of Aqueous Phase Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2015, 49, 9230-9236.	10.5	16
302	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.	3.4	16
303	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.	6.1	16
304	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.	11.4	16
305	Electrocatalytic Oxidation Processes for Treatment of Halogenated Organic Pollutants in Aqueous Solution: A Critical Review. <i>ACS ES&T Engineering</i> , 2022, 2, 1756-1775.	7.8	16
306	Biochar-Assisted Catalytic Pyrolysis of Oily Sludge to Attain Harmless Disposal and Residue Utilization for Soil Reclamation. <i>Environmental Science & Technology</i> , 2023, 57, 7063-7073.	10.5	16

#	ARTICLE	IF	CITATIONS
307	The Minus Approach Can Redefine the Standard of Practice of Drinking Water Treatment. <i>Environmental Science & Technology</i> , 2023, 57, 7150-7161.	10.5	16
308	Activated carbon enhanced ozonation of oxalate attributed to HO oxidation in bulk solution and surface oxidation: Effect of activated carbon dosage and pH. <i>Journal of Environmental Sciences</i> , 2014, 26, 2095-2105.	6.3	15
309	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.	8.3	15
310	Metallic Bi and oxygen vacancy dual active sites enable efficient oxygen activation: Facet-dependent effect and interfacial synergy. <i>Applied Catalysis B: Environmental</i> , 2023, 325, 122349.	20.7	15
311	Efficient photocatalytic H ₂ production using visible-light irradiation and (CuAg) _x In _{2-x} Zn ₂ (1-x) ₂ S ₂ photocatalyst with tunable band gaps. <i>International Journal of Energy Research</i> , 2014, 38, 1513-1521.	10.4	14
312	Effects of inorganic electron donors in photocatalytic hydrogen production over Ru/(CuAg) _{0.15} In _{0.3} Zn _{1.4} S ₂ under visible light irradiation. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, .	2.0	14
313	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.	5.1	14
314	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.	8.4	14
315	Double-Network Hydrogel: A Potential Practical Adsorbent for Critical Metals Extraction and Recovery from Water. <i>Environmental Science & Technology</i> , 2022, 56, 4715-4717.	10.5	14
316	Decoupling Electron and Phase Transfer Processes to Enhance Electrochemical Nitrate to Ammonia Conversion by Blending Hydrophobic PTFE Nanoparticles within the Electrocatalyst Layer. <i>Advanced Energy Materials</i> , 2023, 13, .	22.2	14
317	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.	3.7	13
318	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.	6.9	13
319	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.	6.1	13
320	WSe ₂ -loaded co-catalysts Cu ₃ P and CNTs: Improving photocatalytic hydrogen precipitation and photocatalytic memory performance. <i>Journal of Colloid and Interface Science</i> , 2023, 629, 937-947.	9.6	13
321	Dissolved organic matter in complex shale gas wastewater analyzed with ESI FT-ICR MS: Typical characteristics and potential of biological treatment. <i>Journal of Hazardous Materials</i> , 2023, 447, 130823.	12.6	13
322	A Survey of Soil Enzyme Activities along Major Roads in Beijing: The Implications for Traffic Corridor Green Space Management. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 12475-12488.	2.7	12
323	Market potential for smart growth neighbourhoods in the USA: A latent class analysis on heterogeneous preference and choice. <i>Urban Studies</i> , 2015, 52, 3001-3017.	3.8	12
324	Thermolytic osmotic heat engine for low-grade heat harvesting: Thermodynamic investigation and potential application exploration. <i>Applied Energy</i> , 2020, 259, 114192.	10.3	12

#	ARTICLE	IF	CITATIONS
325	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.	10.5	12
326	Key intermediates from simultaneous removal of NO _x and chlorobenzene over a V ₂ O ₅ -WO ₃ /TiO ₂ catalyst: a combined experimental and DFT study. <i>Catalysis Science and Technology</i> , 2021, 11, 7260-7267.	4.2	12
327	Mechanisms of Cu ²⁺ migration, recovery and detoxification in Cu ²⁺ -, -containing wastewater treatment process with anaerobic granular sludge. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1956-1961.	2.4	11
328	Computer-Based First-Principles Kinetic Monte Carlo Simulation of Polyethylene Glycol Degradation in Aqueous Phase UV/H ₂ O ₂ Advanced Oxidation Process. <i>Environmental Science & Technology</i> , 2014, 48, 10813-10820.	10.5	11
329	Managing the Complexity of Urban Systems. <i>Journal of Industrial Ecology</i> , 2015, 19, 201-204.	5.7	11
330	High catalytic oxidation of As(III) by molecular oxygen over Fe-loaded silicon carbide with MW activation. <i>Chemosphere</i> , 2018, 198, 537-545.	8.4	11
331	Forward Solute Transport in Forward Osmosis Using a Freestanding Graphene Oxide Membrane. <i>Environmental Science & Technology</i> , 2021, 55, 6290-6298.	10.5	11
332	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.	7.3	10
333	Electrochemical oxidation of <i>Microcystis aeruginosa</i> using a Ti/RuO ₂ anode: contributions of electrochemically generated chlorines and hydrogen peroxide. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27924-27934.	5.3	10
334	Why Was My Paper Rejected without Review?. <i>Environmental Science & Technology</i> , 2020, 54, 11641-11644.	10.5	10
335	Oxidation of phthalate acid esters using hydrogen peroxide and polyoxometalate/graphene hybrids. <i>Journal of Hazardous Materials</i> , 2022, 422, 126867.	12.6	10
336	Silver Ion-Exchanged Anionic Metal-Organic Frameworks for Iodine Adsorption: Silver Species Evolution from Ions to Nanoparticles. <i>ACS Applied Nano Materials</i> , 2023, 6, 7206-7217.	5.2	10
337	Properties of Commercial Nanoparticles that Affect Their Removal During Water Treatment. , 2008, , 69-90.		9
338	An infrastructure ecology approach for urban infrastructure sustainability and resiliency. , 2011, , .		9
339	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.	2.9	9
340	Does Simplifying Transport and Exposure Yield Reliable Results? An Analysis of Four Risk Assessment Methods. <i>Environmental Science & Technology</i> , 2001, 35, 1282-1288.	10.5	8
341	Recommendations for Interdisciplinary Study of Tipping Points in Natural and Social Systems. <i>Eos</i> , 2010, 91, 143-144.	0.1	8
342	Computerized Pathway Generator for the UV/Free Chlorine Process: Prediction of Byproducts and Reactions. <i>Environmental Science & Technology</i> , 2021, 55, 2608-2617.	10.5	8

#	ARTICLE	IF	CITATIONS
343	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.	8.3	8
344	Safety and Technical Feasibility of Sustainable Reuse of Shale Gas Flowback and Produced Water after Advanced Treatment Aimed at Wheat Irrigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 12540-12551.	6.9	8
345	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.	2.7	7
346	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	7
347	Courtyard integrated ecological system: An ecological engineering practice in China and its economic-environmental benefit. <i>Journal of Cleaner Production</i> , 2016, 133, 1363-1370.	9.5	7
348	Combined genotoxicity of chlorinated products from tyrosine and benzophenone-4. <i>Journal of Hazardous Materials</i> , 2017, 322, 387-393.	12.6	7
349	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.	9.5	7
350	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.	12.6	7
351	Patent mining on soil pollution remediation technology from the perspective of technological trajectory. <i>Environmental Pollution</i> , 2023, 316, 120661.	7.7	7
352	An energy analysis of polylactic acid (PLA) produced from corn grain and corn stover integrated system. , 2011, , .		6
353	The self-preserving size distribution of fractal aggregates coagulating by Brownian motion and simultaneous fluid shear at low Peclet numbers: Numerical solutions. <i>Journal of Aerosol Science</i> , 2015, 87, 1-16.	3.9	6
354	Combined autotrophic nitritation and bioelectrochemical-sulfur denitrification for treatment of ammonium rich wastewater with low C/N ratio. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2329-2340.	5.3	6
355	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.	9.5	6
356	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.	9.5	6
357	Research progress on the impact of flood discharge atomization on the ecological environment. <i>Natural Hazards</i> , 2021, 108, 1415-1426.	3.4	6
358	Degradation of Trimethoprim Using the UV/Free Chlorine Process: Influencing Factors and Optimal Operating Conditions. <i>Water (Switzerland)</i> , 2021, 13, 1656.	2.8	6
359	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.	10.5	6
360	Screening ionic liquids for efficiently extracting perfluoroalkyl chemicals (PFACs) from wastewater. <i>Journal of Environmental Sciences</i> , 2023, 127, 866-874.	6.3	6

#	ARTICLE	IF	CITATIONS
361	Inactivation of <i>Microcystis aeruginosa</i> by H ₂ O ₂ generated from a carbon black polytetrafluoroethylene gas diffusion electrode in electrolysis by low-amperage electric current. <i>Environmental Pollution</i> , 2023, 324, 121316.	7.7	6
362	New Editors-in-Chief's Message. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 1-1.	6.1	5
363	Application of silica-based monolith as solid-phase extraction sorbent for extracting toxaphene congeners in soil. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 87-95.	2.3	5
364	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.	4.5	5
365	Has the second "running boom" democratized running? A study on the sociodemographic characteristics of finishers at the world's largest half marathon. <i>Sport in Society</i> , 2021, 24, 659-669.	1.2	5
366	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
367	Application of an Isothermal, Three-Phase Catalytic Reactor Model To Predict Unsteady-State Fixed-Bed Performance. <i>Environmental Science & Technology</i> , 2003, 37, 428-436.	10.5	4
368	Water, energy, land use, transportation and socioeconomic nexus: A blue print for more sustainable urban systems. , 2011, , .		4
369	Rapid determination of monopersulfate with bromide ion-catalyzed oxidation of 2,		

#	ARTICLE	IF	CITATIONS
379	Impacts of Onsite Stormwater Management on Different Residential Communities. Proceedings of the Water Environment Federation, 2012, 2012, 6423-6434.	0.0	1
380	Measurement and Modeling for the Solubility of Hydrogen Sulfide in Primene JM-T. Chinese Journal of Chemical Engineering, 2014, 22, 89-97.	3.5	1
381	Development of an efficient approach for separating bubbles and flocs in a submerged membrane ultrafiltration process. Water Science and Technology: Water Supply, 2018, 18, 808-818.	2.1	1
382	Cerebellar Arteriovenous Malformation Rupture Despite Apparent Angiographic Obliteration. World Neurosurgery, 2020, 134, 25-32.	1.5	1
383	High Concentration Organic Wastewater with High Phosphorus Treatment by Facultative MBR. Water (Switzerland), 2021, 13, 2902.	2.8	1
384	Principal component analysis and response surface methodology: optimization for H ₂ evolution from water catalyzed adopting Vâ€Bi under visible light. Materials Today Chemistry, 2022, 25, 100920.	3.8	1
385	Harnessing Photoâ€Thermal Conversion in Sulfurâ€Vulcanized Mxene for Highâ€Efficiency Solarâ€Carbonâ€Fuel Synthesis. Advanced Functional Materials, 0, , .	16.5	1
386	Reply to comments on: Mao et al. (2018) â€Bibliometric analysis of insights into soil remediationâ€ Journal of Soils and Sediments, 18(7):2520â€2534. Journal of Soils and Sediments, 2019, 19, 3659-3661.	3.0	0
387	Lead recovery from waste CRT funnel glass by mechanochemical reaction with reductive Al powder. Waste Management, 2023, 172, 43-50.	7.6	0
388	Water consumption in absorption chillers is not negligible: Water-for-cooling consumption of chiller systems for commercial buildings in the United States. Sustainable Energy Technologies and Assessments, 2024, 67, 103827.	2.9	0
389	Photo-to-Thermal Conversion Harnessing Low-Energy Photons Renders Efficient Solar CO ₂ Reduction. ACS Applied Materials & Interfaces, 2024, 16, 36247-36254.	8.3	0
390	Unveiling the Mechanism and Kinetics of Pollutant Attenuation by Free Radicals Triggered from Goethite in Water Distribution Systems. Environmental Science & Technology, 0, , .	10.5	0
391	Confined Intermediates Boost C ₂₊ Selectivity in CO ₂ Electroreduction. ACS Catalysis, 0, , 13400-13407.	11.7	0