

# Jiuhui Qu

## List of Publications by Year in descending order

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547  
papers

36,016  
citations

2427

97  
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7160

153  
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554  
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554  
docs citations

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times ranked

29213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Active and Stable Catalysts of Phytic Acid-Derivative Transition Metal Phosphides for Full Water Splitting. <i>Journal of the American Chemical Society</i> , 2016, 138, 14686-14693.	13.7	647
2	Ag/AgBr/TiO <sub>2</sub> Visible Light Photocatalyst for Destruction of Azodyes and Bacteria. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4066-4072.	2.6	552
3	Plasmon-Induced Photodegradation of Toxic Pollutants with Ag <sup>+</sup> /Al <sub>2</sub> O <sub>3</sub> under Visible-Light Irradiation. <i>Journal of the American Chemical Society</i> , 2010, 132, 857-862.	13.7	541
4	Preparation and evaluation of a novel Fe-Mn binary oxide adsorbent for effective arsenite removal. <i>Water Research</i> , 2007, 41, 1921-1928.	11.3	538
5	Two-dimensional layered MoS <sub>2</sub> : rational design, properties and electrochemical applications. <i>Energy and Environmental Science</i> , 2016, 9, 1190-1209.	30.8	532
6	Earth-Rich Transition Metal Phosphide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600087.	19.5	437
7	Confining Free Radicals in Close Vicinity to Contaminants Enables Ultrafast Fenton-Like Processes in the Interspacing of MoS <sub>2</sub> Membranes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8134-8138.	13.8	419
8	Characteristics of microplastic removal via coagulation and ultrafiltration during drinking water treatment. <i>Chemical Engineering Journal</i> , 2019, 359, 159-167.	12.7	382
9	Research progress of novel adsorption processes in water purification: A review. <i>Journal of Environmental Sciences</i> , 2008, 20, 1-13.	6.1	369
10	Removal of phosphate from water by a Fe-Mn binary oxide adsorbent. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 168-174.	9.4	356
11	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. <i>Nanoscale</i> , 2015, 7, 1250-1269.	5.6	290
12	Degradation of selected pharmaceuticals in aqueous solution with UV and UV/H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2009, 43, 1766-1774.	11.3	288
13	Mineralization of an azo dye Acid Red 14 by electro-Fenton's reagent using an activated carbon fiber cathode. <i>Dyes and Pigments</i> , 2005, 65, 227-233.	3.7	286
14	Mechanism of Catalytic Ozonation in Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> @SBA-15 Aqueous Suspension for Destruction of Ibuprofen. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1690-1697.	10.0	286
15	Visible-light sensitive cobalt-doped BiVO <sub>4</sub> (Co-BiVO <sub>4</sub> ) photocatalytic composites for the degradation of methylene blue dye in dilute aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 214-221.	20.2	285
16	Water-based synthesis of zeolitic imidazolate framework-8 with high morphology level at room temperature. <i>RSC Advances</i> , 2015, 5, 48433-48441.	3.6	276
17	CuFe <sub>2</sub> O <sub>4</sub> /activated carbon composite: A novel magnetic adsorbent for the removal of acid orange II and catalytic regeneration. <i>Chemosphere</i> , 2007, 68, 1058-1066.	8.2	270
18	Adsorptive removal of phosphate by a nanostructured Fe-Al-Mn trimetal oxide adsorbent. <i>Powder Technology</i> , 2013, 233, 146-154.	4.2	268

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19	Coagulation Behavior of Aluminum Salts in Eutrophic Water: Significance of Al <sup>3+</sup> Species and pH Control. <i>Environmental Science &amp; Technology</i> , 2006, 40, 325-331.	10.0	256
20	Photodegradation of tetracycline and formation of reactive oxygen species in aqueous tetracycline solution under simulated sunlight irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 197, 81-87.	3.9	249
21	Photodegradation and toxicity changes of antibiotics in UV and UV/H <sub>2</sub> O <sub>2</sub> process. <i>Journal of Hazardous Materials</i> , 2011, 185, 1256-1263.	12.4	240
22	Municipal wastewater treatment in China: Development history and future perspectives. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	238
23	Potential spreading risks and disinfection challenges of medical wastewater by the presence of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) viral RNA in septic tanks of Fangcang Hospital. <i>Science of the Total Environment</i> , 2020, 741, 140445.	8.0	236
24	Removal characteristics of microplastics by Fe-based coagulants during drinking water treatment. <i>Journal of Environmental Sciences</i> , 2019, 78, 267-275.	6.1	235
25	Removal of Antimonite (Sb(III)) and Antimonate (Sb(V)) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide (ZrO <sub>2</sub> ). <i>Environmental Science &amp; Technology</i> , 2015, 49, 11115-11124.	10.0	233
26	Magnetic powder MnO <sub>x</sub> -Fe <sub>2</sub> O <sub>3</sub> composite: a novel material for the removal of azo-dye from water. <i>Water Research</i> , 2005, 39, 630-638.	11.3	232
27	The mechanism of antimony(III) removal and its reactions on the surfaces of Fe-Mn Binary Oxide. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 320-326.	9.4	230
28	Systematic study of synergistic and antagonistic effects on adsorption of tetracycline and copper onto a chitosan. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 117-125.	9.4	229
29	Mechanism of natural organic matter removal by polyaluminum chloride: Effect of coagulant particle size and hydrolysis kinetics. <i>Water Research</i> , 2008, 42, 3361-3370.	11.3	220
30	Photocatalytic Degradation of Pathogenic Bacteria with AgI/TiO <sub>2</sub> under Visible Light Irradiation. <i>Langmuir</i> , 2007, 23, 4982-4987.	3.5	217
31	Highly efficient and sustainable non-precious-metal Fe-N-C electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2527-2539.	10.3	214
32	The Current State of Water Quality and Technology Development for Water Pollution Control in China. <i>Critical Reviews in Environmental Science and Technology</i> , 2010, 40, 519-560.	12.8	207
33	Catalytic Ozonation of Selected Pharmaceuticals over Mesoporous Alumina-Supported Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2525-2529.	10.0	203
34	Reinventing Fenton Chemistry: Iron Oxide Nanosheet for pH-Insensitive H <sub>2</sub> O <sub>2</sub> Activation. <i>Environmental Science and Technology Letters</i> , 2018, 5, 186-191.	8.7	202
35	Respective Role of Fe and Mn Oxide Contents for Arsenic Sorption in Iron and Manganese Binary Oxide: An X-ray Absorption Spectroscopy Investigation. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10316-10322.	10.0	200
36	Indirect Photodegradation of Amine Drugs in Aqueous Solution under Simulated Sunlight. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2760-2765.	10.0	195

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37	Adsorption behavior and mechanism of arsenate at Fe <sup>2+</sup> /Mn binary oxide/water interface. <i>Journal of Hazardous Materials</i> , 2009, 168, 820-825.	12.4	194
38	Effects of disinfectant and biofilm on the corrosion of cast iron pipes in a reclaimed water distribution system. <i>Water Research</i> , 2012, 46, 1070-1078.	11.3	193
39	Plasmon-Assisted Degradation of Toxic Pollutants with Ag <sup>+</sup> /AgBr/Al <sub>2</sub> O <sub>3</sub> under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2746-2750.	3.1	186
40	Visible-Light-Induced Photocatalytic Degradation of Azodyes in Aqueous AgI/TiO <sub>2</sub> Dispersion. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7903-7907.	10.0	180
41	Ultrathin water-stable metal-organic framework membranes for ion separation. <i>Science Advances</i> , 2020, 6, eaay3998.	10.3	179
42	Triggering surface oxygen vacancies on atomic layered molybdenum dioxide for a low energy consumption path toward nitrogen fixation. <i>Nano Energy</i> , 2019, 59, 10-16.	16.0	176
43	Biomolecule-assisted self-assembly of CdS/MoS <sub>2</sub> /graphene hollow spheres as high-efficiency photocatalysts for hydrogen evolution without noble metals. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 504-512.	20.2	175
44	Degradation of azo dye Acid Orange 7 in water by Fe <sup>0</sup> /granular activated carbon system in the presence of ultrasound. <i>Journal of Hazardous Materials</i> , 2007, 144, 180-186.	12.4	174
45	Enhanced Fenton degradation of Rhodamine B over nanoscaled Cu-doped LaTiO <sub>3</sub> perovskite. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 418-424.	20.2	174
46	Dechlorination of Trichloroacetic Acid Using a Noble Metal-Free Graphene <sup>+</sup> Cu Foam Electrode via Direct Cathodic Reduction and Atomic H <sup>*</sup> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 3829-3837.	10.0	169
47	Transformation of humic acid and halogenated byproduct formation in UV-chlorine processes. <i>Water Research</i> , 2016, 102, 421-427.	11.3	164
48	Formation of Bi <sub>2</sub> WO <sub>6</sub> Bipyramids with Vacancy Pairs for Enhanced Solar <sup>+</sup> Driven Photoactivity. <i>Advanced Functional Materials</i> , 2015, 25, 3726-3734.	14.9	155
49	Mineralization of an azo dye Acid Red 14 by photoelectro-Fenton process using an activated carbon fiber cathode. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 393-399.	20.2	154
50	Synthesis of Ce(III)-doped Fe <sub>3</sub> O <sub>4</sub> magnetic particles for efficient removal of antimony from aqueous solution. <i>Journal of Hazardous Materials</i> , 2017, 329, 193-204.	12.4	154
51	Improvement of metal adsorption onto chitosan/Sargassum sp. composite sorbent by an innovative ion-imprint technology. <i>Water Research</i> , 2011, 45, 145-154.	11.3	152
52	Photoelectrocatalytic Oxidation of Cu <sup>+</sup> /EDTA at the TiO <sub>2</sub> Electrode and Simultaneous Recovery of Cu <sup>+</sup> by Electrodeposition. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4480-4488.	10.0	151
53	Heterogeneous photo-Fenton degradation of acid red B over Fe <sub>2</sub> O <sub>3</sub> supported on activated carbon fiber. <i>Journal of Hazardous Materials</i> , 2015, 285, 167-172.	12.4	147
54	Removal of azo-dye Acid Red B (ARB) by adsorption and catalytic combustion using magnetic CuFe <sub>2</sub> O <sub>4</sub> powder. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 49-56.	20.2	146

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55	3D Macroporous Nitrogen-Enriched Graphitic Carbon Scaffold for Efficient Bioelectricity Generation in Microbial Fuel Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601364.	19.5	146
56	Defect Modulation of Z-Scheme TiO <sub>2</sub> /Cu <sub>2</sub> O Photocatalysts for Durable Water Splitting. <i>ACS Catalysis</i> , 2019, 9, 8346-8354.	11.2	146
57	Degradation of chloramphenicol by UV/chlorine treatment: Kinetics, mechanism and enhanced formation of halonitromethanes. <i>Water Research</i> , 2017, 121, 178-185.	11.3	144
58	Relative importance of hydrolyzed Al(III) species (Ala, Alb, and Alc) during coagulation with polyaluminum chloride: A case study with the typical micro-polluted source waters. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 482-489.	9.4	143
59	Microstructure of carbon nitride affecting synergetic photocatalytic activity: Hydrogen bonds vs. structural defects. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 49-57.	20.2	143
60	Enhanced coagulation for high alkalinity and micro-polluted water: The third way through coagulant optimization. <i>Water Research</i> , 2008, 42, 2278-2286.	11.3	141
61	Characterization of isolated fractions of dissolved organic matter from sewage treatment plant and the related disinfection by-products formation potential. <i>Journal of Hazardous Materials</i> , 2009, 164, 1433-1438.	12.4	137
62	Effects and mechanisms of pre-chlorination on <i>Microcystis aeruginosa</i> removal by alum coagulation: Significance of the released intracellular organic matter. <i>Separation and Purification Technology</i> , 2012, 86, 19-25.	7.9	135
63	Sulfur-based mixotrophic denitrification corresponding to different electron donors and microbial profiling in anoxic fluidized-bed membrane bioreactors. <i>Water Research</i> , 2015, 85, 422-431.	11.3	134
64	Hierarchically porous UiO-66 with tunable mesopores and oxygen vacancies for enhanced arsenic removal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7870-7879.	10.3	132
65	Catalytic ozonation of toxic pollutants over magnetic cobalt and manganese co-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2010, 100, 62-67.	20.2	131
66	Graphitic N in nitrogen-Doped carbon promotes hydrogen peroxide synthesis from electrocatalytic oxygen reduction. <i>Carbon</i> , 2020, 163, 154-161.	10.3	131
67	The role of biogenic Fe-Mn oxides formed in situ for arsenic oxidation and adsorption in aquatic ecosystems. <i>Water Research</i> , 2016, 98, 119-127.	11.3	129
68	Electrochemical process combined with UV light irradiation for synergistic degradation of ammonia in chloride-containing solutions. <i>Water Research</i> , 2009, 43, 1432-1440.	11.3	125
69	Removal of tetracycline from water by Fe-Mn binary oxide. <i>Journal of Environmental Sciences</i> , 2012, 24, 242-247.	6.1	125
70	Reactive, Self-Cleaning Ultrafiltration Membrane Functionalized with Iron Oxychloride Nanocatalysts. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8674-8683.	10.0	124
71	Role of Aluminum Speciation in the Removal of Disinfection Byproduct Precursors by a Coagulation Process. <i>Environmental Science &amp; Technology</i> , 2008, 42, 5752-5758.	10.0	123
72	Adsorption of nitrate and nitrite from aqueous solution onto calcined (Mg-Al) hydrotalcite of different Mg/Al ratio. <i>Chemical Engineering Journal</i> , 2012, 195-196, 241-247.	12.7	123

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73	Enhanced degradation of iopamidol by peroxymonosulfate catalyzed by two pipe corrosion products (CuO and $\text{Fe-MnO}_2$ ). <i>Water Research</i> , 2017, 112, 1-8.	11.3	123
74	Oxygen Doping to Optimize Atomic Hydrogen Binding Energy on NiCoP for Highly Efficient Hydrogen Evolution. <i>Small</i> , 2018, 14, e1800421.	10.0	122
75	Study of a combined heterotrophic and sulfur autotrophic denitrification technology for removal of nitrate in water. <i>Journal of Hazardous Materials</i> , 2009, 169, 23-28.	12.4	121
76	Facile "Spot Heating" Synthesis of Carbon Dots/Carbon Nitride for Solar Hydrogen Evolution Synchronously with Contaminant Decomposition. <i>Advanced Functional Materials</i> , 2018, 28, 1706462.	14.9	121
77	The electrocatalytic dechlorination of chloroacetic acids at electrodeposited Pd/Fe-modified carbon paper electrode. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 628-635.	20.2	120
78	Photoelectrocatalytic Degradation of Triazine-Containing Azo Dyes at $\text{Bi}_2\text{MoO}_6$ Film Electrode under Visible Light Irradiation ( $\lambda > 420$ nm). <i>Environmental Science &amp; Technology</i> , 2007, 41, 6802-6807.	10.0	118
79	Characterization and Reactivity of $\text{MnO}_x$ Supported on Mesoporous Zirconia for Herbicide 2,4-D Mineralization with Ozone. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3363-3368.	10.0	118
80	Surface acidity and reactivity of $\text{FeOOH}/\text{Al}_2\text{O}_3$ for pharmaceuticals degradation with ozone: In situ ATR-FTIR studies. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 340-346.	20.2	118
81	Phosphate removal from water using freshly formed Fe-Mn binary oxide: Adsorption behaviors and mechanisms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 455, 11-18.	4.7	117
82	Microplastic residues in wetland ecosystems: Do they truly threaten the plant-microbe-soil system?. <i>Environment International</i> , 2021, 156, 106708.	10.0	115
83	Effect of pH on the aluminum salts hydrolysis during coagulation process: Formation and decomposition of polymeric aluminum species. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 105-112.	9.4	113
84	Removal of tetracycline antibiotics from aqueous solution by amino-Fe (III) functionalized SBA15. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 471, 133-138.	4.7	113
85	Effect of aluminum fluoride complexation on fluoride removal by coagulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 395, 88-93.	4.7	112
86	$\text{Fe}_2\text{O}_3$ spherical nanocrystals supported on CNTs as efficient non-noble electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13635-13640.	10.3	110
87	Denitrification of groundwater using a sulfur-oxidizing autotrophic denitrifying anaerobic fluidized-bed MBR: performance and bacterial community structure. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2815-2827.	3.6	109
88	Dechlorination of triclosan by enhanced atomic hydrogen-mediated electrochemical reduction: Kinetics, mechanism, and toxicity assessment. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 120-129.	20.2	109
89	Arsenate uptake and arsenite simultaneous sorption and oxidation by Fe-Mn binary oxides: Influence of Mn/Fe ratio, pH, $\text{Ca}^{2+}$ , and humic acid. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 141-146.	9.4	108
90	Carbon nanodot-modified FeOCl for photo-assisted Fenton reaction featuring synergistic in-situ $\text{H}_2\text{O}_2$ production and activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118665.	20.2	108

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91	Effect of moderate pre-oxidation on the removal of <i>Microcystis aeruginosa</i> by $\text{KMnO}_4/\text{Fe(II)}$ process: Significance of the in-situ formed $\text{Fe(III)}$ . <i>Water Research</i> , 2012, 46, 73-81.	11.3	107
92	pH-Independent Production of Hydroxyl Radical from Atomic $\text{H}^*$ -Mediated Electrocatalytic $\text{H}_2\text{O}_2$ Reduction: A Green Fenton Process without Byproducts. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14725-14731.	10.0	106
93	Interface Stabilization of Undercoordinated Iron Centers on Manganese Oxides for Nature-Inspired Peroxide Activation. <i>ACS Catalysis</i> , 2018, 8, 1090-1096.	11.2	105
94	The electrocatalytic reduction of nitrate in water on Pd/Sn-modified activated carbon fiber electrode. <i>Water Research</i> , 2006, 40, 1224-1232.	11.3	103
95	The progress of catalytic technologies in water purification: A review. <i>Journal of Environmental Sciences</i> , 2009, 21, 713-719.	6.1	102
96	Organic micropollutants in the Yangtze River: Seasonal occurrence and annual loads. <i>Science of the Total Environment</i> , 2014, 472, 789-799.	8.0	102
97	Identification and quantification of bacterial genomes carrying antibiotic resistance genes and virulence factor genes for aquatic microbiological risk assessment. <i>Water Research</i> , 2020, 168, 115160.	11.3	102
98	Characterization of biofilm and corrosion of cast iron pipes in drinking water distribution system with UV/ $\text{Cl}_2$ disinfection. <i>Water Research</i> , 2014, 60, 174-181.	11.3	101
99	Impact of humic acid on the degradation of levofloxacin by aqueous permanganate: Kinetics and mechanism. <i>Water Research</i> , 2017, 123, 67-74.	11.3	101
100	Electrochemically assisted photocatalytic degradation of Acid Orange 7 with $\text{PbO}_2$ electrodes modified by $\text{TiO}_2$ . <i>Water Research</i> , 2006, 40, 213-220.	11.3	100
101	Graphene-modified Pd/C cathode and Pd/GAC particles for enhanced electrocatalytic removal of bromate in a continuous three-dimensional electrochemical reactor. <i>Water Research</i> , 2015, 77, 1-12.	11.3	100
102	$\text{Fe-Mn}$ binary oxide incorporated into diatomite as an adsorbent for arsenite removal: Preparation and evaluation. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 353-358.	9.4	99
103	An activated carbon fiber cathode for the degradation of glyphosate in aqueous solutions by the Electro-Fenton mode: Optimal operational conditions and the deposition of iron on cathode on electrode reusability. <i>Water Research</i> , 2016, 105, 575-582.	11.3	99
104	Microfluidic Flow through Polyaniline Supported by Lamellar-Structured Graphene for Mass-Transfer-Enhanced Electrocatalytic Reduction of Hexavalent Chromium. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13534-13541.	10.0	98
105	Inactivation of <i>Microcystis aeruginosa</i> by Continuous Electrochemical Cycling Process in Tube Using Ti/RuO <sub>2</sub> Electrodes. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4633-4639.	10.0	97
106	Alkalinity effect of coagulation with polyaluminum chlorides: Role of electrostatic patch. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 294, 163-173.	4.7	97
107	Electrochemically assisted photocatalytic degradation of Orange II: Influence of initial pH values. <i>Journal of Molecular Catalysis A</i> , 2006, 259, 238-244.	4.8	96
108	Chlorination of <i>Microcystis aeruginosa</i> suspension: Cell lysis, toxin release and degradation. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 279-285.	12.4	95

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109	Simultaneous destruction of Nickel (II)-EDTA with TiO <sub>2</sub> /Ti film anode and electrodeposition of nickel ions on the cathode. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 478-485.	20.2	95
110	New Insights into Defect-Mediated Heterostructures for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1502268.	19.5	95
111	Adsorption of aromatic organoarsenic compounds by ferric and manganese binary oxide and description of the associated mechanism. <i>Chemical Engineering Journal</i> , 2017, 309, 577-587.	12.7	95
112	Synthesis of carbon-coated magnetic nanocomposite (Fe <sub>3</sub> O <sub>4</sub> @C) and its application for sulfonamide antibiotics removal from water. <i>Journal of Environmental Sciences</i> , 2014, 26, 962-969.	6.1	94
113	Activation of Lattice Oxygen in LaFe (Oxy)hydroxides for Efficient Phosphorus Removal. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9073-9080.	10.0	94
114	Electro-oxidation of diclofenac at boron doped diamond: Kinetics and mechanism. <i>Electrochimica Acta</i> , 2009, 54, 4172-4179.	5.2	93
115	Coagulation of humic acid by PACl with high content of Al <sup>13</sup> : The role of aluminum speciation. <i>Separation and Purification Technology</i> , 2009, 70, 225-230.	7.9	93
116	Polyoxometalates/TiO <sub>2</sub> Fenton-like photocatalysts with rearranged oxygen vacancies for enhanced synergistic degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 407-413.	20.2	92
117	Redox Conversion of Chromium(VI) and Arsenic(III) with the Intermediates of Chromium(V) and Arsenic(IV) via AuPd/CNTs Electrocatalysis in Acid Aqueous Solution. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9289-9297.	10.0	91
118	Degradation of azo dye acid red B on manganese dioxide in the absence and presence of ultrasonic irradiation. <i>Journal of Hazardous Materials</i> , 2003, 100, 197-207.	12.4	89
119	<i>In Situ</i> Characterization of Dehydration during Ion Transport in Polymeric Nanochannels. <i>Journal of the American Chemical Society</i> , 2021, 143, 14242-14252.	13.7	89
120	Simultaneous removal of Cd(II) and Sb(V) by Fe-Mn binary oxide: Positive effects of Cd(II) on Sb(V) adsorption. <i>Journal of Hazardous Materials</i> , 2015, 300, 847-854.	12.4	88
121	Biomass-Derived Porous Fe <sub>3</sub> C/Tungsten Carbide/Graphitic Carbon Nanocomposite for Efficient Electrocatalysis of Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32307-32316.	8.0	88
122	Disordering the Atomic Structure of Co(II) Oxide via B-Doping: An Efficient Oxygen Vacancy Introduction Approach for High Oxygen Evolution Reaction Electrocatalysts. <i>Small</i> , 2018, 14, e1802760.	10.0	88
123	Multi-electric field modulation for photocatalytic oxygen evolution: Enhanced charge separation by coupling oxygen vacancies with faceted heterostructures. <i>Nano Energy</i> , 2018, 51, 764-773.	16.0	88
124	Polyoxometalates/TiO <sub>2</sub> photocatalysts with engineered facets for enhanced degradation of bisphenol A through persulfate activation. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118394.	20.2	88
125	Efficient destruction of pathogenic bacteria with AgBr/TiO <sub>2</sub> under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 354-360.	20.2	86
126	Effect of aluminum speciation on arsenic removal during coagulation process. <i>Separation and Purification Technology</i> , 2012, 86, 35-40.	7.9	86



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127	Oxygenated, nitrated, methyl and parent polycyclic aromatic hydrocarbons in rivers of Haihe River System, China: Occurrence, possible formation, and source and fate in a water-shortage area. <i>Science of the Total Environment</i> , 2014, 481, 178-185.	8.0	85
128	Antimony Removal from Aqueous Solution Using Novel $\text{MnO}_2$ Nanofibers: Equilibrium, Kinetic, and Density Functional Theory Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2255-2264.	6.7	85
129	Hierarchical Nanotubular Anatase/Rutile/ $\text{TiO}_2$ (B) Heterophase Junction with Oxygen Vacancies for Enhanced Photocatalytic $\text{H}_2$ Production. <i>Langmuir</i> , 2018, 34, 1883-1889.	3.5	85
130	Impacts of water quality on the corrosion of cast iron pipes for water distribution and proposed source water switch strategy. <i>Water Research</i> , 2018, 129, 428-435.	11.3	85
131	Efficient <i>Microcystis aeruginosa</i> removal by moderate photocatalysis-enhanced coagulation with magnetic Zn-doped $\text{Fe}_3\text{O}_4$ particles. <i>Water Research</i> , 2020, 171, 115448.	11.3	85
132	Photoelectrochemical degradation of anti-inflammatory pharmaceuticals at Bi <sub>2</sub> MoO <sub>6</sub> boron-doped diamond hybrid electrode under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 539-545.	20.2	84
133	Photoassisted degradation of endocrine disruptors over CuO/FeOOH with H <sub>2</sub> O <sub>2</sub> at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2009, 87, 30-36.	20.2	84
134	Performance and Mechanisms of Ultrafiltration Membrane Fouling Mitigation by Coupling Coagulation and Applied Electric Field in a Novel Electrocoagulation Membrane Reactor. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8544-8551.	10.0	84
135	Enhanced coagulation in a typical North-China water treatment plant. <i>Water Research</i> , 2006, 40, 3621-3627.	11.3	83
136	Zirconia ( $\text{ZrO}_2$ ) Embedded in Carbon Nanowires via Electrospinning for Efficient Arsenic Removal from Water Combined with DFT Studies. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18912-18921.	8.0	83
137	Adsorption of antimony(V) onto Mn(II)-enriched surfaces of manganese-oxide and Fe Mn binary oxide. <i>Chemosphere</i> , 2015, 138, 616-624.	8.2	82
138	Enhancement of the Donnan effect through capacitive ion increase using an electroconductive rGO-CNT nanofiltration membrane. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4737-4745.	10.3	82
139	Efficient Destruction of Pathogenic Bacteria with NiO/SrBi <sub>2</sub> O <sub>4</sub> under Visible Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5508-5513.	10.0	81
140	Oxygen vacancy mediated construction of anatase/brookite heterophase junctions for high-efficiency photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24989-24994.	10.3	81
141	Anaerobically-digested sludge disintegration by transition metal ions-activated peroxymonosulfate (PMS): Comparison between Co <sup>2+</sup> , Cu <sup>2+</sup> , Fe <sup>2+</sup> and Mn <sup>2+</sup> . <i>Science of the Total Environment</i> , 2020, 713, 136530.	8.0	80
142	Elimination of polar micropollutants and anthropogenic markers by wastewater treatment in Beijing, China. <i>Chemosphere</i> , 2015, 119, 1054-1061.	8.2	79
143	Hydrogen-Bond-Mediated Self-Assembly of Carbon-Nitride-Based Photo-Fenton-like Membranes for Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6981-6988.	10.0	79
144	Removal of arsenite by simultaneous electro-oxidation and electro-coagulation process. <i>Journal of Hazardous Materials</i> , 2010, 184, 472-476.	12.4	78

#	ARTICLE	IF	CITATIONS
145	Characteristic transformation of humic acid during photoelectrocatalysis process and its subsequent disinfection byproduct formation potential. <i>Water Research</i> , 2011, 45, 6131-6140.	11.3	78
146	Integrating microbial biomass, composition and function to discern the level of anthropogenic activity in a river ecosystem. <i>Environment International</i> , 2018, 116, 147-155.	10.0	78
147	Ozonation ofalachlor catalyzed by Cu/Al <sub>2</sub> O <sub>3</sub> in water. <i>Catalysis Today</i> , 2004, 90, 291-296.	4.4	77
148	Ultra-fast and onsite interrogation of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in waters via surface enhanced Raman scattering (SERS). <i>Water Research</i> , 2021, 200, 117243.	11.3	77
149	Effect of Aluminum Speciation and Structure Characterization on Preferential Removal of Disinfection Byproduct Precursors by Aluminum Hydroxide Coagulation. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5067-5072.	10.0	76
150	Plasmon-Induced Inactivation of Enteric Pathogenic Microorganisms with Ag <sup>+</sup> /AgI/Al <sub>2</sub> O <sub>3</sub> under Visible-Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 7058-7062.	10.0	76
151	Prechlorination of algae-laden water: The effects of transportation time on cell integrity, algal organic matter release, and chlorinated disinfection byproduct formation. <i>Water Research</i> , 2016, 102, 221-228.	11.3	76
152	VUV/UV/Chlorine as an Enhanced Advanced Oxidation Process for Organic Pollutant Removal from Water: Assessment with a Novel Mini-Fluidic VUV/UV Photoreaction System (MVPS). <i>Environmental Science &amp; Technology</i> , 2016, 50, 5849-5856.	10.0	76
153	Photoactuation Healing of FeOOH@C <sub>3</sub> N <sub>4</sub> Catalyst for Efficient and Stable Activation of Persulfate. <i>Small</i> , 2017, 13, 1702225.	10.0	76
154	Triggering of Low-Valence Molybdenum in Multiphasic MoS <sub>2</sub> for Effective Reactive Oxygen Species Output in Catalytic Fenton-like Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26781-26788.	8.0	76
155	Metagenomic Approach Reveals Variation of Microbes with Arsenic and Antimony Metabolism Genes from Highly Contaminated Soil. <i>PLoS ONE</i> , 2014, 9, e108185.	2.5	75
156	Probabilistic evaluation of integrating resource recovery into wastewater treatment to improve environmental sustainability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1630-1635.	7.1	75
157	Transformation of para arsanilic acid by manganese oxide: Adsorption, oxidation, and influencing factors. <i>Water Research</i> , 2017, 116, 126-134.	11.3	75
158	Combined bioelectrochemical and sulfur autotrophic denitrification for drinking water treatment. <i>Water Research</i> , 2003, 37, 3767-3775.	11.3	74
159	Design of BDD-TiO <sub>2</sub> Hybrid Electrode with P <sup>+</sup> N Function for Photoelectrocatalytic Degradation of Organic Contaminants. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4934-4939.	10.0	74
160	Treatment of strongly acidic wastewater with high arsenic concentrations by ferrous sulfide (FeS): Inhibitive effects of S(0)-enriched surfaces. <i>Chemical Engineering Journal</i> , 2016, 304, 986-992.	12.7	74
161	Treatment of groundwater containing Mn(II), Fe(II), As(III) and Sb(III) by bioaugmented quartz-sand filters. <i>Water Research</i> , 2016, 106, 126-134.	11.3	73
162	Evolving wastewater infrastructure paradigm to enhance harmony with nature. <i>Science Advances</i> , 2018, 4, eaaq0210.	10.3	73

#	ARTICLE	IF	CITATIONS
163	Effects of calcium ions on surface characteristics and adsorptive properties of hydrous manganese dioxide. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 275-280.	9.4	72
164	Disinfection by-products formation and precursors transformation during chlorination and chloramination of highly-polluted source water: Significance of ammonia. <i>Water Research</i> , 2013, 47, 5901-5910.	11.3	72
165	Self-assembled one-dimensional MnO <sub>2</sub> @zeolitic imidazolate framework-8 nanostructures for highly efficient arsenite removal. <i>Environmental Science: Nano</i> , 2016, 3, 1186-1194.	4.3	72
166	Efficient conversion of dimethylarsinate into arsenic and its simultaneous adsorption removal over FeCx/N-doped carbon fiber composite in an electro-Fenton process. <i>Water Research</i> , 2016, 100, 57-64.	11.3	71
167	Catalytic Ozonation of Herbicide 2,4-D over Cobalt Oxide Supported on Mesoporous Zirconia. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5978-5983.	3.1	70
168	Effects of amino acids on microcystin production of the <i>Microcystis aeruginosa</i> . <i>Journal of Hazardous Materials</i> , 2009, 161, 730-736.	12.4	70
169	Photoelectrocatalytic degradation of organic contaminants at Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanotube array electrode. <i>Applied Surface Science</i> , 2011, 257, 4621-4624.	6.1	69
170	Ecotoxicity of polystyrene microplastics to submerged carnivorous <i>Utricularia vulgaris</i> plants in freshwater ecosystems. <i>Environmental Pollution</i> , 2020, 265, 114830.	7.5	69
171	Enhanced degradation of 2,4-dinitrotoluene by ozonation in the presence of manganese(II) and oxalic acid. <i>Journal of Molecular Catalysis A</i> , 2008, 286, 149-155.	4.8	68
172	Electrochemical removal of haloacetic acids in a three-dimensional electrochemical reactor with Pd-GAC particles as fixed filler and Pd-modified carbon paper as cathode. <i>Water Research</i> , 2014, 51, 134-143.	11.3	68
173	Occurrence, behavior and removal of typical substituted and parent polycyclic aromatic hydrocarbons in a biological wastewater treatment plant. <i>Water Research</i> , 2014, 52, 11-19.	11.3	68
174	Investigation of pre-coagulation and powder activate carbon adsorption on ultrafiltration membrane fouling. <i>Journal of Membrane Science</i> , 2014, 459, 157-168.	8.2	67
175	UV photolysis kinetics of sulfonamides in aqueous solution based on optimized fluence quantification. <i>Water Research</i> , 2015, 75, 43-50.	11.3	67
176	KMnO <sub>4</sub> + Fe(II) pretreatment to enhance <i>Microcystis aeruginosa</i> removal by aluminum coagulation: Does it work after long distance transportation?. <i>Water Research</i> , 2016, 88, 127-134.	11.3	67
177	Reaction of Cu(CN) <sub>3</sub> <sup>2-</sup> with H <sub>2</sub> O <sub>2</sub> in water under alkaline conditions: Cyanide oxidation, Cu <sup>+</sup> /Cu <sup>2+</sup> catalysis and H <sub>2</sub> O <sub>2</sub> decomposition. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 85-90.	20.2	66
178	Adsorption combined with superconducting high gradient magnetic separation technique used for removal of arsenic and antimony. <i>Journal of Hazardous Materials</i> , 2018, 343, 36-48.	12.4	66
179	Efficient destruction of bacteria with Ti(IV) and antibacterial ions in co-substituted hydroxyapatite films. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 345-353.	20.2	65
180	Application of nuclear magnetic resonance spectroscopy, Fourier transform infrared spectroscopy, UV-Visible spectroscopy and kinetic modeling for elucidation of adsorption chemistry in uptake of tetracycline by zeolite beta. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 261-267.	9.4	65

#	ARTICLE	IF	CITATIONS
181	Photoelectrocatalytic oxidation of Cu-EDTA complex and electrodeposition recovery of Cu in a continuous tubular photoelectrochemical reactor. <i>Chemical Engineering Journal</i> , 2014, 239, 53-59.	12.7	65
182	Preparation and visible-light activity of silver vanadate for the degradation of pollutants. <i>Materials Research Bulletin</i> , 2008, 43, 2986-2997.	5.2	64
183	Integrated Metagenomic and Physiochemical Analyses to Evaluate the Potential Role of Microbes in the Sand Filter of a Drinking Water Treatment System. <i>PLoS ONE</i> , 2013, 8, e61011.	2.5	64
184	Inhibition of bromate formation by surface reduction in catalytic ozonation of organic pollutants over $\text{Fe}^{2+}$ -FeOOH/Al <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2014, 147, 287-292.	20.2	64
185	Anaerobically-digested sludge conditioning by activated peroxydisulfate: Significance of EDTA chelated-Fe <sup>2+</sup> . <i>Water Research</i> , 2019, 160, 454-465.	11.3	64
186	Selective adsorption of fluoride from drinking water using NiAl-layered metal oxide film electrode. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 146-151.	9.4	64
187	Using high-throughput sequencing to assess the impacts of treated and untreated wastewater discharge on prokaryotic communities in an urban river. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1841-1851.	3.6	63
188	Preparation of a manganese dioxide/carbon fiber electrode for electrosorptive removal of copper ions from water. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 359-365.	9.4	63
189	Adsorption of Sb(III) and Sb(V) on Freshly Prepared Ferric Hydroxide (FeOxHy). <i>Environmental Engineering Science</i> , 2015, 32, 95-102.	1.6	61
190	Oxidative decomposition of azo dye C.I. Acid Orange 7 (AO7) under microwave electrodeless lamp irradiation in the presence of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2006, 134, 183-189.	12.4	60
191	Bactericidal Mechanism of Ag/Al <sub>2</sub> O <sub>3</sub> against <i>Escherichia coli</i> . <i>Langmuir</i> , 2007, 23, 11197-11199.	3.5	60
192	Efficient electrochemical reduction of bromate by a Pd/rGO/CFP electrode with low applied potentials. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 179-187.	20.2	60
193	Effect of low dosage of coagulant on the ultrafiltration membrane performance in feedwater treatment. <i>Water Research</i> , 2014, 51, 277-283.	11.3	60
194	Characterization and reactivity of biogenic manganese oxides for ciprofloxacin oxidation. <i>Journal of Environmental Sciences</i> , 2014, 26, 1154-1161.	6.1	60
195	Enhanced Stabilization and Effective Utilization of Atomic Hydrogen on Pd-In Nanoparticles in a Flow-through Electrode. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11383-11390.	10.0	60
196	Simultaneous removal of arsenate and fluoride by iron and aluminum binary oxide: Competitive adsorption effects. <i>Separation and Purification Technology</i> , 2012, 92, 100-105.	7.9	59
197	Boosting photoelectrochemical activities of heterostructured photoanodes through interfacial modulation of oxygen vacancies. <i>Nano Energy</i> , 2017, 35, 290-298.	16.0	59
198	Defluoridation by freshly prepared aluminum hydroxides. <i>Chemical Engineering Journal</i> , 2011, 175, 144-149.	12.7	57

#	ARTICLE	IF	CITATIONS
199	Removal of arsenic(III) from aqueous solution using a low-cost by-product in Fe-removal plantsâ€™Fe-based backwashing sludge. <i>Chemical Engineering Journal</i> , 2013, 226, 393-401.	12.7	57
200	Enhanced indirect atomic H* reduction at a hybrid Pd/graphene cathode for electrochemical dechlorination under low negative potentials. <i>Environmental Science: Nano</i> , 2018, 5, 2282-2292.	4.3	57
201	The variation of flocs activity during floc breakage and aging, adsorbing phosphate, humic acid and clay particles. <i>Water Research</i> , 2019, 155, 131-141.	11.3	57
202	Preparation of organically functionalized silica gel as adsorbent for copper ion adsorption. <i>Journal of Environmental Sciences</i> , 2009, 21, 1473-1479.	6.1	56
203	Dual channel construction of WO <sub>3</sub> photocatalysts by solution plasma for the persulfate-enhanced photodegradation of bisphenol A. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119221.	20.2	56
204	Photocatalytic decomposition of acetaldehyde and Escherichia coli using NiO/SrBi <sub>2</sub> O <sub>4</sub> under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2006, 69, 17-23.	20.2	55
205	Efficient photodegradation of Acid Red B by immobilized ferrocene in the presence of UVA and H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2008, 154, 146-152.	12.4	55
206	Electro-photocatalytic degradation of acid orange II using a novel TiO <sub>2</sub> /ACF photoanode. <i>Science of the Total Environment</i> , 2009, 407, 2431-2439.	8.0	55
207	Photoelectrochemical generation of hydrogen over carbon-doped TiO <sub>2</sub> photoanode. <i>Applied Catalysis B: Environmental</i> , 2009, 92, 41-49.	20.2	55
208	Development of systems for detection, early warning, and control of pipeline leakage in drinking water distribution: A case study. <i>Journal of Environmental Sciences</i> , 2011, 23, 1816-1822.	6.1	55
209	Enhanced membrane fouling mitigation by modulating cake layer porosity and hydrophilicity in an electro-coagulation/oxidation membrane reactor (ECOMR). <i>Journal of Membrane Science</i> , 2018, 550, 72-79.	8.2	55
210	Surface charge and hydrophilicity improvement of graphene membranes via modification of pore surface oxygen-containing groups to enhance permeability and selectivity. <i>Carbon</i> , 2019, 145, 140-148.	10.3	55
211	Characterization of dissolved organic matter from surface waters with low to high dissolved organic carbon and the related disinfection byproduct formation potential. <i>Journal of Hazardous Materials</i> , 2014, 271, 228-235.	12.4	54
212	Distribution, mass load and environmental impact of multiple-class pharmaceuticals in conventional and upgraded municipal wastewater treatment plants in East China. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 596-605.	3.5	54
213	The electrochemical production of highly effective polyaluminum chloride. <i>Water Research</i> , 1999, 33, 807-813.	11.3	53
214	Bromate removal by electrochemical reduction at boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2012, 62, 181-184.	5.2	53
215	The pre-treatment of submerged ultrafiltration membrane by coagulationâ€™Effect of polyacrylamide as a coagulant aid. <i>Journal of Membrane Science</i> , 2013, 446, 50-58.	8.2	53
216	Modification of ultrafiltration membrane with nanoscale zerovalent iron layers for humic acid fouling reduction. <i>Water Research</i> , 2015, 71, 140-149.	11.3	53

#	ARTICLE	IF	CITATIONS
217	Emerging graphitic carbon nitride-based membranes for water purification. <i>Water Research</i> , 2021, 200, 117207.	11.3	53
218	Cyanobacteria and their toxins in Guanting Reservoir of Beijing, China. <i>Journal of Hazardous Materials</i> , 2008, 153, 470-477.	12.4	52
219	Fabrication and photoelectrocatalytic properties of nanocrystalline monoclinic BiVO <sub>4</sub> thin-film electrode. <i>Journal of Environmental Sciences</i> , 2011, 23, 151-159.	6.1	52
220	Metagenomic analysis reveals microbial diversity and function in the rhizosphere soil of a constructed wetland. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2521-2527.	2.2	52
221	Reductive dechlorination of trichloroacetic acid (TCAA) by electrochemical process over Pd-In/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Electrochimica Acta</i> , 2017, 232, 13-21.	5.2	52
222	Synergistic effect of dual sites on bimetal-organic frameworks for highly efficient peroxide activation. <i>Journal of Hazardous Materials</i> , 2021, 406, 124692.	12.4	52
223	Moderate KMnO <sub>4</sub> -Fe(II) pre-oxidation for alleviating ultrafiltration membrane fouling by algae during drinking water treatment. <i>Water Research</i> , 2018, 142, 96-104.	11.3	51
224	Metagenomics Unravels Differential Microbiome Composition and Metabolic Potential in Rapid Sand Filters Purifying Surface Water Versus Groundwater. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5197-5206.	10.0	51
225	Degradation characteristics of humic acid over iron oxides/Fe <sub>3</sub> O <sub>4</sub> core-shell nanoparticles with UVA/H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2010, 173, 474-479.	12.4	50
226	Polycyclic aromatic hydrocarbons in wastewater, WWTPs effluents and in the recipient waters of Beijing, China. <i>Environmental Science and Pollution Research</i> , 2013, 20, 4254-4260.	5.3	50
227	Strongly Coupled Metal Oxide/Reassembled Carbon Nitride/Co <sup>II</sup> -Pi Heterostructures for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6424-6432.	8.0	50
228	Specific anion effects on the stability of zeolitic imidazolate framework-8 in aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 171-177.	4.4	50
229	Comparing adsorption of arsenic and antimony from single-solute and bi-solute aqueous systems onto ZIF-8. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 164-172.	4.7	50
230	Intercalation of Nanosized Fe <sub>3</sub> C in Iron/Carbon To Construct Multifunctional Interface with Reduction, Catalysis, Corrosion Resistance, and Immobilization Capabilities. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15709-15717.	8.0	50
231	Chlorination and chloramination of high-bromide natural water: DBPs species transformation. <i>Separation and Purification Technology</i> , 2013, 102, 86-93.	7.9	49
232	Antimony oxidation and adsorption by in-situ formed biogenic Mn oxide and Fe-Mn oxides. <i>Journal of Environmental Sciences</i> , 2017, 54, 126-134.	6.1	49
233	Rapidly catalysis of oxygen evolution through sequential engineering of vertically layered FeNi structure. <i>Nano Energy</i> , 2018, 43, 359-367.	16.0	49
234	Effect of liquid property on adsorption and catalytic reduction of nitrate over hydrotalcite-supported Pd-Cu catalyst. <i>Journal of Molecular Catalysis A</i> , 2007, 272, 31-37.	4.8	48

#	ARTICLE	IF	CITATIONS
235	Mn(VII)â€Fe(II) pre-treatment for Microcystis aeruginosa removal by Al coagulation: Simultaneous enhanced cyanobacterium removal and residual coagulant control. <i>Water Research</i> , 2014, 65, 73-84.	11.3	48
236	Engineering Carbon Nanotube Forest Superstructure for Robust Thermal Desalination Membranes. <i>Advanced Functional Materials</i> , 2019, 29, 1903125.	14.9	48
237	Capillary-Flow-Optimized Heat Localization Induced by an Air-Enclosed Three-Dimensional Hierarchical Network for Elevated Solar Evaporation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9974-9983.	8.0	48
238	Insight into the Key Role of Cr Intermediates in the Efficient and Simultaneous Degradation of Organic Contaminants and Cr(VI) Reduction via g-C<sub>3</sub>N<sub>4</sub>-Assisted Photocatalysis. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3552-3563.	10.0	48
239	Microwave electrodeless lamp photolytic degradation of acid orange 7. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 26-33.	3.9	47
240	Photoassisted Degradation of Azodyes over FeOxH2x-3/FeO in the Presence of H2O2 at Neutral pH Values. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4715-4719.	10.0	47
241	Permanganate oxidation of diclofenac: The pH-dependent reaction kinetics and a ring-opening mechanism. <i>Chemosphere</i> , 2015, 136, 297-304.	8.2	47
242	Coagulation behaviors of aluminum salts towards fluoride: Significance of aluminum speciation and transformation. <i>Separation and Purification Technology</i> , 2016, 165, 137-144.	7.9	47
243	An effective method for improving electrocoagulation process: Optimization of Al 13 polymer formation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 489, 234-240.	4.7	46
244	Facile Dispersion of Nanosized NiFeP for Highly Effective Catalysis of Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7206-7211.	6.7	46
245	Fe(II)-regulated moderate pre-oxidation of Microcystis aeruginosa and formation of size-controlled algae flocs for efficient flotation of algae cell and organic matter. <i>Water Research</i> , 2018, 137, 57-63.	11.3	46
246	Enhanced Photoelectrocatalytic Decomposition of Copper Cyanide Complexes and Simultaneous Recovery of Copper with a Bi<sub>2</sub>MoO<sub>6</sub> Electrode under Visible Light by EDTA/K<sub>4</sub>P<sub>2</sub>O<sub>7</sub>. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4567-4574.	10.0	45
247	Electrically Poreâ€Sizeâ€Tunable Polypyrrole Membrane for Antifouling and Selective Separation. <i>Advanced Functional Materials</i> , 2019, 29, 1903081.	14.9	45
248	Synchronous Reductionâ€Oxidation Process for Efficient Removal of Trichloroacetic Acid: H* Initiates Dechlorination and Â•OH Is Responsible for Removal Efficiency. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14586-14594.	10.0	45
249	Role of the Mg/Al atomic ratio in hydrotalcite-supported Pd/Sn catalysts for nitrate adsorption and hydrogenation reduction. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 151-157.	9.4	44
250	Photocatalytic mineralisation of herbicide 2,4,5-trichlorophenoxyacetic acid: enhanced performance by triple junction Cuâ€TiO<sub>2</sub>â€Cu<sub>2</sub>O and the underlying reaction mechanism. <i>New Journal of Chemistry</i> , 2015, 39, 314-320.	2.8	44
251	Photoelectrocatalytic Oxidation of Cu-cyanides and Cu-EDTA at TiO2 nanotube electrode. <i>Electrochimica Acta</i> , 2015, 180, 129-137.	5.2	44
252	Practical performance and its efficiency of arsenic removal from groundwater using Fe-Mn binary oxide. <i>Journal of Environmental Sciences</i> , 2010, 22, 1-6.	6.1	43

#	ARTICLE	IF	CITATIONS
253	Electric Double-Layer Effects Induce Separation of Aqueous Metal Ions. ACS Nano, 2015, 9, 10922-10930.	14.6	43
254	Comparing the adsorption behaviors of Cd, Cu and Pb from water onto Fe-Mn binary oxide, MnO <sub>2</sub> and FeOOH. Frontiers of Environmental Science and Engineering, 2015, 9, 385-393.	6.0	43
255	Nitrate electro-sorption/reduction in capacitive deionization using a novel Pd/NiAl-layered metal oxide film electrode. Chemical Engineering Journal, 2018, 335, 475-482.	12.7	43
256	Effects of protein properties on ultrafiltration membrane fouling performance in water treatment. Journal of Environmental Sciences, 2019, 77, 273-281.	6.1	43
257	Simultaneous Phenol Removal and Resource Recovery from Phenolic Wastewater by Electrocatalytic Hydrogenation. Environmental Science & Technology, 2022, 56, 4356-4366.	10.0	43
258	Nitrobenzene biodegradation ability of microbial communities in water and sediments along the Songhua River after a nitrobenzene pollution event. Journal of Environmental Sciences, 2008, 20, 778-786.	6.1	42
259	Treatment of dye wastewater with permanganate oxidation and in situ formed manganese dioxides adsorption: Cation blue as model pollutant. Journal of Hazardous Materials, 2010, 176, 926-931.	12.4	42
260	As(III) Oxidation by Active Chlorine and Subsequent Removal of As(V) by Al <sub>13</sub> Polymer Coagulation Using a Novel Dual Function Reagent. Environmental Science & Technology, 2012, 46, 6776-6782.	10.0	42
261	Visible-Light Induced Photocatalytic Activity of Electrospun-TiO <sub>2</sub> in Arsenic(III) Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 511-518.	8.0	42
262	Porous Nanobimetallic Fe-Mn Cubes with High Valent Mn and Highly Efficient Removal of Arsenic(III). ACS Applied Materials & Interfaces, 2017, 9, 14868-14877.	8.0	42
263	Removal of natural organic matter for controlling disinfection by-products formation by enhanced coagulation: A case study. Separation and Purification Technology, 2012, 84, 41-45.	7.9	41
264	Augmentation of protein-derived acetic acid production by heat-alkaline-induced changes in protein structure and conformation. Water Research, 2016, 88, 595-603.	11.3	41
265	Review on heterogeneous oxidation and adsorption for arsenic removal from drinking water. Journal of Environmental Sciences, 2021, 110, 178-188.	6.1	41
266	Relationship of energy charge and toxin content of Microcystis aeruginosa in nitrogen-limited or phosphorous-limited cultures. Toxicon, 2008, 51, 649-658.	1.6	40
267	Characterization and adsorption performance of Zr-doped akaganite for efficient arsenic removal. Journal of Chemical Technology and Biotechnology, 2013, 88, 629-635.	3.2	40
268	Cooperative Mn(II) oxidation between two bacterial strains in an aquatic environment. Water Research, 2016, 89, 252-260.	11.3	40
269	Ultrafiltration membrane fouling induced by humic acid with typical inorganic salts. Chemosphere, 2018, 197, 793-802.	8.2	40
270	Oxidation of iopamidol with ferrate (Fe(VI)): Kinetics and formation of toxic iodinated disinfection by-products. Water Research, 2018, 130, 200-207.	11.3	40



#	ARTICLE	IF	CITATIONS
271	Enhancement of anti-fouling and contaminant removal in an electro-membrane bioreactor: Significance of electrocoagulation and electric field. <i>Separation and Purification Technology</i> , 2020, 248, 117077.	7.9	40
272	Polyethylene microplastics interfere with the nutrient cycle in water-plant-sediment systems. <i>Water Research</i> , 2022, 214, 118191.	11.3	40
273	Photoelectrochemical degradation of Methylene Blue with $\text{PbO}_2$ electrodes driven by visible light irradiation. <i>Journal of Environmental Sciences</i> , 2011, 23, 998-1003.	6.1	39
274	Adsorption behavior of sulfamethazine in an activated sludge process treating swine wastewater. <i>Journal of Environmental Sciences</i> , 2014, 26, 1623-1629.	6.1	39
275	Enhanced oxidative and adsorptive capability towards antimony by copper-doping into magnetite magnetic particles. <i>RSC Advances</i> , 2016, 6, 66990-67001.	3.6	39
276	Microbe-microbe interactions trigger Mn(II)-oxidizing gene expression. <i>ISME Journal</i> , 2017, 11, 67-77.	9.8	39
277	Multiple dynamic Al-based floc layers on ultrafiltration membrane surfaces for humic acid and reservoir water fouling reduction. <i>Water Research</i> , 2018, 139, 291-300.	11.3	39
278	Synergetic Hydroxyl Radical Oxidation with Atomic Hydrogen Reduction Lowers the Organochlorine Conversion Barrier and Potentiates Effective Contaminant Mineralization. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3296-3304.	10.0	39
279	Adsorption and reduction of nitrate in water on hydrotalcite-supported Pd-Cu catalyst. <i>Catalysis Today</i> , 2007, 126, 476-482.	4.4	38
280	Simultaneous surface-adsorbed organic matter desorption and cell integrity maintenance by moderate prechlorination to enhance <i>Microcystis aeruginosa</i> removal in $\text{KMnO}_4/\text{Fe(II)}$ process. <i>Water Research</i> , 2016, 105, 551-558.	11.3	38
281	Solvothermal synthesis of BiOI flower-like microspheres for efficient photocatalytic degradation of BPA under visible light irradiation. <i>Catalysis Communications</i> , 2017, 98, 9-12.	3.3	38
282	Three-Dimensional Analysis of the Natural-Organic-Matter Distribution in the Cake Layer to Precisely Reveal Ultrafiltration Fouling Mechanisms. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5442-5452.	10.0	38
283	Persistence of SARS-CoV-2 RNA in wastewater after the end of the COVID-19 epidemics. <i>Journal of Hazardous Materials</i> , 2022, 429, 128358.	12.4	38
284	Simultaneous determination of typical substituted and parent polycyclic aromatic hydrocarbons in water and solid matrix by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1291, 129-136.	3.7	37
285	Cerium incorporated MCM-48 (Ce-MCM-48) as a catalyst to inhibit bromate formation during ozonation of bromide-containing water: Efficacy and mechanism. <i>Water Research</i> , 2015, 86, 2-8.	11.3	37
286	AuPd/Fe $3\text{O}_4$ -based three-dimensional electrochemical system for efficiently catalytic degradation of 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Electrochimica Acta</i> , 2015, 186, 328-336.	5.2	37
287	Enhanced antimony(V) removal using synergistic effects of Fe hydrolytic flocs and ultrafiltration membrane with sludge discharge evaluation. <i>Water Research</i> , 2017, 121, 171-177.	11.3	37
288	Zinc Substitution-Induced Subtle Lattice Distortion Mediates the Active Center of Cobalt Diselenide Electrocatalysts for Enhanced Oxygen Evolution. <i>Small</i> , 2020, 16, e1907001.	10.0	37

#	ARTICLE	IF	CITATIONS
289	Fe(VI)-assisted photocatalytic degradating of microcystin-LR using titanium dioxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 178, 106-111.	3.9	36
290	Effects of copper(II) and copper oxides on THMs formation in copper pipe. <i>Chemosphere</i> , 2007, 68, 2153-2160.	8.2	36
291	Removal of dieldrin from aqueous solution by a novel triolein-embedded composite adsorbent. <i>Journal of Hazardous Materials</i> , 2007, 141, 61-69.	12.4	36
292	Efficient Nitrate Reduction in a Fluidized Electrochemical Reactor Promoted by Pd@Sn/AC Particles. <i>Catalysis Letters</i> , 2016, 146, 91-99.	2.6	36
293	Pore Structure-Dependent Mass Transport in Flow-through Electrodes for Water Remediation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7477-7485.	10.0	36
294	Effects of bromide on the formation and transformation of disinfection by-products during chlorination and chloramination. <i>Science of the Total Environment</i> , 2018, 625, 252-261.	8.0	35
295	Cu(II)-catalyzed THM formation during water chlorination and monochloramination: A comparison study. <i>Journal of Hazardous Materials</i> , 2009, 170, 58-65.	12.4	34
296	Defluoridation by Al-based coagulation and adsorption: Species transformation of aluminum and fluoride. <i>Separation and Purification Technology</i> , 2015, 148, 68-75.	7.9	34
297	Enhanced formation of bromate and brominated disinfection byproducts during chlorination of bromide-containing waters under catalysis of copper corrosion products. <i>Water Research</i> , 2016, 98, 302-308.	11.3	34
298	Synergistic process using Fe hydrolytic flocs and ultrafiltration membrane for enhanced antimony(V) removal. <i>Journal of Membrane Science</i> , 2017, 537, 93-100.	8.2	34
299	Strongly coupled polyoxometalates/oxygen doped g-C <sub>3</sub> N <sub>4</sub> nanocomposites as Fenton-like catalysts for efficient photodegradation of sulfosalicylic acid. <i>Catalysis Communications</i> , 2018, 112, 63-67.	3.3	34
300	Fungal Community as a Bioindicator to Reflect Anthropogenic Activities in a River Ecosystem. <i>Frontiers in Microbiology</i> , 2018, 9, 3152.	3.5	34
301	In Situ Creation of Oxygen Vacancies in Porous Bimetallic La/Zr Sorbent for Aqueous Phosphate: Hierarchical Pores Control Mass Transport and Vacancy Sites Determine Interaction. <i>Environmental Science &amp; Technology</i> , 2020, 54, 437-445.	10.0	34
302	Effect of manganese ion on the mineralization of 2,4-dichlorophenol by ozone. <i>Chemosphere</i> , 2008, 72, 1006-1012.	8.2	33
303	The influence of colloids on the geochemical behavior of metals in polluted water using as an example Yongdingxin River, Tianjin, China. <i>Chemosphere</i> , 2010, 78, 360-367.	8.2	33
304	Removal of bentazone from micro-polluted water using MIEX resin: Kinetics, equilibrium, and mechanism. <i>Journal of Environmental Sciences</i> , 2011, 23, 381-387.	6.1	33
305	Arsenic removal from a high-arsenic wastewater using in situ formed Fe@Mn binary oxide combined with coagulation by poly-aluminum chloride. <i>Journal of Hazardous Materials</i> , 2011, 185, 990-995.	12.4	33
306	Biological catalyzed denitrification by a functional electropolymerization biocarrier modified by redox mediator. <i>Bioresource Technology</i> , 2012, 107, 144-150.	9.6	33

#	ARTICLE	IF	CITATIONS
307	Enhanced efficiency in HA removal by electrocoagulation through optimizing flocs properties: Role of current density and pH. Separation and Purification Technology, 2017, 175, 248-254.	7.9	33
308	Tungsten-Assisted Phase Tuning of Molybdenum Carbide for Efficient Electrocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 2451-2459.	8.0	33
309	Application of Integrated Bioelectrochemical-Wetland Systems for Future Sustainable Wastewater Treatment. Environmental Science & Technology, 2019, 53, 1741-1743.	10.0	33
310	SARS-CoV-2 spillover into hospital outdoor environments. Journal of Hazardous Materials Letters, 2021, 2, 100027.	3.6	33
311	Catalytic sterilization of Escherichia coli K 12 on Ag/Al <sub>2</sub> O <sub>3</sub> surface. Journal of Inorganic Biochemistry, 2007, 101, 817-823.	3.5	32
312	Arsenic release from arsenic-bearing Fe-Mn binary oxide: Effects of Eh condition. Chemosphere, 2011, 83, 1020-1027.	8.2	32
313	Iron-incorporated mesoporous silica for enhanced adsorption of tetracycline in aqueous solution. RSC Advances, 2015, 5, 42407-42413.	3.6	32
314	Degradation of nitro-based pharmaceuticals by UV photolysis: Kinetics and simultaneous reduction on halonitromethanes formation potential. Water Research, 2017, 119, 83-90.	11.3	32
315	The removal efficiency and insight into the mechanism of para arsanilic acid adsorption on Fe-Mn framework. Science of the Total Environment, 2017, 601-602, 713-722.	8.0	32
316	Electrochemical oxidation of ammonia accompanied with electricity generation based on reverse electrodiolysis. Electrochimica Acta, 2018, 269, 128-135.	5.2	32
317	Interfacial Engineering of SeO Ligands on Tellurium Featuring Synergistic Functionalities of Bond Activation and Chemical States Buffering toward Electrocatalytic Conversion of Nitrogen to Ammonia. Advanced Science, 2019, 6, 1901627.	11.2	32
318	Removal of micropollutants and cyanobacteria from drinking water using KMnO <sub>4</sub> pre-oxidation coupled with bioaugmentation. Chemosphere, 2019, 215, 1-7.	8.2	32
319	Enhanced phosphate removal using zirconium hydroxide encapsulated in quaternized cellulose. Journal of Environmental Sciences, 2020, 89, 102-112.	6.1	32
320	Fouling mitigation of a graphene hydrogel membrane electrode by electrical repulsion and in situ self-cleaning in an electro-membrane reactor. Chemical Engineering Journal, 2020, 393, 124817.	12.7	32
321	Manganese oxides in Phragmites rhizosphere accelerates ammonia oxidation in constructed wetlands. Water Research, 2021, 205, 117688.	11.3	32
322	Promoted oxidation of diclofenac with ferrate (Fe(VI)): Role of ABTS as the electron shuttle. Journal of Hazardous Materials, 2017, 336, 65-70.	12.4	32
323	An efficient electron transfer at the FeO/iron oxide interface for the photoassisted degradation of pollutants with H <sub>2</sub> O <sub>2</sub> . Applied Catalysis B: Environmental, 2008, 82, 151-156.	20.2	31
324	Electrochemical incineration of dimethyl phthalate by anodic oxidation with boron-doped diamond electrode. Journal of Environmental Sciences, 2009, 21, 1321-1328.	6.1	31

#	ARTICLE	IF	CITATIONS
325	Effect of dosage strategy on Al-humic flocs growth and re-growth. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 404, 106-111.	4.7	31
326	Deiodination of iopamidol by zero valent iron (ZVI) enhances formation of iodinated disinfection by-products during chloramination. <i>Water Research</i> , 2018, 129, 319-326.	11.3	31
327	Electrochemical-Osmotic Process for Simultaneous Recovery of Electric Energy, Water, and Metals from Wastewater. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8430-8442.	10.0	31
328	Impact of microplastics on the foraging, photosynthesis and digestive systems of submerged carnivorous macrophytes under low and high nutrient concentrations. <i>Environmental Pollution</i> , 2022, 292, 118220.	7.5	31
329	Arsenic(III,V) Adsorption on Iron-Oxide-Coated Manganese Sand and Quartz Sand: Comparison of Different Carriers and Adsorption Capacities. <i>Environmental Engineering Science</i> , 2011, 28, 643-651.	1.6	30
330	Characterization of flocs generated by preformed and in situ formed Al13 polymer. <i>Chemical Engineering Journal</i> , 2012, 197, 10-15.	12.7	30
331	Facile Synthesis of Graphite-Reduced Graphite Oxide Core-Shell Fiber via Direct Exfoliation of Carbon Fiber for Supercapacitor Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9496-9502.	8.0	30
332	Highly Efficient AuPd/Carbon Nanotube Nanocatalysts for the Electro-Fenton Process. <i>Chemistry - A European Journal</i> , 2015, 21, 7611-7620.	3.3	30
333	Coagulation of methylated arsenic from drinking water: Influence of methyl substitution. <i>Journal of Hazardous Materials</i> , 2015, 293, 97-104.	12.4	30
334	Isotopic and chemical evidence for nitrate sources and transformation processes in a plateau lake basin in Southwest China. <i>Science of the Total Environment</i> , 2020, 711, 134856.	8.0	30
335	Reversible superwettability switching of a conductive polymer membrane for oil-water separation and self-cleaning. <i>Journal of Membrane Science</i> , 2020, 605, 118088.	8.2	30
336	Pre-oxidation enhanced cyanobacteria removal in drinking water treatment: A review. <i>Journal of Environmental Sciences</i> , 2021, 110, 160-168.	6.1	30
337	Combination of electroreduction with biosorption for enhancement for removal of hexavalent chromium. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 147-153.	9.4	29
338	Faceted TiO2 photocatalytic degradation of anthraquinone in aquatic solution under solar irradiation. <i>Science of the Total Environment</i> , 2019, 688, 592-599.	8.0	29
339	Microfluidic-enhanced 3-D photoanodes with free interfacial energy barrier for photoelectrochemical applications. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 740-747.	20.2	29
340	Enhanced alleviation of ultrafiltration membrane fouling by regulating cake layer thickness with pre-coagulation during drinking water treatment. <i>Journal of Membrane Science</i> , 2020, 596, 117732.	8.2	29
341	Arrayed Cobalt Phosphide Electrocatalyst Achieves Low Energy Consumption and Persistent H2 Liberation from Anodic Chemical Conversion. <i>Nano-Micro Letters</i> , 2020, 12, 154.	27.0	29
342	Interface-modulated nanojunction and microfluidic platform for photoelectrocatalytic chemicals upgrading. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119541.	20.2	29

#	ARTICLE	IF	CITATIONS
343	Characterization of dissolved organic matter fractions and its relationship with the disinfection by-product formation. <i>Journal of Environmental Sciences</i> , 2009, 21, 54-61.	6.1	28
344	Effects of fluoride on coagulation performance of aluminum chloride towards Kaolin suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 421, 84-90.	4.7	28
345	Simultaneous removal of arsenic and fluoride by freshly-prepared aluminum hydroxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 466, 147-153.	4.7	28
346	Formation of oxygenated polycyclic aromatic hydrocarbons from polycyclic aromatic hydrocarbons during aerobic activated sludge treatment and their removal process. <i>Chemical Engineering Journal</i> , 2016, 302, 50-57.	12.7	28
347	Fabrication of FeOOH hollow microboxes for purification of heavy metal-contaminated water. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9437-9445.	2.8	28
348	Impact of upgrading wastewater treatment plant on the removal of typical methyl, oxygenated, chlorinated and parent polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , 2017, 603-604, 140-147.	8.0	28
349	Impact of inner-wall reflection on UV reactor performance as evaluated by using computational fluid dynamics: The role of diffuse reflection. <i>Water Research</i> , 2017, 109, 382-388.	11.3	28
350	Intensification of anodic charge transfer by contaminant degradation for efficient H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10297-10303.	10.3	28
351	One-step exfoliation of polymeric C <sub>3</sub> N <sub>4</sub> by atmospheric oxygen doping for photocatalytic persulfate activation. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 455-462.	9.4	28
352	Optimum conditions for Al <sub>13</sub> polymer formation in PACl preparation by electrolysis process. <i>Chemosphere</i> , 2004, 55, 51-56.	8.2	27
353	Aluminum speciation of coagulants with low concentration: Analysis by electrospray ionization mass spectrometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 379, 43-50.	4.7	27
354	Formation of disinfection by-products in the chlorination of ammonia-containing effluents: Significance of Cl <sub>2</sub> /N ratios and the DOM fractions. <i>Journal of Hazardous Materials</i> , 2011, 190, 645-651.	12.4	27
355	Efficient design principle for interfacial charge separation in hydrogen-intercalated nonstoichiometric oxides. <i>Nano Energy</i> , 2018, 53, 887-897.	16.0	27
356	A salt-rejecting anisotropic structure for efficient solar desalination via heat-mass flux decoupling. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12089-12096.	10.3	27
357	Spatial variation of dissolved organic nitrogen in Wuhan surface waters: Correlation with the occurrence of disinfection byproducts during the COVID-19 pandemic. <i>Water Research</i> , 2021, 198, 117138.	11.3	27
358	Enhanced destruction of Cu(CN) <sub>2</sub> by H <sub>2</sub> O <sub>2</sub> under alkaline conditions in the presence of EDTA/pyrophosphate. <i>Chemical Engineering Journal</i> , 2014, 253, 478-485.	12.7	26
359	Chlorination of tramadol: Reaction kinetics, mechanism and genotoxicity evaluation. <i>Chemosphere</i> , 2015, 141, 282-289.	8.2	26
360	Biomolecule-assisted synthesis of defect-mediated Cd <sub>1-x</sub> Zn <sub>x</sub> S/MoS <sub>2</sub> /graphene hollow spheres for highly efficient hydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16208-16215.	2.8	26

#	ARTICLE	IF	CITATIONS
361	Enhancing destruction of copper (I) cyanide and subsequent recovery of Cu(I) by a novel electrochemical system combining activated carbon fiber and stainless steel cathodes. <i>Chemical Engineering Journal</i> , 2017, 330, 1187-1194.	12.7	26
362	Low electronegativity Mn bulk doping intensifies charge storage of Ni <sub>2</sub> P redox shuttle for membrane-free water electrolysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4073-4082.	10.3	26
363	Microbial community structures and functions of hypersaline heterotrophic denitrifying process: Lab-scale and pilot-scale studies. <i>Bioresource Technology</i> , 2020, 310, 123244.	9.6	26
364	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell Membrane Destructive Stresses and Enables Rapid Sterilization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7744-7751.	13.8	26
365	A dual-biomimetic photocatalytic fuel cell for efficient electricity generation from degradation of refractory organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120501.	20.2	26
366	Fragmentation of typical sulfonamide drugs via heterolytic bond cleavage and stepwise rearrangement. <i>RSC Advances</i> , 2014, 4, 48426-48432.	3.6	25
367	Reaction of aqueous Cu-Citrate with MnO <sub>2</sub> birnessite: Characterization of Mn dissolution, oxidation products and surface interactions. <i>Chemosphere</i> , 2015, 119, 1-7.	8.2	25
368	Macroporous monolithic Magn <sup>Al</sup> -phase titanium suboxides as anode material for effective bioelectricity generation in microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18002-18007.	10.3	25
369	New insights into the surface-dependent activity of graphitic felts for the electro-generation of H <sub>2</sub> O <sub>2</sub> . <i>Applied Surface Science</i> , 2020, 509, 144875.	6.1	25
370	The formation and distribution of haloacetic acids in copper pipe during chlorination. <i>Journal of Hazardous Materials</i> , 2008, 152, 250-258.	12.4	24
371	Ionic Liquid Assisted Electrospun Cellulose Acetate Fibers for Aqueous Removal of Triclosan. <i>Langmuir</i> , 2015, 31, 1820-1827.	3.5	24
372	Effect of aluminum speciation on ultrafiltration membrane fouling by low dose aluminum coagulation with bovine serum albumin (BSA). <i>Journal of Membrane Science</i> , 2015, 492, 88-94.	8.2	24
373	Membrane fouling reduction through electrochemically regulating flocs aggregation in an electro-coagulation membrane reactor. <i>Journal of Environmental Sciences</i> , 2019, 83, 144-151.	6.1	24
374	Optimization of a Hierarchical Porous-Structured Reactor to Mitigate Mass Transport Limitations for Efficient Electrocatalytic Ammonia Oxidation through a Three-Electron-Transfer Pathway. <i>Environmental Science &amp; Technology</i> , 2021, 55, 12596-12606.	10.0	24
375	Effect of iron/aluminum hydrolyzed precipitate layer on ultrafiltration membrane. <i>Desalination</i> , 2013, 330, 16-21.	8.2	23
376	Electrochemical Reduction of Bromate by a Pd Modified Carbon Fiber Electrode: Kinetics and Mechanism. <i>Electrochimica Acta</i> , 2014, 132, 151-157.	5.2	23
377	Confining Free Radicals in Close Vicinity to Contaminants Enables Ultrafast Fenton-Like Processes in the Interspacing of MoS <sub>2</sub> Membranes. <i>Angewandte Chemie</i> , 2019, 131, 8218-8222.	2.0	23
378	Spatiotemporal variation and risk assessment of phthalate acid esters (PAEs) in surface water of the Yangtze River Basin, China. <i>Science of the Total Environment</i> , 2022, 836, 155677.	8.0	23

#	ARTICLE	IF	CITATIONS
379	Bactericidal Activity of a Ce-Promoted Ag/AlPO <sub>4</sub> Catalyst Using Molecular Oxygen in Water. <i>Environmental Science &amp; Technology</i> , 2008, 42, 1699-1704.	10.0	22
380	Polycyclic aromatic hydrocarbons in effluents from wastewater treatment plants and receiving streams in Tianjin, China. <i>Environmental Monitoring and Assessment</i> , 2011, 177, 467-480.	2.7	22
381	Magnetically Confined Fe-Mn Bimetallic Oxide Encapsulation as an Efficient and Recoverable Adsorbent for Arsenic(III) Removal. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 323-331.	2.3	22
382	Modulation of cation trans-membrane transport in GO-MoS <sub>2</sub> membranes through simultaneous control of interlayer spacing and ion-nanochannel interactions. <i>Chemosphere</i> , 2019, 222, 156-164.	8.2	22
383	Tracking Internal Electron Shuttle Using X-ray Spectroscopies in La/Zr Hydroxide for Reconciliation of Charge-Transfer Interaction and Coordination toward Phosphate. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24699-24706.	8.0	22
384	NOM fouling resistance in response to electric field during electro-ultrafiltration: Significance of molecular polarity and weight. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 11-18.	9.4	22
385	Sedimentary ancient DNA metabarcoding delineates the contrastingly temporal change of lake cyanobacterial communities. <i>Water Research</i> , 2020, 183, 116077.	11.3	22
386	Oxygenated polycyclic aromatic hydrocarbons in the surface water environment: Occurrence, ecotoxicity, and sources. <i>Environment International</i> , 2022, 163, 107232.	10.0	22
387	Recyclable Printed Circuit Boards and Alkali Reduction Wastewater: Approach to a Sustainable Copper-Based Metal-Organic Framework. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1371-1379.	6.7	21
388	Visualizing the Interfacial Charge Transfer between Photoactive <i>Microcystis aeruginosa</i> and Hydrogenated TiO <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2020, 54, 10323-10332.	10.0	21
389	Wastewater treatment plant upgrade induces the receiving river retaining bioavailable nitrogen sources. <i>Environmental Pollution</i> , 2020, 263, 114478.	7.5	21
390	Silicate Hindering In Situ Formed Ferric Hydroxide Precipitation: Inhibiting Arsenic Removal from Water. <i>Environmental Engineering Science</i> , 2007, 24, 707-715.	1.6	20
391	Phototransformation of nitrobenzene in the Songhua River: Kinetics and photoproduct analysis. <i>Journal of Environmental Sciences</i> , 2008, 20, 787-795.	6.1	20
392	Determination of rapid chlorination rate constants by a stopped-flow spectrophotometric competition kinetics method. <i>Water Research</i> , 2014, 55, 126-132.	11.3	20
393	Integrated Fe-based floc-membrane process for alleviating ultrafiltration membrane fouling by humic acid and reservoir water. <i>Journal of Membrane Science</i> , 2018, 563, 873-881.	8.2	20
394	Enhanced Photoreduction of Chromium(VI) Intercalated Ion Exchange in BiOBr <sub>0.75</sub> IO <sub>0.25</sub> Layers Structure by Bulk Charge Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2429-2436.	6.7	20
395	Electrocatalytic Reduction of Nitrate in Water with a Palladium-Modified Copper Electrode. <i>Water Environment Research</i> , 2006, 78, 724-729.	2.7	19
396	Adsorption and removal of arsenite on ordered mesoporous Fe-modified ZrO <sub>2</sub> . <i>Desalination and Water Treatment</i> , 2009, 8, 139-145.	1.0	19

#	ARTICLE	IF	CITATIONS
397	Efficient treatment of an electroplating wastewater containing heavy metal ions, cyanide, and organics by H <sub>2</sub> O <sub>2</sub> oxidation followed by the anodic Fenton process. <i>Water Science and Technology</i> , 2013, 68, 1329-1335.	2.5	19
398	Comparison of iron (III) and alum salt on ultrafiltration membrane fouling by alginate. <i>Desalination</i> , 2014, 354, 153-159.	8.2	19
399	Facet-dependent intermediate formation and reaction mechanism of photocatalytic removing hydrophobic anthracene under simulated solar irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 194-202.	20.2	19
400	Nanostructure-induced colored TiO <sub>2</sub> array photoelectrodes with full solar spectrum harvesting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3145-3151.	10.3	19
401	Investigating the effect of hardness cations on coagulation: The aspect of neutralisation through Al(III)-dissolved organic matter (DOM) binding. <i>Water Research</i> , 2017, 115, 22-28.	11.3	19
402	Antifouling by pre-deposited Al hydrolytic flocs on ultrafiltration membrane in the presence of humic acid and bovine serum albumin. <i>Journal of Membrane Science</i> , 2017, 538, 34-40.	8.2	19
403	Unravelling riverine microbial communities under wastewater treatment plant effluent discharge in large urban areas. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6755-6764.	3.6	19
404	Synergy of cyano groups and cobalt single atoms in graphitic carbon nitride for enhanced bio-denitrification. <i>Water Research</i> , 2022, 218, 118465.	11.3	19
405	Effect of preozonation on the characteristic transformation of fulvic acid and its subsequent trichloromethane formation potential: Presence or absence of bicarbonate. <i>Chemosphere</i> , 2008, 71, 1639-1645.	8.2	18
406	Preparation and evaluation of Zr-Î <sup>2</sup> -FeOOH for efficient arsenic removal. <i>Journal of Environmental Sciences</i> , 2013, 25, 815-822.	6.1	18
407	Preparation of hollow Fe-Al binary metal oxyhydroxide for efficient aqueous fluoride removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 580-589.	4.7	18
408	Light absorption modulation of novel Fe <sub>2</sub> TiO <sub>5</sub> inverse opals for photoelectrochemical water splitting. <i>New Journal of Chemistry</i> , 2017, 41, 7966-7971.	2.8	18
409	Benzophenone-4 Promotes the Growth of a <i>Pseudomonas</i> sp. and Biogenic Oxidation of Mn(II). <i>Environmental Science &amp; Technology</i> , 2018, 52, 1262-1269.	10.0	18
410	Synergetic Photocatalytic Pure Water Splitting and Self-Supplied Oxygen Activation by 2-D WO <sub>3</sub> /TiO <sub>2</sub> Heterostructures. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19902-19909.	6.7	18
411	Use of convertible flow cells to simulate the impacts of anthropogenic activities on river biofilm bacterial communities. <i>Science of the Total Environment</i> , 2019, 653, 148-156.	8.0	18
412	Machine learning approach identifies water sample source based on microbial abundance. <i>Water Research</i> , 2021, 199, 117185.	11.3	18
413	Insight into electroreductive activation process of peroxydisulfate for eliminating organic pollution: Essential role of atomic hydrogen. <i>Chemical Engineering Journal</i> , 2021, 426, 128355.	12.7	18
414	Removal of a type of endocrine disruptorsâ€”di-n-butyl phthalate from water by ozonation. <i>Journal of Environmental Sciences</i> , 2006, 18, 845-851.	6.1	17



#	ARTICLE	IF	CITATIONS
415	Study of a combined sulfur autotrophic with proton-exchange membrane electro-dialytic denitrification technology: Sulfate control and pH balance. <i>Bioresource Technology</i> , 2011, 102, 10803-10809.	9.6	17
416	PAH desorption from sediments with different contents of organic carbon from wastewater receiving rivers. <i>Environmental Science and Pollution Research</i> , 2011, 18, 346-354.	5.3	17
417	Melem-based derivatives as metal-free photocatalysts for simultaneous reduction of Cr(VI) and degradation of 5-Sulfosalicylic acid. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 162-171.	9.4	17
418	The effects of hydrogen peroxide pre-oxidation on ultrafiltration membrane biofouling alleviation in drinking water treatment. <i>Journal of Environmental Sciences</i> , 2018, 73, 117-126.	6.1	17
419	Preferential binding between intracellular organic matters and Al <sub>13</sub> polymer to enhance coagulation performance. <i>Journal of Environmental Sciences</i> , 2019, 76, 1-11.	6.1	17
420	Regioselective oxidation of tetracycline by permanganate through alternating susceptible moiety and increasing electron donating ability. <i>Journal of Environmental Sciences</i> , 2020, 87, 281-288.	6.1	17
421	Potassium-Ion Recovery with a Polypyrrole Membrane Electrode in Novel Redox Transistor Electro-dialysis. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4592-4600.	10.0	17
422	Improving ion rejection of graphene oxide conductive membranes by applying electric field. <i>Journal of Membrane Science</i> , 2020, 604, 118077.	8.2	17
423	A biomimetic absorbent for removal of trace level persistent organic pollutants from water. <i>Environmental Pollution</i> , 2007, 147, 337-342.	7.5	16
424	Electrochemical Degradation of Cyanobacterial Toxin Microcystin-LR Using Ti/RuO <sub>2</sub> Electrodes in a Continuous Tubular Reactor. <i>Environmental Engineering Science</i> , 2008, 25, 635-642.	1.6	16
425	Comparison of submerged coagulation and traditional coagulation on membrane fouling: Effect of active flocs. <i>Desalination</i> , 2013, 309, 11-17.	8.2	16
426	Aggregation and Dissociation of Aqueous Al <sub>13</sub> Induced by Fluoride Substitution. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6279-6287.	10.0	16
427	Capacitive deionization from reconstruction of NiCoAl-mixed metal oxide film electrode based on the "memory effect". <i>Applied Surface Science</i> , 2018, 459, 767-773.	6.1	16
428	Revealing Surface Charge Population on Flake-Like BiVO <sub>4</sub> Photocatalysts by Single Particle Imaging Spectroscopies. <i>ACS Applied Energy Materials</i> , 2021, 4, 2543-2551.	5.1	16
429	Environmental heterogeneity determines the response patterns of microbially mediated N-reduction processes to sulfamethoxazole in river sediments. <i>Journal of Hazardous Materials</i> , 2022, 421, 126730.	12.4	16
430	Simultaneous removal of aromatic pollutants and nitrate at high concentrations by hypersaline denitrification: Long-term continuous experiments investigation. <i>Water Research</i> , 2022, 216, 118292.	11.3	16
431	The biogeochemical responses of hyporheic groundwater to the long-run managed aquifer recharge: Linking microbial communities to hydrochemistry and micropollutants. <i>Journal of Hazardous Materials</i> , 2022, 431, 128587.	12.4	16
432	Photoelectrocatalytic degradation of organic contaminant at hybrid BDD-ZnWO <sub>4</sub> electrode. <i>Catalysis Communications</i> , 2010, 12, 76-79.	3.3	15

#	ARTICLE	IF	CITATIONS
433	Catalyzing denitrification of <i>Paracoccus versutus</i> by immobilized 1,5-dichloroanthraquinone. <i>Biodegradation</i> , 2012, 23, 399-405.	3.0	15
434	Comparison of the effects of aluminum and iron(III) salts on ultrafiltration membrane biofouling in drinking water treatment. <i>Journal of Environmental Sciences</i> , 2018, 63, 96-104.	6.1	15
435	Defect-enhanced photocatalytic removal of dimethylarsinic acid over mixed-phase mesoporous TiO <sub>2</sub> . <i>Journal of Environmental Sciences</i> , 2020, 91, 35-42.	6.1	15
436	Visualization of Electrochemically Accessible Sites in Flow-through Mode for Maximizing Available Active Area toward Superior Electrocatalytic Ammonia Oxidation. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9722-9731.	10.0	15
437	Mechanism of Cu(II)-catalyzed monochloramine decomposition in aqueous solution. <i>Science of the Total Environment</i> , 2009, 407, 4105-4109.	8.0	14
438	k-Value-based ferron assay and its application. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 44-49.	9.4	14
439	Arsenic Species Transformation and Transportation in Arsenic Removal by Fe-Mn Binary Oxide-Coated Diatomite: Pilot-Scale Field Study. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 1122-1127.	1.4	14
440	Enhanced Photodegradation of Toxic Pollutants on Plasmonic Au-Ag/Al <sub>2</sub> O <sub>3</sub> Under Visible Irradiation. <i>Catalysis Letters</i> , 2012, 142, 646-654.	2.6	14
441	Influence of sedimentation with pre-coagulation on ultrafiltration membrane fouling performance. <i>Science of the Total Environment</i> , 2020, 708, 134671.	8.0	14
442	Effects of a spatially heterogeneous nutrient distribution on the growth of clonal wetland plants. <i>BMC Ecology</i> , 2020, 20, 59.	3.0	14
443	The Phragmites Root-Inhabiting Microbiome: A Critical Review on Its Composition and Environmental Application. <i>Engineering</i> , 2022, 9, 42-50.	6.7	14
444	Profiling microbial removal of micropollutants in sand filters: Biotransformation pathways and associated bacteria. <i>Journal of Hazardous Materials</i> , 2022, 423, 127167.	12.4	14
445	Removal of pharmaceutical in a biogenic/chemical manganese oxide system driven by manganese-oxidizing bacteria with humic acids as sole carbon source. <i>Journal of Environmental Sciences</i> , 2023, 126, 734-741.	6.1	14
446	Preparation and characteristic of triolein-embedded composite sorbents for water purification. <i>Separation and Purification Technology</i> , 2005, 44, 37-43.	7.9	13
447	Development and application of innovative technologies for drinking water quality assurance in China. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 257-269.	0.8	13
448	Inspection of Feasible Calibration Conditions for $UV\text{-}Kl\text{-}KIO_3$ Actinometer. <i>Photochemistry and Photobiology</i> , 2015, 91, 68-73.	2.5	13
449	Natural eggshell membrane as separator for improved coulombic efficiency in air-cathode microbial fuel cells. <i>RSC Advances</i> , 2016, 6, 66147-66151.	3.6	13
450	Identification of Al <sub>13</sub> on the Colloid Surface Using Surface-Enhanced Raman Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2899-2906.	10.0	13

#	ARTICLE	IF	CITATIONS
451	Speciation matching mechanisms between orthophosphate and aluminum species during advanced P removal process. <i>Science of the Total Environment</i> , 2018, 642, 1311-1319.	8.0	13
452	Oxygen vacancy modulation of {010}-dominated TiO <sub>2</sub> for enhanced photodegradation of Sulfamethoxazole. <i>Catalysis Communications</i> , 2019, 118, 35-38.	3.3	13
453	Development of Amyloid-Fibrils-like Functional Materials from Both Anaerobically Digested Sludge and Waste Activated Sludge for Heavy Metal Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7795-7805.	6.7	13
454	Epilithic biofilm as a reservoir for functional virulence factors in wastewater-dominant rivers after WWTP upgrade. <i>Journal of Environmental Sciences</i> , 2021, 101, 27-35.	6.1	13
455	Electricity generation from salinity gradient to remove chromium using reverse electrodialysis coupled with electrocoagulation. <i>Electrochimica Acta</i> , 2021, 379, 138153.	5.2	13
456	Transformation of typical components in anaerobically digested sludge during its conditioning process by KMnO <sub>4</sub> . <i>Resources, Conservation and Recycling</i> , 2021, 171, 105657.	10.8	13
457	Microwave electrodeless lamp assisted catalytic degradation of X-GRL with manganese dioxides: Adsorption and manganese(IV) reductive dissolution effects. <i>Catalysis Today</i> , 2008, 139, 119-124.	4.4	12
458	Natural organic matter removal by coagulation: effect of kinetics and hydraulic power. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 21-30.	2.1	12
459	Arsenic Desorption from Ferric and Manganese Binary Oxide by Competitive Anions: Significance of pH. <i>Water Environment Research</i> , 2012, 84, 521-528.	2.7	12
460	Investigation of the property of kaolin-alum flocs at acidic pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 177-181.	4.7	12
461	Enhanced Oxidation of Tetracycline by Permanganate via the Alkali-Induced Alteration of the Highest Occupied Molecular Orbital and the Electrostatic Potential. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 4703-4708.	3.7	12
462	Simultaneous detection of chlorinated polycyclic aromatic hydrocarbons with polycyclic aromatic hydrocarbons by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3465-3473.	3.7	12
463	Influence of microbial community diversity and function on pollutant removal in ecological wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7293-7302.	3.6	12
464	Field-Enhanced Nanoconvection Accelerated Electrocatalytic Conversion of Water Contaminants and Electricity Generation. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2713-2719.	10.0	12
465	Manipulation of Neighboring Palladium and Mercury Atoms for Efficient *OH Transformation in Anodic Alcohol Oxidation and Cathodic Oxygen Reduction Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12677-12685.	8.0	12
466	Can radicals-orientated chemical oxidation improve the reduction of antibiotic resistance genes (ARGs) by mesophilic anaerobic digestion of sludge?. <i>Journal of Hazardous Materials</i> , 2022, 426, 128001.	12.4	12
467	Photoelectrochemical synergetic degradation of Acid Orange II with TiO <sub>2</sub> modified $\beta$ -PbO <sub>2</sub> electrode. <i>Science Bulletin</i> , 2005, 50, 1185-1190.	1.7	11
468	Fabrication of TiO <sub>2</sub> /Ti nanotube electrode and the photoelectrochemical behaviors in NaCl solutions. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1959-1964.	2.5	11

#	ARTICLE	IF	CITATIONS
469	Efficient Removal of Toxic Pollutants Over Fe <sup>2+</sup> /Co/ZrO <sub>2</sub> Bimetallic Catalyst with Ozone. <i>Catalysis Letters</i> , 2012, 142, 1026-1032.	2.6	11
470	Contribution of Fe <sub>3</sub> O <sub>4</sub> nanoparticles to the fouling of ultrafiltration with coagulation pre-treatment. <i>Scientific Reports</i> , 2015, 5, 13067.	3.3	11
471	Oxidative removal of quinclorac by permanganate through a rate-limiting [3 + 2] cycloaddition reaction. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 790-797.	3.5	11
472	Determination of pKa and the corresponding structures of quinclorac using combined experimental and theoretical approaches. <i>Journal of Molecular Structure</i> , 2018, 1152, 53-60.	3.6	11
473	Combining KMnO <sub>4</sub> pre-oxidation and bioaugmented sand filtration to simultaneously treat cyanobacterial bloom lake water and released Mn(II). <i>Separation and Purification Technology</i> , 2019, 228, 115765.	7.9	11
474	Denitrification enhancement by electro-sorption/reduction using a layered metal oxide electrode loaded with Pd-Cu nanoparticles. <i>Electrochemistry Communications</i> , 2020, 110, 106607.	4.7	11
475	Regulating Oriented Adsorption on Targeted Nickel Sites for Antibiotic Oxidation with Simultaneous Hydrogen Energy Recovery by a Direct Electrochemical Process. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18673-18682.	8.0	11
476	Coagulation behavior of aluminum salts in eutrophic water: significance of Al <sub>13</sub> species and pH control. <i>Environmental Science &amp; Technology</i> , 2006, 40, 325-31.	10.0	11
477	The influence of Cu(II) on the decay of monochloramine. <i>Chemosphere</i> , 2009, 74, 181-186.	8.2	10
478	Utilization of aluminum hydroxide waste generated in fluoride adsorption and coagulation processes for adsorptive removal of cadmium ion. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 467-476.	6.0	10
479	Effects of resource heterogeneity and environmental disturbance on the growth performance and interspecific competition of wetland clonal plants. <i>Global Ecology and Conservation</i> , 2020, 22, e00914.	2.1	10
480	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell Membrane Destructive Stresses and Enables Rapid Sterilization. <i>Angewandte Chemie</i> , 2021, 133, 7823-7830.	2.0	10
481	U.S.-China Collaboration is Vital to Global Plans for a Healthy Environment and Sustainable Development. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9622-9626.	10.0	10
482	Recovery trajectories and community resilience of biofilms in receiving rivers after wastewater treatment plant upgrade. <i>Environmental Research</i> , 2021, 199, 111349.	7.5	10
483	Synchronous Moderate Oxidation and Adsorption on the Surface of MnO <sub>2</sub> for Efficient Iodide Removal from Water. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9417-9427.	10.0	10
484	Hydrotalcite-supported Pd-Cu catalyst for nitrate adsorption and reduction from water. <i>Science Bulletin</i> , 2006, 51, 1431-1438.	9.0	9
485	Formation and distribution of disinfection by-products during chlorine disinfection in the presence of bromide ion. <i>Science Bulletin</i> , 2008, 53, 2717-2723.	9.0	9
486	Optimization of chlorine-based disinfection for the control of disinfection by-products formation and CODMn: A case study. <i>Chemical Engineering Journal</i> , 2012, 197, 116-122.	12.7	9

#	ARTICLE	IF	CITATIONS
487	Partitioning and sources of PAHs in wastewater receiving streams of Tianjin, China. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1847-1855.	2.7	9
488	Carbon harvesting from organic liquid wastes for heterotrophic denitrification: Feasibility evaluation and cost and energy optimization. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104782.	10.8	9
489	Effects of 1-hydroxyethane-(1,1-bisphosphonic acid) on heterotrophic denitrification performance: Impact of denitrifying microbial communities variation. <i>Chemical Engineering Journal</i> , 2020, 402, 126210.	12.7	9
490	Hotâ€Electronâ€Induced Photothermal Catalysis for Energyâ€Dependent Molecular Oxygen Activation. <i>Angewandte Chemie</i> , 2021, 133, 4922-4928.	2.0	9
491	Red mud supported on reduced graphene oxide as photo-Fenton catalysts for organic contaminant degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128461.	4.7	9
492	Fluorimetric Determination of Arsenite and Arsenate in Water Using Fluorescein and Iodine. <i>International Journal of Environmental Analytical Chemistry</i> , 2002, 82, 31-36.	3.3	8
493	Formation and transformation of Al <sub>13</sub> from freshly formed precipitate in partially neutralized Al(III) solution. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 41, 257-265.	2.4	8
494	Proportion of bromo-DBPs in total DBPs during reclaimed-water chlorination and its related influencing factors. <i>Science in China Series B: Chemistry</i> , 2008, 51, 1000-1008.	0.8	8
495	A Mini-Fluidic UV Photoreaction System for Bench-Scale Photochemical Studies. <i>Environmental Science and Technology Letters</i> , 2015, 2, 297-301.	8.7	8
496	Occurrence, distribution, and potential influencing factors of sewage sludge components derived from nine full-scale wastewater treatment plants of Beijing, China. <i>Journal of Environmental Sciences</i> , 2016, 45, 233-239.	6.1	8
497	Influence of floc charge and related distribution mechanisms of humic substances on ultrafiltration membrane behavior. <i>Journal of Membrane Science</i> , 2020, 609, 118260.	8.2	8
498	A promising treatment method for Cr(VI) detoxification and recovery by coupling FeO/Fe <sub>3</sub> C/C fine powders and circulating fluidized bed. <i>Chemical Engineering Journal</i> , 2020, 398, 125565.	12.7	8
499	Bioâ€electrochemical denitrification by a novel protonâ€exchange membrane electro dialysis systemâ€a batch mode study. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1540-1546.	3.2	7
500	Optimum conditions for the formation of Al <sub>13</sub> polymer and active chlorine in electrolysis process with Ti/RuO <sub>2</sub> -TiO <sub>2</sub> anodes. <i>Journal of Environmental Sciences</i> , 2012, 24, 297-302.	6.1	7
501	Combined genotoxicity of chlorinated products from tyrosine and benzophenone-4. <i>Journal of Hazardous Materials</i> , 2017, 322, 387-393.	12.4	7
502	Effect of pre-coagulation using different aluminium species on crystallization of cake layer and membrane fouling. <i>Npj Clean Water</i> , 2019, 2, .	8.0	7
503	Enhanced Production of in Situ Keggin Al <sub>13</sub> Polymer by a Combined Fe-Al Coagulation Process for the Treatment of High Alkalinity Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9544-9552.	6.7	7
504	Selection of water source for water transfer based on algal growth potential to prevent algal blooms. <i>Journal of Environmental Sciences</i> , 2021, 103, 246-254.	6.1	7

#	ARTICLE	IF	CITATIONS
505	Mixing regime shapes the community assembly process, microbial interaction and proliferation of cyanobacterial species <i>Planktothrix</i> in a stratified lake. <i>Journal of Environmental Sciences</i> , 2022, 115, 103-113.	6.1	7
506	Utilization of annealed aluminum hydroxide waste with incorporated fluoride for adsorptive removal of heavy metals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 95-104.	4.7	6
507	A layered aluminum-based metal-organic framework as a superior trap for nitrobenzene capture via an intercalation role. <i>Nanoscale</i> , 2020, 12, 6012-6019.	5.6	6
508	Roadmap for Managing SARS-CoV-2 and other Viruses in the Water Environment for Public Health. <i>Engineering</i> , 2021, , .	6.7	6
509	Comparison of Two Combined Bioelectrochemical and Sulfur Autotrophic Denitrification Processes for Drinking Water Treatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 1269-1284.	1.7	5
510	Species transformation and structure variation of fulvic acid during ozonation. <i>Science in China Series B: Chemistry</i> , 2008, 51, 373-378.	0.8	5
511	Pilot-scale treatment of waste-water from carbon production by a combined physical-chemical process. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 966-971.	3.2	5
512	Effect of chlorination and ozone pre-oxidation on the photobacteria acute toxicity for dissolved organic matter from sewage treatment plants. <i>Science China Chemistry</i> , 2010, 53, 2394-2398.	8.2	5
513	Species distribution of arsenic in sediments after an unexpected emergent discharge of high-arsenic wastewater into a river. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 568-578.	6.0	5
514	Microbial Interspecies Interactions Affect Arsenic Fate in the Presence of MnII. <i>Microbial Ecology</i> , 2017, 74, 788-794.	2.8	5
515	Siderophores provoke extracellular superoxide production by <i>Arthrobacter</i> strains during carbon sources-level fluctuation. <i>Environmental Microbiology</i> , 2022, 24, 894-904.	3.8	5
516	The effects of different nitrogen compounds on the growth and microcystin production of <i>Microcystis aeruginosa</i> . <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 277-284.	1.4	4
517	Probing Coagulation Behavior of Individual Aluminum Species for Removing Corresponding Disinfection Byproduct Precursors: The Role of Specific Ultraviolet Absorbance. <i>PLoS ONE</i> , 2016, 11, e0148020.	2.5	4
518	Micro-electrode system designed to determine H <sup>+</sup> concentration distribution at particle-water interface. <i>Science of the Total Environment</i> , 2019, 646, 544-550.	8.0	4
519	The International Conference on the Evolution of China Urban Water Environment & Ecology, 2019. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	4
520	Influence of floc dynamic protection layer on alleviating ultrafiltration membrane fouling induced by humic substances. <i>Journal of Environmental Sciences</i> , 2020, 90, 10-19.	6.1	4
521	Growth inhibition of <i>Microcystis aeruginosa</i> by sand-filter prevalent manganese-oxidizing bacterium. <i>Separation and Purification Technology</i> , 2021, 256, 117808.	7.9	4
522	Reusability of Al-F Hydroxide Precipitates Generated in Adsorption and Coagulation Treatment of Fluoride for Adsorptive Removal of Arsenic. <i>Environmental Engineering Science</i> , 2015, 32, 613-621.	1.6	3

#	ARTICLE	IF	CITATIONS
523	New Insight into and Characterization of the Aqueous Metal-Enol(ate) Complexes of (Acetonedicarboxylato)copper. ACS Omega, 2017, 2, 6728-6740.	3.5	3
524	Site-specific surface tailoring for metal ion selectivity <i>via</i> under-coordinated structure engineering. Nanoscale Horizons, 2018, 3, 632-639.	8.0	3
525	Assessing food web health with network topology and stability analysis in aquatic ecosystem. Ecological Indicators, 2020, 109, 105820.	6.3	3
526	Mechanism of species dynamics and interactions under impacts of artificial barriers in coastal areas. Ocean and Coastal Management, 2020, 190, 105166.	4.4	3
527	Removal of p-arsanilic acid and phenylarsonic acid from water by Fenton coagulation process: influence of substituted amino group. Environmental Science and Pollution Research, 2021, 28, 63319-63329.	5.3	3
528	Characterization on the formation mechanism of FeO/Fe <sub>3</sub> C/C nanostructure and its effect on PMS activation performance towards BPA degradation. Chemical Engineering Journal, 2022, 435, 134709.	12.7	3
529	Long-term direct ultrafiltration without chemical cleaning for purification of micro-polluted water in rural regions: Feasibility and application prospects. Chemical Engineering Journal, 2022, 443, 136531.	12.7	3
530	Coagulation properties of an electrochemically prepared polyaluminum chloride containing active chlorine. Science Bulletin, 2006, 51, 1955-1960.	1.7	2
531	Control of health risks in drinking water through point-of-use systems. Science Bulletin, 2009, 54, 1996-2001.	9.0	2
532	TiO <sub>2</sub> Microflowers Assembled by 6-nm Single-Crystal Stranded Wires with Improved Photoelectrochemical Performances. Electrochimica Acta, 2017, 250, 117-123.	5.2	2
533	Spatial distribution of flow currents and habitats in artificial buffer zones for ecosystem-based coastal engineering. Global Ecology and Conservation, 2019, 20, e00764.	2.1	2
534	Parent and Substitute Polycyclic Aromatic Hydrocarbon Reduction in Urban Riversâ€™ Benefits of the Energy Transition Policy from 2009 to 2017 in Beijing, China. ACS ES&T Water, 2021, 1, 815-824.	4.6	2
535	â€˜Blue Routeâ€™™ for combating climate change. National Science Review, 2021, 8, nwab099.	9.5	2
536	Do NH <sub>4</sub> <sup>+</sup> -N and AOB affect atenolol removal during simulated riverbank filtration?. Chemosphere, 2022, 301, 134653.	8.2	2
537	DENITRIFICATION OF DRINKING WATER BY A COMBINED PROCESS OF HETEROTROPHICATION AND ELECTROCHEMICAL AUTOTROPHICATION. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 651-665.	1.7	1
538	Novel synergic combinatorial photoelectrochemical technology for degradation of trace of 2-chlorophenol in drinking water. Science Bulletin, 2003, 48, 751-757.	1.7	1
539	Migration of manganese and iron during the adsorption-regeneration cycles for arsenic removal. Frontiers of Environmental Science and Engineering in China, 2011, 5, 512-518.	0.8	1
540	Modification of ultrafiltration membrane with iron/aluminum mixed hydrolyzed precipitate layer for humic acid fouling reduction. Desalination and Water Treatment, 2016, 57, 26022-26030.	1.0	1

