

# Jiuhui Qu

## List of Publications by Year in descending order

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547  
papers

36,016  
citations

2832

97  
h-index

8212

153  
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554  
all docs

554  
docs citations

554  
times ranked

32827  
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.	6.6	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.	1.2	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.	6.6	541
4	Preparation and evaluation of a novel Fe <sup>2+</sup> -Mn binary oxide adsorbent for effective arsenite removal. <i>Water Research</i> , 2007, 41, 1921-1928.	5.3	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.	15.6	532
6	Earth-Rich Transition Metal Phosphide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600087.	10.2	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.	7.2	419
8	Characteristics of microplastic removal via coagulation and ultrafiltration during drinking water treatment. <i>Chemical Engineering Journal</i> , 2019, 359, 159-167.	6.6	382
9	Research progress of novel adsorption processes in water purification: A review. <i>Journal of Environmental Sciences</i> , 2008, 20, 1-13.	3.2	369
10	Removal of phosphate from water by a Fe <sup>2+</sup> -Mn binary oxide adsorbent. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 168-174.	5.0	356
11	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. <i>Nanoscale</i> , 2015, 7, 1250-1269.	2.8	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.	5.3	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.	2.0	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.	4.6	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.	10.8	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.	1.7	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.	4.2	270
18	Adsorptive removal of phosphate by a nanostructured Fe-Al-Mn trimetal oxide adsorbent. <i>Powder Technology</i> , 2013, 233, 146-154.	2.1	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.	4.6	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.	2.0	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.	6.5	240
22	Municipal wastewater treatment in China: Development history and future perspectives. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	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.	3.9	236
24	Removal characteristics of microplastics by Fe-based coagulants during drinking water treatment. <i>Journal of Environmental Sciences</i> , 2019, 78, 267-275.	3.2	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.	4.6	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.	5.3	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.	5.0	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.	5.0	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.	5.3	220
30	Photocatalytic Degradation of Pathogenic Bacteria with AgI/TiO <sub>2</sub> under Visible Light Irradiation. <i>Langmuir</i> , 2007, 23, 4982-4987.	1.6	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.	5.2	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.	6.6	207
33	Catalytic Ozonation of Selected Pharmaceuticals over Mesoporous Alumina-Supported Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2525-2529.	4.6	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.	3.9	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.	4.6	200
36	Indirect Photodegradation of Amine Drugs in Aqueous Solution under Simulated Sunlight. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2760-2765.	4.6	195

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37	Adsorption behavior and mechanism of arsenate at Fe <sup>2+</sup> /Mn binary oxide/water interface. Journal of Hazardous Materials, 2009, 168, 820-825.	6.5	194
38	Effects of disinfectant and biofilm on the corrosion of cast iron pipes in a reclaimed water distribution system. Water Research, 2012, 46, 1070-1078.	5.3	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. Journal of Physical Chemistry C, 2010, 114, 2746-2750.	1.5	186
40	Visible-Light-Induced Photocatalytic Degradation of Azodyes in Aqueous AgI/TiO <sub>2</sub> Dispersion. Environmental Science & Technology, 2006, 40, 7903-7907.	4.6	180
41	Ultrathin water-stable metal-organic framework membranes for ion separation. Science Advances, 2020, 6, eaay3998.	4.7	179
42	Triggering surface oxygen vacancies on atomic layered molybdenum dioxide for a low energy consumption path toward nitrogen fixation. Nano Energy, 2019, 59, 10-16.	8.2	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. Applied Catalysis B: Environmental, 2016, 182, 504-512.	10.8	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. Journal of Hazardous Materials, 2007, 144, 180-186.	6.5	174
45	Enhanced Fenton degradation of Rhodamine B over nanoscaled Cu-doped LaTiO <sub>3</sub> perovskite. Applied Catalysis B: Environmental, 2012, 125, 418-424.	10.8	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> . Environmental Science & Technology, 2016, 50, 3829-3837.	4.6	169
47	Transformation of humic acid and halogenated byproduct formation in UV-chlorine processes. Water Research, 2016, 102, 421-427.	5.3	164
48	Formation of Bi <sub>2</sub> WO <sub>6</sub> Bipyramids with Vacancy Pairs for Enhanced Solar <sup>+</sup> Driven Photoactivity. Advanced Functional Materials, 2015, 25, 3726-3734.	7.8	155
49	Mineralization of an azo dye Acid Red 14 by photoelectro-Fenton process using an activated carbon fiber cathode. Applied Catalysis B: Environmental, 2008, 84, 393-399.	10.8	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. Journal of Hazardous Materials, 2017, 329, 193-204.	6.5	154
51	Improvement of metal adsorption onto chitosan/Sargassum sp. composite sorbent by an innovative ion-imprint technology. Water Research, 2011, 45, 145-154.	5.3	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. Environmental Science & Technology, 2013, 47, 4480-4488.	4.6	151
53	Heterogeneous photo-Fenton degradation of acid red B over Fe <sub>2</sub> O <sub>3</sub> supported on activated carbon fiber. Journal of Hazardous Materials, 2015, 285, 167-172.	6.5	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. Applied Catalysis B: Environmental, 2004, 48, 49-56.	10.8	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.	10.2	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.	5.5	146
57	Degradation of chloramphenicol by UV/chlorine treatment: Kinetics, mechanism and enhanced formation of halonitromethanes. <i>Water Research</i> , 2017, 121, 178-185.	5.3	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.	5.0	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.	10.8	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.	5.3	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.	6.5	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.	3.9	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.	5.3	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.	5.2	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.	10.8	131
66	Graphitic N in nitrogen-Doped carbon promotes hydrogen peroxide synthesis from electrocatalytic oxygen reduction. <i>Carbon</i> , 2020, 163, 154-161.	5.4	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.	5.3	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.	5.3	125
69	Removal of tetracycline from water by Fe-Mn binary oxide. <i>Journal of Environmental Sciences</i> , 2012, 24, 242-247.	3.2	125
70	Reactive, Self-Cleaning Ultrafiltration Membrane Functionalized with Iron Oxychloride Nanocatalysts. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8674-8683.	4.6	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.	4.6	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.	6.6	123

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73	Enhanced degradation of iopamidol by peroxymonosulfate catalyzed by two pipe corrosion products (CuO and $\gamma$ -MnO <sub>2</sub> ). <i>Water Research</i> , 2017, 112, 1-8.	5.3	123
74	Oxygen Doping to Optimize Atomic Hydrogen Binding Energy on NiCoP for Highly Efficient Hydrogen Evolution. <i>Small</i> , 2018, 14, e1800421.	5.2	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.	6.5	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.	7.8	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.	10.8	120
78	Photoelectrocatalytic Degradation of Triazine-Containing Azo Dyes at $\beta$ -Bi <sub>2</sub> MoO <sub>6</sub> Film Electrode under Visible Light Irradiation ( $\lambda$ > 420 Nm). <i>Environmental Science &amp; Technology</i> , 2007, 41, 6802-6807.	4.6	118
79	Characterization and Reactivity of MnO <sub>x</sub> Supported on Mesoporous Zirconia for Herbicide 2,4-D Mineralization with Ozone. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3363-3368.	4.6	118
80	Surface acidity and reactivity of $\gamma$ -FeOOH/Al <sub>2</sub> O <sub>3</sub> for pharmaceuticals degradation with ozone: In situ ATR-FTIR studies. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 340-346.	10.8	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.	2.3	117
82	Microplastic residues in wetland ecosystems: Do they truly threaten the plant-microbe-soil system?. <i>Environment International</i> , 2021, 156, 106708.	4.8	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.	5.0	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.	2.3	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.	2.3	112
86	$\gamma$ -Fe <sub>2</sub> O <sub>3</sub> 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.	5.2	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.	1.7	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.	10.8	109
89	Arsenate uptake and arsenite simultaneous sorption and oxidation by Fe-Mn binary oxides: Influence of Mn/Fe ratio, pH, Ca <sup>2+</sup> , and humic acid. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 141-146.	5.0	108
90	Carbon nanodot-modified FeOCl for photo-assisted Fenton reaction featuring synergistic in-situ H <sub>2</sub> O <sub>2</sub> production and activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118665.	10.8	108

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91	Effect of moderate pre-oxidation on the removal of <i>Microcystis aeruginosa</i> by KMnO <sub>4</sub> -Fe(II) process: Significance of the in-situ formed Fe(III). <i>Water Research</i> , 2012, 46, 73-81.	5.3	107
92	pH-Independent Production of Hydroxyl Radical from Atomic H <sup>*</sup> -Mediated Electrocatalytic H <sub>2</sub> O <sub>2</sub> Reduction: A Green Fenton Process without Byproducts. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14725-14731.	4.6	106
93	Interface Stabilization of Undercoordinated Iron Centers on Manganese Oxides for Nature-Inspired Peroxide Activation. <i>ACS Catalysis</i> , 2018, 8, 1090-1096.	5.5	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.	5.3	103
95	The progress of catalytic technologies in water purification: A review. <i>Journal of Environmental Sciences</i> , 2009, 21, 713-719.	3.2	102
96	Organic micropollutants in the Yangtze River: Seasonal occurrence and annual loads. <i>Science of the Total Environment</i> , 2014, 472, 789-799.	3.9	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.	5.3	102
98	Characterization of biofilm and corrosion of cast iron pipes in drinking water distribution system with UV/Cl <sub>2</sub> disinfection. <i>Water Research</i> , 2014, 60, 174-181.	5.3	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.	5.3	101
100	Electrochemically assisted photocatalytic degradation of Acid Orange 7 with $\beta$ -PbO <sub>2</sub> electrodes modified by TiO <sub>2</sub> . <i>Water Research</i> , 2006, 40, 213-220.	5.3	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.	5.3	100
102	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.	5.0	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.	5.3	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.	4.6	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.	4.6	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.	2.3	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.	6.5	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.	10.8	95
110	New Insights into Defect-Mediated Heterostructures for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1502268.	10.2	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.	6.6	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.	3.2	94
113	Activation of Lattice Oxygen in LaFe (Oxy)hydroxides for Efficient Phosphorus Removal. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9073-9080.	4.6	94
114	Electro-oxidation of diclofenac at boron doped diamond: Kinetics and mechanism. <i>Electrochimica Acta</i> , 2009, 54, 4172-4179.	2.6	93
115	Coagulation of humic acid by PACl with high content of Al <sup>3+</sup> : The role of aluminum speciation. <i>Separation and Purification Technology</i> , 2009, 70, 225-230.	3.9	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.	10.8	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.	4.6	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.	6.5	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.	6.6	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.	6.5	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.	4.0	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.	5.2	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.	8.2	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.	10.8	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.	10.8	86
126	Effect of aluminum speciation on arsenic removal during coagulation process. <i>Separation and Purification Technology</i> , 2012, 86, 35-40.	3.9	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.	3.9	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.	3.2	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.	1.6	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.	5.3	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.	5.3	85
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