

Huijuan Liu

List of Publications by Year in descending order

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361
papers

21,780
citations

6254

80
h-index

15732

125
g-index

362
all docs

362
docs citations

362
times ranked

19686
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	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
3	Two-dimensional layered MoS ₂ : rational design, properties and electrochemical applications. <i>Energy and Environmental Science</i> , 2016, 9, 1190-1209.	30.8	532
4	Earth-Rich Transition Metal Phosphide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600087.	19.5	437
5	Confining Free Radicals in Close Vicinity to Contaminants Enables Ultrafast Fenton-like Processes in the Interspacing of MoS ₂ Membranes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8134-8138.	13.8	419
6	Characteristics of microplastic removal via coagulation and ultrafiltration during drinking water treatment. <i>Chemical Engineering Journal</i> , 2019, 359, 159-167.	12.7	382
7	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
8	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. <i>Nanoscale</i> , 2015, 7, 1250-1269.	5.6	290
9	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
10	Visible-light sensitive cobalt-doped BiVO ₄ (Co-BiVO ₄) 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
11	Adsorptive removal of phosphate by a nanostructured Fe-Al-Mn trimetal oxide adsorbent. <i>Powder Technology</i> , 2013, 233, 146-154.	4.2	268
12	Coagulation Behavior of Aluminum Salts in Eutrophic Water: Significance of Al ¹³ Species and pH Control. <i>Environmental Science & Technology</i> , 2006, 40, 325-331.	10.0	256
13	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
14	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
15	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
16	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 & Technology</i> , 2014, 48, 10316-10322.	10.0	200
17	Adsorption behavior and mechanism of arsenate at Fe-Mn binary oxide/water interface. <i>Journal of Hazardous Materials</i> , 2009, 168, 820-825.	12.4	194
18	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

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19	Biomolecule-assisted self-assembly of CdS/MoS ₂ /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
20	Dechlorination of Trichloroacetic Acid Using a Noble Metal-Free Graphene-Cu Foam Electrode via Direct Cathodic Reduction and Atomic H [*] . <i>Environmental Science & Technology</i> , 2016, 50, 3829-3837.	10.0	169
21	Transformation of humic acid and halogenated byproduct formation in UV-chlorine processes. <i>Water Research</i> , 2016, 102, 421-427.	11.3	164
22	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
23	Synthesis of Ce(III)-doped Fe ₃ O ₄ magnetic particles for efficient removal of antimony from aqueous solution. <i>Journal of Hazardous Materials</i> , 2017, 329, 193-204.	12.4	154
24	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
25	Photoelectrocatalytic Oxidation of Cu ^{II} -EDTA at the TiO ₂ Electrode and Simultaneous Recovery of Cu ^{II} by Electrodeposition. <i>Environmental Science & Technology</i> , 2013, 47, 4480-4488.	10.0	151
26	Heterogeneous photo-Fenton degradation of acid red B over Fe ₂ O ₃ supported on activated carbon fiber. <i>Journal of Hazardous Materials</i> , 2015, 285, 167-172.	12.4	147
27	Defect Modulation of Z-Scheme TiO ₂ /Cu ₂ O Photocatalysts for Durable Water Splitting. <i>ACS Catalysis</i> , 2019, 9, 8346-8354.	11.2	146
28	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
29	Preparation of amino-Fe(III) functionalized mesoporous silica for synergistic adsorption of tetracycline and copper. <i>Chemosphere</i> , 2015, 138, 625-632.	8.2	140
30	Organic Micropollutants in Rivers Downstream of the Megacity Beijing: Sources and Mass Fluxes in a Large-Scale Wastewater Irrigation System. <i>Environmental Science & Technology</i> , 2012, 46, 8680-8688.	10.0	138
31	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
32	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
33	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
34	Removal of tetracycline from water by Fe-Mn binary oxide. <i>Journal of Environmental Sciences</i> , 2012, 24, 242-247.	6.1	125
35	Role of Aluminum Speciation in the Removal of Disinfection Byproduct Precursors by a Coagulation Process. <i>Environmental Science & Technology</i> , 2008, 42, 5752-5758.	10.0	123
36	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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37	Oxygen Doping to Optimize Atomic Hydrogen Binding Energy on NiCoP for Highly Efficient Hydrogen Evolution. <i>Small</i> , 2018, 14, e1800421.	10.0	122
38	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
39	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
40	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
41	Photoelectrocatalytic Degradation of Triazine-Containing Azo Dyes at Bi_2MoO_6 Film Electrode under Visible Light Irradiation ($\lambda > 420$ nm). <i>Environmental Science & Technology</i> , 2007, 41, 6802-6807.	10.0	118
42	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
43	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
44	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
45	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
46	Arsenate uptake and arsenite simultaneous sorption and oxidation by Fe-Mn binary oxides: Influence of Mn/Fe ratio, pH, Ca^{2+} , and humic acid. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 141-146.	9.4	108
47	Carbon nanodot-modified FeOCl for photo-assisted Fenton reaction featuring synergistic in-situ H_2O_2 production and activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118665.	20.2	108
48	Effect of moderate pre-oxidation on the removal of <i>Microcystis aeruginosa</i> by KMnO_4 -Fe(II) process: Significance of the in-situ formed Fe(III). <i>Water Research</i> , 2012, 46, 73-81.	11.3	107
49	pH-Independent Production of Hydroxyl Radical from Atomic H^* -Mediated Electrocatalytic H_2O_2 Reduction: A Green Fenton Process without Byproducts. <i>Environmental Science & Technology</i> , 2020, 54, 14725-14731.	10.0	106
50	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
51	Sources and Pathways of Nutrients in the Semi-Arid Region of Beijing-Tianjin, China. <i>Environmental Science & Technology</i> , 2012, 46, 5294-5301.	10.0	103
52	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
53	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
54	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

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55	Improvement of aqueous mercury adsorption on activated coke by thiol-functionalization. <i>Chemical Engineering Journal</i> , 2013, 228, 925-934.	12.7	99
56	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
57	Microfluidic Flow through Polyaniline Supported by Lamellar-Structured Graphene for Mass-Transfer-Enhanced Electrocatalytic Reduction of Hexavalent Chromium. <i>Environmental Science & Technology</i> , 2015, 49, 13534-13541.	10.0	98
58	Inactivation of <i>Microcystis aeruginosa</i> by Continuous Electrochemical Cycling Process in Tube Using Ti/RuO ₂ Electrodes. <i>Environmental Science & Technology</i> , 2005, 39, 4633-4639.	10.0	97
59	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
60	Preparation and characterization of a novel silica aerogel as adsorbent for toxic organic compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 38-44.	4.7	95
61	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
62	Simultaneous destruction of Nickel (II)-EDTA with TiO ₂ /Ti film anode and electrodeposition of nickel ions on the cathode. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 478-485.	20.2	95
63	New Insights into Defect-Mediated Heterostructures for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1502268.	19.5	95
64	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
65	A new paradigm of ultrathin 2D nanomaterial adsorbents in aqueous media: graphene and GO, MoS ₂ , MXenes, and 2D MOFs. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16598-16621.	10.3	95
66	Coagulation of humic acid by PACl with high content of Al ¹³ : The role of aluminum speciation. <i>Separation and Purification Technology</i> , 2009, 70, 225-230.	7.9	93
67	Polyoxometalates/TiO ₂ Fenton-like photocatalysts with rearranged oxygen vacancies for enhanced synergetic degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 407-413.	20.2	92
68	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 & Technology</i> , 2015, 49, 9289-9297.	10.0	91
69	Adsorption of Cu(II)-EDTA chelates on tri-ammonium-functionalized mesoporous silica from aqueous solution. <i>Separation and Purification Technology</i> , 2013, 117, 118-123.	7.9	90
70	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
71	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
72	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

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73	Polyoxometalates/TiO ₂ 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
74	Effect of aluminum speciation on arsenic removal during coagulation process. <i>Separation and Purification Technology</i> , 2012, 86, 35-40.	7.9	86
75	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
76	Hierarchical Nanotubular Anatase/Rutile/TiO ₂ (B) Heterophase Junction with Oxygen Vacancies for Enhanced Photocatalytic H ₂ Production. <i>Langmuir</i> , 2018, 34, 1883-1889.	3.5	85
77	Development of nitrogen-doped carbon for selective metal ion capture. <i>Chemical Engineering Journal</i> , 2018, 350, 608-615.	12.7	85
78	Efficient <i>Microcystis aeruginosa</i> removal by moderate photocatalysis-enhanced coagulation with magnetic Zn-doped Fe ₃ O ₄ particles. <i>Water Research</i> , 2020, 171, 115448.	11.3	85
79	Photoelectrochemical degradation of anti-inflammatory pharmaceuticals at Bi ₂ MoO ₆ @boron-doped diamond hybrid electrode under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 539-545.	20.2	84
80	Performance and Mechanisms of Ultrafiltration Membrane Fouling Mitigation by Coupling Coagulation and Applied Electric Field in a Novel Electrocoagulation Membrane Reactor. <i>Environmental Science & Technology</i> , 2017, 51, 8544-8551.	10.0	84
81	Preparation and characterization of chitosan encapsulated <i>Sargassum</i> sp. biosorbent for nickel ions sorption. <i>Bioresource Technology</i> , 2011, 102, 2821-2828.	9.6	83
82	Bimetal-organic frameworks with coordinatively unsaturated metal sites for highly efficient Fenton-like catalysis. <i>Chemical Engineering Journal</i> , 2021, 414, 128669.	12.7	83
83	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
84	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
85	Using the combined bioelectrochemical and sulfur autotrophic denitrification system for groundwater denitrification. <i>Bioresource Technology</i> , 2009, 100, 142-148.	9.6	81
86	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
87	Anaerobically-digested sludge disintegration by transition metal ions-activated peroxymonosulfate (PMS): Comparison between Co ²⁺ , Cu ²⁺ , Fe ²⁺ and Mn ²⁺ . <i>Science of the Total Environment</i> , 2020, 713, 136530.	8.0	80
88	Elimination of polar micropollutants and anthropogenic markers by wastewater treatment in Beijing, China. <i>Chemosphere</i> , 2015, 119, 1054-1061.	8.2	79
89	Hydrogen-Bond-Mediated Self-Assembly of Carbon-Nitride-Based Photo-Fenton-like Membranes for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2019, 53, 6981-6988.	10.0	79
90	Removal of arsenite by simultaneous electro-oxidation and electro-coagulation process. <i>Journal of Hazardous Materials</i> , 2010, 184, 472-476.	12.4	78

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91	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
92	Effect of Aluminum Speciation and Structure Characterization on Preferential Removal of Disinfection Byproduct Precursors by Aluminum Hydroxide Coagulation. <i>Environmental Science & Technology</i> , 2009, 43, 5067-5072.	10.0	76
93	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
94	Photoactuation Healing of $\text{FeOOH}@g\text{-C}_3\text{N}_4$ Catalyst for Efficient and Stable Activation of Persulfate. <i>Small</i> , 2017, 13, 1702225.	10.0	76
95	Triggering of Low-Valence Molybdenum in Multiphasic MoS_2 for Effective Reactive Oxygen Species Output in Catalytic Fenton-like Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26781-26788.	8.0	76
96	Transformation of para arsanilic acid by manganese oxide: Adsorption, oxidation, and influencing factors. <i>Water Research</i> , 2017, 116, 126-134.	11.3	75
97	Fe^{2+} - and Fe^{3+} - Fe_2O_3 nanoparticle/nitrogen doped carbon nanotube catalysts for high-performance oxygen reduction reaction. <i>Science China Materials</i> , 2015, 58, 683-692.	6.3	73
98	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
99	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
100	Ni(II)/Ni(III) redox couple endows Ni foam-supported Ni ₂ P with excellent capability for direct ammonia oxidation. <i>Chemical Engineering Journal</i> , 2021, 404, 126795.	12.7	72
101	Efficient conversion of dimethylarsinate into arsenic and its simultaneous adsorption removal over Fe _x C/N-doped carbon fiber composite in an electro-Fenton process. <i>Water Research</i> , 2016, 100, 57-64.	11.3	71
102	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
103	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
104	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
105	KMnO_4 \rightarrow 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
106	Reaction of Cu(CN)_3^{2-} with H_2O_2 in water under alkaline conditions: Cyanide oxidation, $\text{Cu}^+/\text{Cu}^{2+}$ catalysis and H_2O_2 decomposition. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 85-90.	20.2	66
107	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
108	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

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109	Simultaneous removal of arsenite and fluoride via an integrated electro-oxidation and electrocoagulation process. <i>Chemosphere</i> , 2011, 83, 726-729.	8.2	64
110	Anaerobically-digested sludge conditioning by activated peroxymonosulfate: Significance of EDTA chelated-Fe ²⁺ . <i>Water Research</i> , 2019, 160, 454-465.	11.3	64
111	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
112	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
113	Removal of Se(IV) and Se(VI) from drinking water by coagulation. <i>Separation and Purification Technology</i> , 2015, 142, 65-70.	7.9	61
114	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
115	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
116	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
117	Enhanced Stabilization and Effective Utilization of Atomic Hydrogen on Pd-In Nanoparticles in a Flow-through Electrode. <i>Environmental Science & Technology</i> , 2019, 53, 11383-11390.	10.0	60
118	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
119	Boosting photoelectrochemical activities of heterostructured photoanodes through interfacial modulation of oxygen vacancies. <i>Nano Energy</i> , 2017, 35, 290-298.	16.0	59
120	Defluoridation by freshly prepared aluminum hydroxides. <i>Chemical Engineering Journal</i> , 2011, 175, 144-149.	12.7	57
121	Removal of arsenic(III) from aqueous solution using a low-cost by-product in Fe-removal plants's Fe-based backwashing sludge. <i>Chemical Engineering Journal</i> , 2013, 226, 393-401.	12.7	57
122	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
123	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
124	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
125	3-D hierarchical Ag/ZnO@CF for synergistically removing phenol and Cr(VI): Heterogeneous vs. homogeneous photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 85-94.	9.4	55
126	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

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127	Bromate removal by electrochemical reduction at boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2012, 62, 181-184.	5.2	53
128	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
129	Effect of ozonation on the characteristics of effluent organic matter fractions and subsequent associations with disinfection by-products formation. <i>Science of the Total Environment</i> , 2018, 610-611, 1057-1064.	8.0	53
130	Emerging graphitic carbon nitride-based membranes for water purification. <i>Water Research</i> , 2021, 200, 117207.	11.3	53
131	Cyanobacteria and their toxins in Guanting Reservoir of Beijing, China. <i>Journal of Hazardous Materials</i> , 2008, 153, 470-477.	12.4	52
132	Fabrication and photoelectrocatalytic properties of nanocrystalline monoclinic BiVO ₄ thin-film electrode. <i>Journal of Environmental Sciences</i> , 2011, 23, 151-159.	6.1	52
133	Reductive dechlorination of trichloroacetic acid (TCAA) by electrochemical process over Pd-In/Al ₂ O ₃ catalyst. <i>Electrochimica Acta</i> , 2017, 232, 13-21.	5.2	52
134	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
135	Moderate KMnO ₄ -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
136	Metagenomics Unravels Differential Microbiome Composition and Metabolic Potential in Rapid Sand Filters Purifying Surface Water Versus Groundwater. <i>Environmental Science & Technology</i> , 2020, 54, 5197-5206.	10.0	51
137	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
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