

# Hou Wang

## List of Publications by Year in descending order

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173  
papers

22,098  
citations

4942

84  
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8835

145  
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177  
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177  
docs citations

177  
times ranked

17978  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defective polymeric carbon nitride: Fabrications, photocatalytic applications and perspectives. <i>Chemical Engineering Journal</i> , 2022, 427, 130991.	6.6	85
2	Intramolecular modulation of iron-based metal organic framework with energy level adjusting for efficient photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120823.	10.8	45
3	Dual optimization approach to Mo single atom dispersed g-C <sub>3</sub> N <sub>4</sub> photocatalyst: Morphology and defect evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120904.	10.8	203
4	Construction of Bi <sub>2</sub> WO <sub>6</sub> /CoAl-LDHs S-scheme heterojunction with efficient photo-Fenton-like catalytic performance: Experimental and theoretical studies. <i>Chemosphere</i> , 2022, 291, 133001.	4.2	30
5	In-situ soil remediation via heterogeneous iron-based catalysts activated persulfate process: A review. <i>Chemical Engineering Journal</i> , 2022, 431, 133833.	6.6	43
6	Mechanistic insights of removing pollutant in adsorption and advanced oxidation processes by sludge biochar. <i>Journal of Hazardous Materials</i> , 2022, 430, 128375.	6.5	41
7	Manipulation of the halloysite clay nanotube lumen for environmental remediation: a review. <i>Environmental Science: Nano</i> , 2022, 9, 841-866.	2.2	11
8	Zeolite-based Fenton-like catalysis for pollutant removal and reclamation from wastewater. <i>Chinese Chemical Letters</i> , 2022, 33, 4719-4731.	4.8	28
9	Highly efficient As(III) removal through simultaneous oxidation and adsorption by N-CQDs modified MIL-53(Fe). <i>Separation and Purification Technology</i> , 2022, 286, 120409.	3.9	26
10	Resource utilization of luffa sponge to produce biochar for effective degradation of organic contaminants through persulfate activation. <i>Separation and Purification Technology</i> , 2022, 288, 120650.	3.9	30
11	Concrete waste-derived aggregate for concrete manufacture. <i>Journal of Cleaner Production</i> , 2022, 338, 130637.	4.6	14
12	Structure-performance correlation guided applications of covalent organic frameworks. <i>Materials Today</i> , 2022, 53, 106-133.	8.3	76
13	One-Dimensional Helical Aggregates Organized from Achiral Imine-Based Polymers. , 2022, 4, 715-723.		6
14	Evaluating the remediation potential of MgFe <sub>2</sub> O <sub>4</sub> -montmorillonite and its co-application with biochar on heavy metal-contaminated soils. <i>Chemosphere</i> , 2022, 299, 134217.	4.2	11
15	Near-Infrared Light Responsive TiO <sub>2</sub> for Efficient Solar Energy Utilization. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	88
16	Application of functionalized layered double hydroxides for heavy metal removal: A review. <i>Science of the Total Environment</i> , 2022, 838, 155693.	3.9	33
17	2D single- and few-layered MXenes: synthesis, applications and perspectives. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13651-13672.	5.2	56
18	Degradation of ciprofloxacin by peroxymonosulfate activation using catalyst derived from spent lithium-ion batteries. <i>Journal of Cleaner Production</i> , 2022, 362, 132442.	4.6	14

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19	Single-Atom Catalysts for Hydrogen Generation: Rational Design, Recent Advances, and Perspectives. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	42
20	Directing the Architecture of Surface-Clean Cu <sub>2</sub> O for CO Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 12410-12420.	6.6	24
21	Highly Dispersed and Small-Size Pd-Cu Nanoparticles Supported on N-Doped Graphene for Oxygen Reduction Reaction Catalysts. <i>Energy &amp; Fuels</i> , 2022, 36, 7699-7709.	2.5	4
22	Recycling of waste power lithium-ion batteries to prepare nickel/cobalt/manganese-containing catalysts with inter-valence cobalt/manganese synergistic effect for peroxymonosulfate activation. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 564-580.	5.0	22
23	Properties of oxidatively torrefied Chinese fir residue: Color dimension, pyrolysis kinetics, and storage behavior. <i>Fuel Processing Technology</i> , 2021, 213, 106663.	3.7	11
24	Burgeoning prospects of biochar and its composite in persulfate-advanced oxidation process. <i>Journal of Hazardous Materials</i> , 2021, 409, 124893.	6.5	122
25	Nanostructured covalent organic frameworks with elevated crystallization for (electro)photocatalysis and energy storage devices. <i>Journal of Materials Science</i> , 2021, 56, 13875-13924.	1.7	8
26	A novel in situ synthesis of nitrogen-doped graphene with excellent electrocatalytic performance for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2021, 380, 138256.	2.6	12
27	Roles of sulfur-edge sites, metal-edge sites, terrace sites, and defects in metal sulfides for photocatalysis. <i>Chem Catalysis</i> , 2021, 1, 44-68.	2.9	83
28	Strategies to extend near-infrared light harvest of polymer carbon nitride photocatalysts. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213947.	9.5	94
29	Recent advances on ZIF-8 composites for adsorption and photocatalytic wastewater pollutant removal: Fabrication, applications and perspective. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213985.	9.5	180
30	Defect engineering in polymeric carbon nitride photocatalyst: Synthesis, properties and characterizations. <i>Advances in Colloid and Interface Science</i> , 2021, 296, 102523.	7.0	49
31	Recovery of CuO/C catalyst from spent anode material in battery to activate peroxymonosulfate for refractory organic contaminants degradation. <i>Journal of Hazardous Materials</i> , 2021, 420, 126552.	6.5	52
32	State-of-the-art progress in the rational design of layered double hydroxide based photocatalysts for photocatalytic and photoelectrochemical H <sub>2</sub> /O <sub>2</sub> production. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214103.	9.5	42
33	Circularly Polarized Organic Room Temperature Phosphorescence from Amorphous Copolymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 18527-18535.	6.6	132
34	Structure-Function Correlations of Carbonaceous Materials for Persulfate-Based Advanced Oxidation. <i>Langmuir</i> , 2021, 37, 13969-13975.	1.6	26
35	Understanding structure-performance correlation of biochar materials in environmental remediation and electrochemical devices. <i>Chemical Engineering Journal</i> , 2020, 382, 122977.	6.6	109
36	Regeneration and reutilization of cathode materials from spent lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 383, 123089.	6.6	213

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37	Stable self-assembly AgI/UiO-66(NH <sub>2</sub> ) heterojunction as efficient visible-light responsive photocatalyst for tetracycline degradation and mechanism insight. <i>Chemical Engineering Journal</i> , 2020, 384, 123310.	6.6	150
38	Metal-organic framework membranes for wastewater treatment and water regeneration. <i>Coordination Chemistry Reviews</i> , 2020, 404, 213116.	9.5	265
39	Photocatalytic removal of antibiotics from natural water matrices and swine wastewater via Cu(I) coordinately polymeric carbon nitride framework. <i>Chemical Engineering Journal</i> , 2020, 392, 123638.	6.6	78
40	Linkage Engineering by Harnessing Supramolecular Interactions to Fabricate 2D Hydrazone-Linked Covalent Organic Framework Platforms toward Advanced Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 18138-18149.	6.6	99
41	Metal-Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020, 14, 13500-13511.	7.3	75
42	Comparison of atmospheric pressure and gas-pressurized torrefaction of municipal sewage sludge: Properties of solid products. <i>Energy Conversion and Management</i> , 2020, 213, 112793.	4.4	33
43	Bioremediation of co-contaminated soil with heavy metals and pesticides: Influence factors, mechanisms and evaluation methods. <i>Chemical Engineering Journal</i> , 2020, 398, 125657.	6.6	235
44	Reutilization of cathode material from spent batteries as a heterogeneous catalyst to remove antibiotics in wastewater via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2020, 400, 125903.	6.6	60
45	Efficient Noble-Metal-Free Catalysts Supported by Three-Dimensional Ordered Hierarchical Porous Carbon. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2513-2519.	1.7	1
46	Powerful combination of 2D g-C <sub>3</sub> N <sub>4</sub> and 2D nanomaterials for photocatalysis: Recent advances. <i>Chemical Engineering Journal</i> , 2020, 390, 124475.	6.6	205
47	Integrating Suitable Linkage of Covalent Organic Frameworks into Covalently Bridged Inorganic/Organic Hybrids toward Efficient Photocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 4862-4871.	6.6	304
48	Mechanistic insights into heavy metals affinity in magnetic MnO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> /poly(m-phenylenediamine) core-shell adsorbent. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110326.	2.9	29
49	Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metal-Organic Framework Composites. <i>Small Methods</i> , 2020, 4, 1900890.	4.6	22
50	Integrating the (311) facet of MnO <sub>2</sub> and the functional groups of poly(m-phenylenediamine) in core-shell MnO <sub>2</sub> @poly(m-phenylenediamine) adsorbent to remove Pb ions from water. <i>Journal of Hazardous Materials</i> , 2020, 389, 122154.	6.5	31
51	Localized induction heating of metallic spacers for energy-efficient membrane distillation. <i>Journal of Membrane Science</i> , 2020, 606, 118150.	4.1	20
52	Molecular Phosphorescence in Polymer Matrix with Reversible Sensitivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20765-20774.	4.0	68
53	Recent advances in titanium metal-organic frameworks and their derived materials: Features, fabrication, and photocatalytic applications. <i>Chemical Engineering Journal</i> , 2020, 395, 125080.	6.6	93
54	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	30

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55	Physicochemical properties, metal availability and bacterial community structure in heavy metal-polluted soil remediated by montmorillonite-based amendments. <i>Chemosphere</i> , 2020, 261, 128010.	4.2	60
56	Design and engineering of layered double hydroxide based catalysts for water depollution by advanced oxidation processes: a review. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4141-4173.	5.2	155
57	State-of-the-Art Advances and Challenges of Iron-Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. <i>Small</i> , 2019, 15, e1803088.	5.2	111
58	A multifunctional platform by controlling of carbon nitride in the core-shell structure: From design to construction, and catalysis applications. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117957.	10.8	126
59	Activated biochar with iron-loading and its application in removing Cr (VI) from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123642.	2.3	96
60	Construction of hole-transported MoO <sub>3</sub> coupled with CdS nanospheres for boosting photocatalytic performance via oxygen-defects-mediated Z-scheme charge transfer. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4780.	1.7	29
61	Photocatalysis: Modulation of Bi <sub>2</sub> MoO <sub>6</sub> -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review ( <i>Small</i> 23/2019). <i>Small</i> , 2019, 15, 1970122.	5.2	70
62	Effects of composition faults in ternary metal chalcogenides (Zn In <sub>2</sub> S <sub>3</sub> , x=1-5) layered crystals for visible-light-driven catalytic hydrogen generation and carbon dioxide reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117810.	10.8	82
63	Modulation of Bi <sub>2</sub> MoO <sub>6</sub> -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review. <i>Small</i> , 2019, 15, e1901008.	5.2	179
64	Highly efficient removal of diclofenac sodium from medical wastewater by Mg/Al layered double hydroxide-poly(m-phenylenediamine) composite. <i>Chemical Engineering Journal</i> , 2019, 366, 83-91.	6.6	121
65	In-situ synthesis of 3D microsphere-like In <sub>2</sub> S <sub>3</sub> /InVO <sub>4</sub> heterojunction with efficient photocatalytic activity for tetracycline degradation under visible light irradiation. <i>Chemical Engineering Journal</i> , 2019, 356, 371-381.	6.6	171
66	Electrical promotion of spatially photoinduced charge separation via interfacial-built-in quasi-alloying effect in hierarchical Zn <sub>2</sub> In <sub>2</sub> S <sub>5</sub> /Ti <sub>3</sub> C <sub>2</sub> (O, OH) <sub>x</sub> hybrids toward efficient photocatalytic hydrogen evolution and environmental remediation. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 290-301.	10.8	229
67	Tailored indium sulfide-based materials for solar-energy conversion and utilization. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 38, 1-26.	5.6	127
68	Nitrogen self-doped g-C <sub>3</sub> N <sub>4</sub> nanosheets with tunable band structures for enhanced photocatalytic tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 17-29.	5.0	193
69	Facile synthesis of In <sub>2</sub> S <sub>3</sub> /UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 444-457.	5.0	120
70	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 273-284.	5.0	552
71	Insight on the plasmonic Z-scheme mechanism underlying the highly efficient photocatalytic activity of silver molybdate/silver vanadate composite in rhodamine B degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 493-504.	5.0	40
72	Formation of quasi-core-shell In <sub>2</sub> S <sub>3</sub> /anatase TiO <sub>2</sub> @metallic Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 213-225.	10.8	297

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73	Petal-like CdS nanostructures coated with exfoliated sulfur-doped carbon nitride via chemically activated chain termination for enhanced visible-light-driven photocatalytic water purification and H <sub>2</sub> generation. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 181-191.	10.8	156
74	Effective removal of high-chroma rhodamine B over Sn <sub>0.215</sub> In <sub>0.38</sub> S/reduced graphene oxide composite: Synergistic factors and mechanism of adsorption enrichment and visible photocatalytic degradation. <i>Powder Technology</i> , 2018, 329, 217-231.	2.1	34
75	In-situ synthesis of direct solid-state dual Z-scheme WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> O <sub>3</sub> photocatalyst for the degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 376-385.	10.8	495
76	Photogenerated charge transfer via interfacial internal electric field for significantly improved photocatalysis in direct Z-scheme oxygen-doped carbon nitrogen/CoAl-layered double hydroxide heterojunction. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 530-540.	10.8	219
77	Near-infrared-driven Cr(VI) reduction in aqueous solution based on a MoS <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> photocatalyst. <i>Catalysis Science and Technology</i> , 2018, 8, 1545-1554.	2.1	41
78	Clay-Inspired MXene-Based Electrochemical Devices and Photo-Electrocatalyst: State-of-the-Art Progresses and Challenges. <i>Advanced Materials</i> , 2018, 30, e1704561.	11.1	431
79	Effect of Cd stress on the bioavailability of Cd and other mineral nutrition elements in broad bean grown in a loess subsoil amended with municipal sludge compost. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7418-7432.	2.7	6
80	Quasi-polymeric construction of stable perovskite-type LaFeO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructured photocatalyst for improved Z-scheme photocatalytic activity via solid p-n heterojunction interfacial effect. <i>Journal of Hazardous Materials</i> , 2018, 347, 412-422.	6.5	296
81	Construction of an all-solid-state Z-scheme photocatalyst based on graphite carbon nitride and its enhancement to catalytic activity. <i>Environmental Science: Nano</i> , 2018, 5, 599-615.	2.2	174
82	Recyclable zero-valent iron activating peroxymonosulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. <i>Bioresource Technology</i> , 2018, 262, 294-301.	4.8	115
83	Construction of hierarchical 2D-2D Zn <sub>3</sub> In <sub>2</sub> S <sub>6</sub> /fluorinated polymeric carbon nitride nanosheets photocatalyst for boosting photocatalytic degradation and hydrogen production performance. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 58-69.	10.8	213
84	Facile construction of novel direct solid-state Z-scheme AgI/BiOBr photocatalysts for highly effective removal of ciprofloxacin under visible light exposure: Mineralization efficiency and mechanisms. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 82-94.	5.0	207
85	In situ surface transfer process of Cry1Ac protein on SiO <sub>2</sub> /4Å The effect of biosurfactants for desorption. <i>Journal of Hazardous Materials</i> , 2018, 341, 150-158.	6.5	6
86	Highly efficient photocatalysis toward tetracycline of nitrogen doped carbon quantum dots sensitized bismuth tungstate based on interfacial charge transfer. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 296-306.	5.0	119
87	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. <i>Journal of Environmental Management</i> , 2018, 205, 99-106.	3.8	75
88	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 715-725.	10.8	438
89	Insight into highly efficient removal of cadmium and methylene blue by eco-friendly magnesium silicate-hydrothermal carbon composite. <i>Applied Surface Science</i> , 2018, 427, 1107-1117.	3.1	121
90	Molecular docking simulation on the interactions of laccase from <i>Trametes versicolor</i> with nonylphenol and octylphenol isomers. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 331-343.	1.7	30

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91	Highly efficient photocatalytic activity and mechanism of Yb <sup>3+</sup> /Tm <sup>3+</sup> codoped In <sub>2</sub> S <sub>3</sub> from ultraviolet to near infrared light towards chromium (VI) reduction and rhodamine B oxydative degradation. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 8-21.	10.8	172
92	Immobilization of heavy metals in two contaminated soils using a modified magnesium silicate stabilizer. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32562-32571.	2.7	31
93	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. <i>Environmental Science: Nano</i> , 2018, 5, 2604-2617.	2.2	93
94	Synthesis and boosting visible light photoactivity of Ag@AgI/CdWO <sub>4</sub> towards refractory organic pollutants degradation based on interfacial charge transfer. <i>Applied Surface Science</i> , 2018, 454, 293-304.	3.1	44
95	Nitrogen doped carbon quantum dots mediated silver phosphate/bismuth vanadate Z-scheme photocatalyst for enhanced antibiotic degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 11-22.	5.0	81
96	Accelerated tetracycline degradation by persulfate activated with heterogeneous magnetic Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> catalysts. <i>Chemical Engineering Journal</i> , 2018, 350, 573-584.	6.6	116
97	Modified stannous sulfide nanoparticles with metal-organic framework: Toward efficient and enhanced photocatalytic reduction of chromium (VI) under visible light. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 481-492.	5.0	89
98	Visible-light-driven removal of tetracycline antibiotics and reclamation of hydrogen energy from natural water matrices and wastewater by polymeric carbon nitride foam. <i>Water Research</i> , 2018, 144, 215-225.	5.3	481
99	Photothermal-enhanced and fouling-resistant membrane for solar-assisted membrane distillation. <i>Journal of Membrane Science</i> , 2018, 565, 254-265.	4.1	107
100	Recent advances in synthesis, modification and photocatalytic applications of micro/nano-structured zinc indium sulfide. <i>Chemical Engineering Journal</i> , 2018, 354, 407-431.	6.6	171
101	Environmental Remediation And Energy Reclamation From Natural Water Matrices And Wastewater By Solar Photocatalytic Technology. , 2018, , .		0
102	Upgrading Sewage Sludge Liquefaction Bio-Oil by Microemulsification: The Effect of Ethanol as Polar Phase on Solubilization Performance and Fuel Properties. <i>Energy &amp; Fuels</i> , 2017, 31, 1574-1582.	2.5	29
103	Plasmonic Bi nanoparticles and BiOCl sheets as cocatalyst deposited on perovskite-type ZnSn(OH) <sub>6</sub> microparticle with facet-oriented polyhedron for improved visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 543-553.	10.8	151
104	Phosphorus- and Sulfur-Codoped g-C <sub>3</sub> N <sub>4</sub> : Facile Preparation, Mechanism Insight, and Application as Efficient Photocatalyst for Tetracycline and Methyl Orange Degradation under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5831-5841.	3.2	337
105	Doping of graphitic carbon nitride for photocatalysis: A review. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 388-406.	10.8	1,194
106	Highly Efficient Visible-Light-Induced Photoactivity of Z-Scheme g-C <sub>3</sub> N <sub>4</sub> /Ag/MoS <sub>2</sub> Ternary Photocatalysts for Organic Pollutant Degradation and Production of Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1436-1445.	3.2	336
107	Novel ternary heterojunction photocatalyst of Ag nanoparticles and g-C <sub>3</sub> N <sub>4</sub> nanosheets co-modified BiVO <sub>4</sub> for wider spectrum visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 133-147.	10.8	343
108	Highly efficient adsorption of Congo red in single and binary water with cationic dyes by reduced graphene oxide decorated NH <sub>2</sub> -MIL-68(Al). <i>Journal of Molecular Liquids</i> , 2017, 247, 215-229.	2.3	92

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109	Highly efficient visible-light-induced photoactivity of Z-scheme Ag <sub>2</sub> CO <sub>3</sub> /Ag/WO <sub>3</sub> photocatalysts for organic pollutant degradation. <i>Environmental Science: Nano</i> , 2017, 4, 2175-2185.	2.2	121
110	Synthesis of ligand-carrying polymeric nanoparticles for use in extraction and recovery of metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 179-186.	2.3	11
111	Environment-friendly fullerene separation methods. <i>Chemical Engineering Journal</i> , 2017, 330, 134-145.	6.6	73
112	Functionality of surfactants in waste-activated sludge treatment: A review. <i>Science of the Total Environment</i> , 2017, 609, 1433-1442.	3.9	100
113	Reply for comment on "Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater". <i>Water Research</i> , 2017, 108, 464-465.	5.3	8
114	Photocatalytic Decontamination of Wastewater Containing Organic Dyes by Metal-Organic Frameworks and their Derivatives. <i>ChemCatChem</i> , 2017, 9, 41-64.	1.8	219
115	Facile synthesis of a novel full-spectrum-responsive Co <sub>2</sub> S <sub>4</sub> nanoparticles for UV-, vis- and NIR-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 104-111.	10.8	102
116	Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg <sup>2+</sup> -thymine base pairs for Hg <sup>2+</sup> detection. <i>Biosensors and Bioelectronics</i> , 2017, 90, 542-548.	5.3	98
117	Facile synthesis of Sb <sub>2</sub> S <sub>3</sub> /ultrathin g-C <sub>3</sub> N <sub>4</sub> sheets heterostructures embedded with g-C <sub>3</sub> N <sub>4</sub> quantum dots with enhanced NIR-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 36-46.	10.8	235
118	Utilization of LDH-based materials as potential adsorbents and photocatalysts for the decontamination of dyes wastewater: a review. <i>RSC Advances</i> , 2016, 6, 79415-79436.	1.7	141
119	A comparative study of biomass pellet and biomass-sludge mixed pellet: Energy input and pellet properties. <i>Energy Conversion and Management</i> , 2016, 126, 509-515.	4.4	103
120	Nanostructured core-shell electrode materials for electrochemical capacitors. <i>Journal of Power Sources</i> , 2016, 331, 408-425.	4.0	102
121	Pyrolysis and combustion kinetics of glycerol-in-diesel hybrid fuel using thermogravimetric analysis. <i>Fuel</i> , 2016, 182, 502-508.	3.4	20
122	Enhanced adsorptive removal of p-nitrophenol from water by aluminum metal-organic framework/reduced graphene oxide composite. <i>Scientific Reports</i> , 2016, 6, 25638.	1.6	134
123	Enhancing the sludge dewaterability by electrolysis/electrocoagulation combined with zero-valent iron activated persulfate process. <i>Chemical Engineering Journal</i> , 2016, 303, 636-645.	6.6	207
124	Fast removal of tetracycline from wastewater by reduced graphene oxide prepared via microwave-assisted ethylenediamine-N,N'-disuccinic acid induction method. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18657-18671.	2.7	37
125	One-pot self-assembly and photoreduction synthesis of silver nanoparticle-decorated reduced graphene oxide/MIL-125(Ti) photocatalyst with improved visible light photocatalytic activity. <i>Applied Organometallic Chemistry</i> , 2016, 30, 289-296.	1.7	149
126	In situ synthesis of In <sub>2</sub> S <sub>3</sub> @MIL-125(Ti) core-shell microparticle for the removal of tetracycline from wastewater by integrated adsorption and visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 19-29.	10.8	538



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128	Rhamnolipid based glycerol-in-diesel microemulsion fuel: Formation and characterization. <i>Fuel</i> , 2015, 147, 76-81.	3.4	57
129	Co-pelletization of sewage sludge and biomass: The energy input and properties of pellets. <i>Fuel Processing Technology</i> , 2015, 132, 55-61.	3.7	85
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132	Complementary effects of torrefaction and co-pelletization: Energy consumption and characteristics of pellets. <i>Bioresource Technology</i> , 2015, 185, 254-262.	4.8	84
133	The comparison of oxidative thermokinetics between emulsion and microemulsion diesel fuel. <i>Energy Conversion and Management</i> , 2015, 101, 364-370.	4.4	37
134	Novel visible light-induced g-C <sub>3</sub> N <sub>4</sub> /Sb <sub>2</sub> S <sub>3</sub> /Sb <sub>4</sub> O <sub>5</sub> Cl <sub>2</sub> composite photocatalysts for efficient degradation of methyl orange. <i>Catalysis Communications</i> , 2015, 70, 17-20.	1.6	45
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144	Facile preparation of an Ag/AgVO <sub>3</sub> /BiOCl composite and its enhanced photocatalytic behavior for methylene blue degradation. <i>RSC Advances</i> , 2015, 5, 98184-98193.	1.7	55

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146	One-step calcination method for synthesis of mesoporous g-C <sub>3</sub> N <sub>4</sub> /NiTiO <sub>3</sub> heterostructure photocatalyst with improved visible light photoactivity. <i>RSC Advances</i> , 2015, 5, 95643-95648.	1.7	54
147	Distribution behavior and risk assessment of metals in bio-oils produced by liquefaction/pyrolysis of sewage sludge. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18945-18955.	2.7	12
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158	Removal of para-nitrochlorobenzene from aqueous solution on surfactant-modified nanoscale zero-valent iron/graphene nanocomposites. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2698-2707.	1.2	14
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165	Removal of Basic Dye from Aqueous Solution using <i>Cinnamomum camphora</i> Sawdust: Kinetics, Isotherms, Thermodynamics, and Mass-Transfer Processes. <i>Separation Science and Technology</i> , 2014, 49, 2689-2699.	1.3	30
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