

Hou Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168 papers	14,768 citations	70 h-index	120 g-index
177 ext. papers	18,289 ext. citations	10.9 avg, IF	7.03 L-index

#	Paper	IF	Citations
168	Mechanistic insights of removing pollutant in adsorption and advanced oxidation processes by sludge biochar.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128375	12.8	3
167	Zeolite-based Fenton-like catalysis for pollutant removal and reclamation from wastewater. <i>Chinese Chemical Letters</i> , 2022 ,	8.1	2
166	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	8.3	1
165	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	8.3	1
164	Concrete waste-derived aggregate for concrete manufacture. <i>Journal of Cleaner Production</i> , 2022 , 338, 130637	10.3	4
163	Defective polymeric carbon nitride: Fabrications, photocatalytic applications and perspectives. <i>Chemical Engineering Journal</i> , 2022 , 427, 130991	14.7	14
162	One-Dimensional Helical Aggregates Organized from Achiral Imine-Based Polymers 2022 , 4, 715-723		1
161	Evaluating the remediation potential of MgFeO-montmorillonite and its co-application with biochar on heavy metal-contaminated soils.. <i>Chemosphere</i> , 2022 , 134217	8.4	0
160	Near-Infrared Light Responsive TiO ₂ for Efficient Solar Energy Utilization. <i>Advanced Functional Materials</i> , 2022 , 32, 2108977	15.6	9
159	Application of functionalized layered double hydroxides for heavy metal removal: A review.. <i>Science of the Total Environment</i> , 2022 , 155693	10.2	1
158	Degradation of ciprofloxacin by peroxymonosulfate activation using catalyst derived from spent lithium-ion batteries. <i>Journal of Cleaner Production</i> , 2022 , 132442	10.3	1
157	Dual Optimization Approach to Mo Single Atom Dispersed g-C ₃ N ₄ Photocatalyst: Morphology and Defect Evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 303, 120904	21.8	38
156	Construction of BiWO ₄ /CoAl-LDHs S-scheme heterojunction with efficient photo-Fenton-like catalytic performance: Experimental and theoretical studies. <i>Chemosphere</i> , 2021 , 291, 133001	8.4	1
155	In-situ soil remediation via heterogeneous iron-based catalysts activated persulfate process: A review. <i>Chemical Engineering Journal</i> , 2021 , 133833	14.7	3
154	Structure-Function Correlations of Carbonaceous Materials for Persulfate-Based Advanced Oxidation. <i>Langmuir</i> , 2021 , 37, 13969-13975	4	1
153	Intramolecular modulation of iron-based metal organic framework with energy level adjusting for efficient photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2021 , 120823	21.8	4
152	Circularly Polarized Organic Room Temperature Phosphorescence from Amorphous Copolymers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18527-18535	16.4	17

151	Properties of oxidatively torrefied Chinese fir residue: Color dimension, pyrolysis kinetics, and storage behavior. <i>Fuel Processing Technology</i> , 2021 , 213, 106663	7.2	3
150	Burgeoning prospects of biochar and its composite in persulfate-advanced oxidation process. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124893	12.8	38
149	Nanostructured covalent organic frameworks with elevated crystallization for (electro)photocatalysis and energy storage devices. <i>Journal of Materials Science</i> , 2021 , 56, 13875-13924	4.3	2
148	A novel in situ synthesis of nitrogen-doped graphene with excellent electrocatalytic performance for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2021 , 380, 138256	6.7	5
147	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		29
146	Strategies to extend near-infrared light harvest of polymer carbon nitride photocatalysts. <i>Coordination Chemistry Reviews</i> , 2021 , 439, 213947	23.2	21
145	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	23.2	35
144	Defect engineering in polymeric carbon nitride photocatalyst: Synthesis, properties and characterizations. <i>Advances in Colloid and Interface Science</i> , 2021 , 296, 102523	14.3	9
143	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	12.8	9
142	State-of-the-art progress in the rational design of layered double hydroxide based photocatalysts for photocatalytic and photoelectrochemical H ₂ /O ₂ production. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214103	23.2	11
141	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	10.6	13
140	Bioremediation of co-contaminated soil with heavy metals and pesticides: Influence factors, mechanisms and evaluation methods. <i>Chemical Engineering Journal</i> , 2020 , 398, 125657	14.7	90
139	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	14.7	24
138	Efficient Noble-Metal-Free Catalysts Supported by Three-Dimensional Ordered Hierarchical Porous Carbon. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2513-2519	4.5	
137	Powerful combination of 2D g-C ₃ N ₄ and 2D nanomaterials for photocatalysis: Recent advances. <i>Chemical Engineering Journal</i> , 2020 , 390, 124475	14.7	98
136	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	16.4	124
135	Mechanistic insights into heavy metals affinity in magnetic MnO@FeO/poly(m-phenylenediamine) core-shell adsorbent. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 192, 110326	7	18
134	Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metal-Organic Framework Composites. <i>Small Methods</i> , 2020 , 4, 1900890	12.8	9

133	Integrating the (311) facet of MnO and the functional groups of poly(m-phenylenediamine) in core-shell MnO@poly(m-phenylenediamine) adsorbent to remove Pb ions from water. <i>Journal of Hazardous Materials</i> , 2020 , 389, 122154	12.8	17
132	Localized induction heating of metallic spacers for energy-efficient membrane distillation. <i>Journal of Membrane Science</i> , 2020 , 606, 118150	9.6	11
131	Molecular Phosphorescence in Polymer Matrix with Reversible Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20765-20774	9.5	26
130	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	17
129	Physicochemical properties, metal availability and bacterial community structure in heavy metal-polluted soil remediated by montmorillonite-based amendments. <i>Chemosphere</i> , 2020 , 261, 128010	8.4	24
128	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	13	72
127	Stable self-assembly AgI/UiO-66(NH ₂) heterojunction as efficient visible-light responsive photocatalyst for tetracycline degradation and mechanism insight. <i>Chemical Engineering Journal</i> , 2020 , 384, 123310	14.7	76
126	Metal-organic framework membranes for wastewater treatment and water regeneration. <i>Coordination Chemistry Reviews</i> , 2020 , 404, 213116	23.2	132
125	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	14.7	38
124	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	16.4	44
123	Metal-Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020 , 14, 13500-13511	16.7	40
122	Understanding structure-performance correlation of biochar materials in environmental remediation and electrochemical devices. <i>Chemical Engineering Journal</i> , 2020 , 382, 122977	14.7	59
121	Regeneration and reutilization of cathode materials from spent lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 383, 123089	14.7	90
120	Recent advances in titanium metal-organic frameworks and their derived materials: Features, fabrication, and photocatalytic applications. <i>Chemical Engineering Journal</i> , 2020 , 395, 125080	14.7	48
119	Construction of hole-transported MoO ₃ -x coupled with CdS nanospheres for boosting photocatalytic performance via oxygen-defects-mediated Z-scheme charge transfer. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4780	3.1	17
118	Photocatalysis: Modulation of Bi ₂ MoO ₆ -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review (Small 23/2019). <i>Small</i> , 2019 , 15, 1970122	11	42
117	Effects of composition faults in ternary metal chalcogenides (Zn In ₂ S ₃ +, x = 1/3) layered crystals for visible-light-driven catalytic hydrogen generation and carbon dioxide reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117810	21.8	57
116	Modulation of Bi ₂ MoO ₆ -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review. <i>Small</i> , 2019 , 15, e1901008	11	104

115	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	21.8	97
114	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	5.1	60
113	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	14.7	83
112	In-situ synthesis of 3D microsphere-like In ₂ S ₃ /InVO ₄ heterojunction with efficient photocatalytic activity for tetracycline degradation under visible light irradiation. <i>Chemical Engineering Journal</i> , 2019 , 356, 371-381	14.7	119
111	Electrical promotion of spatially photoinduced charge separation via interfacial-built-in quasi-alloying effect in hierarchical Zn ₂ In ₂ S ₅ /Ti ₃ C ₂ (O, OH) _x hybrids toward efficient photocatalytic hydrogen evolution and environmental remediation. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 290-301	21.8	155
110	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	16.4	80
109	Nitrogen self-doped g-CN nanosheets with tunable band structures for enhanced photocatalytic tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2019 , 536, 17-29	9.3	123
108	Facile synthesis of InS/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	9.3	83
107	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	11	29
106	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018 , 519, 273-284	9.3	341
105	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	9.3	28
104	Formation of quasi-core-shell In ₂ S ₃ /anatase TiO ₂ @metallic Ti ₃ C ₂ T _x hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 213-225	21.8	211
103	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 ₂ generation. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 181-191	21.8	123
102	Effective removal of high-chroma rhodamine B over Sn 0.215 In 0.38 S/reduced graphene oxide composite: Synergistic factors and mechanism of adsorption enrichment and visible photocatalytic degradation. <i>Powder Technology</i> , 2018 , 329, 217-231	5.2	27
101	In-situ synthesis of direct solid-state dual Z-scheme WO ₃ /g-C ₃ N ₄ /Bi ₂ O ₃ photocatalyst for the degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 376-385	21.8	330
100	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	21.8	152
99	Near-infrared-driven Cr(VI) reduction in aqueous solution based on a MoS ₂ /Sb ₂ S ₃ photocatalyst. <i>Catalysis Science and Technology</i> , 2018 , 8, 1545-1554	5.5	33
98	Clay-Inspired MXene-Based Electrochemical Devices and Photo-Electrocatalyst: State-of-the-Art Progresses and Challenges. <i>Advanced Materials</i> , 2018 , 30, e1704561	24	301

97	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	5.1	5
96	Quasi-polymeric construction of stable perovskite-type LaFeO/g-CN 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	12.8	220
95	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	7.1	143
94	Recyclable zero-valent iron activating peroxydisulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. <i>Bioresource Technology</i> , 2018 , 262, 294-301	11	86
93	Construction of hierarchical 2D-2D Zn ₃ In ₂ S ₆ /fluorinated polymeric carbon nitride nanosheets photocatalyst for boosting photocatalytic degradation and hydrogen production performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 58-69	21.8	155
92	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	9.3	169
91	In situ surface transfer process of Cry1Ac protein on SiO ₂ : The effect of biosurfactants for desorption. <i>Journal of Hazardous Materials</i> , 2018 , 341, 150-158	12.8	5
90	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	9.3	92
89	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. <i>Journal of Environmental Management</i> , 2018 , 205, 99-106	7.9	51
88	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 715-725	21.8	335
87	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	6.7	98
86	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	12.5	296
85	Photothermal-enhanced and fouling-resistant membrane for solar-assisted membrane distillation. <i>Journal of Membrane Science</i> , 2018 , 565, 254-265	9.6	59
84	Recent advances in synthesis, modification and photocatalytic applications of micro/nano-structured zinc indium sulfide. <i>Chemical Engineering Journal</i> , 2018 , 354, 407-431	14.7	92
83	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	3.7	18
82	Highly efficient photocatalytic activity and mechanism of Yb ³⁺ /Tm ³⁺ codoped In ₂ S ₃ 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	21.8	124
81	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	5.1	18
80	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. <i>Environmental Science: Nano</i> , 2018 , 5, 2604-2617	7.1	80

79	Synthesis and boosting visible light photoactivity of Ag@AgI/CdWO ₄ towards refractory organic pollutants degradation based on interfacial charge transfer. <i>Applied Surface Science</i> , 2018 , 454, 293-304	6.7	27
78	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	9.3	56
77	Accelerated tetracycline degradation by persulfate activated with heterogeneous magnetic Ni _{0.5} Fe _{0.5} O ₄ catalysts. <i>Chemical Engineering Journal</i> , 2018 , 350, 573-584	14.7	74
76	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	9.3	59
75	Upgrading Sewage Sludge Liquefaction Bio-Oil by Microemulsification: The Effect of Ethanol as Polar Phase on Solubilization Performance and Fuel Properties. <i>Energy & Fuels</i> , 2017 , 31, 1574-1582	4.1	25
74	Plasmonic Bi nanoparticles and BiOCl sheets as cocatalyst deposited on perovskite-type ZnSn(OH) ₆ microparticle with facet-oriented polyhedron for improved visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 543-553	21.8	120
73	Phosphorus- and Sulfur-Codoped g-C ₃ N ₄ : 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	8.3	260
72	Doping of graphitic carbon nitride for photocatalysis: A review. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 388-406	21.8	802
71	Highly Efficient Visible-Light-Induced Photoactivity of Z-Scheme g-C ₃ N ₄ /Ag/MoS ₂ Ternary Photocatalysts for Organic Pollutant Degradation and Production of Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1436-1445	8.3	274
70	Novel ternary heterojunction photocatalyst of Ag nanoparticles and g-C ₃ N ₄ nanosheets co-modified BiVO ₄ for wider spectrum visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2017 , 205, 133-147	21.8	254
69	Highly efficient adsorption of Congo red in single and binary water with cationic dyes by reduced graphene oxide decorated NH ₂ -MIL-68(Al). <i>Journal of Molecular Liquids</i> , 2017 , 247, 215-229	6	60
68	Highly efficient visible-light-induced photoactivity of Z-scheme Ag ₂ CO ₃ /Ag/WO ₃ photocatalysts for organic pollutant degradation. <i>Environmental Science: Nano</i> , 2017 , 4, 2175-2185	7.1	101
67	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	5.1	7
66	Environment-friendly fullerene separation methods. <i>Chemical Engineering Journal</i> , 2017 , 330, 134-145	14.7	55
65	Functionality of surfactants in waste-activated sludge treatment: A review. <i>Science of the Total Environment</i> , 2017 , 609, 1433-1442	10.2	72
64	Reply for comment on "Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater". <i>Water Research</i> , 2017 , 108, 464-465	12.5	4
63	Photocatalytic Decontamination of Wastewater Containing Organic Dyes by Metal-Organic Frameworks and their Derivatives. <i>ChemCatChem</i> , 2017 , 9, 41-64	5.2	174
62	Facile synthesis of a novel full-spectrum-responsive Co ₂ (S ₂) ₄ nanoparticles for UV-, vis- and NIR-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 104-111	21.8	90

61	Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg-thymine base pairs for Hg detection. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 542-548	11.8	90
60	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	3.7	107
59	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	10.6	73
58	Nanostructured core-shell electrode materials for electrochemical capacitors. <i>Journal of Power Sources</i> , 2016 , 331, 408-425	8.9	82
57	Pyrolysis and combustion kinetics of glycerol-in-diesel hybrid fuel using thermogravimetric analysis. <i>Fuel</i> , 2016 , 182, 502-508	7.1	17
56	Enhanced adsorptive removal of p-nitrophenol from water by aluminum metal-organic framework/reduced graphene oxide composite. <i>Scientific Reports</i> , 2016 , 6, 25638	4.9	109
55	Enhancing the sludge dewaterability by electrolysis/electrocoagulation combined with zero-valent iron activated persulfate process. <i>Chemical Engineering Journal</i> , 2016 , 303, 636-645	14.7	162
54	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, 18657-71	5.1	33
53	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	3.1	117
52	In situ synthesis of In ₂ S ₃ @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	21.8	410
51	Study on demetalization of sewage sludge by sequential extraction before liquefaction for the production of cleaner bio-oil and bio-char. <i>Bioresource Technology</i> , 2016 , 200, 320-7	11	46
50	Facile synthesis of Sb ₂ S ₃ /ultrathin g-C ₃ N ₄ sheets heterostructures embedded with g-C ₃ N ₄ quantum dots with enhanced NIR-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2016 , 193, 36-46	21.8	185
49	Complementary effects of torrefaction and co-pelletization: Energy consumption and characteristics of pellets. <i>Bioresource Technology</i> , 2015 , 185, 254-62	11	67
48	The comparison of oxidative thermokinetics between emulsion and microemulsion diesel fuel. <i>Energy Conversion and Management</i> , 2015 , 101, 364-370	10.6	31
47	Novel visible light-induced g-C ₃ N ₄ /Sb ₂ S ₃ /Sb ₄ O ₅ Cl ₂ composite photocatalysts for efficient degradation of methyl orange. <i>Catalysis Communications</i> , 2015 , 70, 17-20	3.2	42
46	A facile hydrothermal method to synthesize Sb ₂ S ₃ /Sb ₄ O ₅ Cl ₂ composites with three-dimensional spherical structures. <i>RSC Advances</i> , 2015 , 5, 53019-53024	3.7	16
45	Bio-char derived from sewage sludge by liquefaction: Characterization and application for dye adsorption. <i>Applied Surface Science</i> , 2015 , 346, 223-231	6.7	133
44	Surface characterization of rice husk bio-char produced by liquefaction and application for cationic dye (Malachite green) adsorption. <i>Fuel</i> , 2015 , 155, 77-85	7.1	190

43	Facile synthesis of alumina-decorated multi-walled carbon nanotubes for simultaneous adsorption of cadmium ion and trichloroethylene. <i>Chemical Engineering Journal</i> , 2015 , 273, 101-110	14.7	102
42	Synthesis and applications of novel graphitic carbon nitride/metal-organic frameworks mesoporous photocatalyst for dyes removal. <i>Applied Catalysis B: Environmental</i> , 2015 , 174-175, 445-454	21.8	465
41	Three dimensional graphene based materials: Synthesis and applications from energy storage and conversion to electrochemical sensor and environmental remediation. <i>Advances in Colloid and Interface Science</i> , 2015 , 221, 41-59	14.3	202
40	Solvothermal synthesis of graphene/BiOCl _{0.75} Br _{0.25} microspheres with excellent visible-light photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 33696-33704	3.7	29
39	Photodeposition of metal sulfides on titanium metal-organic frameworks for excellent visible-light-driven photocatalytic Cr(VI) reduction. <i>RSC Advances</i> , 2015 , 5, 32531-32535	3.7	102
38	The comparison of the migration and transformation behavior of heavy metals during pyrolysis and liquefaction of municipal sewage sludge, paper mill sludge, and slaughterhouse sludge. <i>Bioresource Technology</i> , 2015 , 198, 16-22	11	68
37	Facile preparation of an Ag/AgVO ₃ /BiOCl composite and its enhanced photocatalytic behavior for methylene blue degradation. <i>RSC Advances</i> , 2015 , 5, 98184-98193	3.7	45
36	Enzymatic reaction of ethanol and oleic acid by lipase and lignin peroxidase in rhamnolipid (RL) reversed micelles. <i>Journal of Central South University</i> , 2015 , 22, 2936-2944	2.1	1
35	One-step calcination method for synthesis of mesoporous g-C ₃ N ₄ /NiTiO ₃ heterostructure photocatalyst with improved visible light photoactivity. <i>RSC Advances</i> , 2015 , 5, 95643-95648	3.7	42
34	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, 18945-55	5.1	12
33	Facile synthesis of CeO ₂ nanoparticle sensitized CdS nanorod photocatalyst with improved visible-light photocatalytic degradation of rhodamine B. <i>RSC Advances</i> , 2015 , 5, 79556-79564	3.7	58
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31	Pyrolysis and combustion kinetics of sludge-impregnated pellet thermal decomposition using thermogravimetric analysis. <i>Energy Conversion and Management</i> , 2015 , 106, 282-289	10.6	52
30	A novel SnS ₂ /MgFe ₂ O ₄ /reduced graphene oxide flower-like photocatalyst: Solvothermal synthesis, characterization and improved visible-light photocatalytic activity. <i>Catalysis Communications</i> , 2015 , 61, 62-66	3.2	87
29	Facile synthesis of magnetic Bi ₂ FeO ₄ /rGO catalyst with efficient photocatalytic performance for phenolic compounds under visible light. <i>RSC Advances</i> , 2015 , 5, 4905-4908	3.7	28
28	Speciation and environmental risk assessment of heavy metal in bio-oil from liquefaction/pyrolysis of sewage sludge. <i>Chemosphere</i> , 2015 , 120, 645-52	8.4	82
27	Characterization and application of bio-chars from liquefaction of microalgae, lignocellulosic biomass and sewage sludge. <i>Fuel Processing Technology</i> , 2015 , 129, 8-14	7.2	99
26	Facile synthesis of polypyrrole decorated reduced graphene oxide-Fe ₃ O ₄ magnetic composites and its application for the Cr(VI) removal. <i>Chemical Engineering Journal</i> , 2015 , 262, 597-606	14.7	305

25	Rhamnolipid based glycerol-in-diesel microemulsion fuel: Formation and characterization. <i>Fuel</i> , 2015 , 147, 76-81	7.1	47
24	Co-pelletization of sewage sludge and biomass: The energy input and properties of pellets. <i>Fuel Processing Technology</i> , 2015 , 132, 55-61	7.2	65
23	Characterization of liquefaction bio-oil from sewage sludge and its solubilization in diesel microemulsion. <i>Energy</i> , 2015 , 82, 218-228	7.9	51
22	Graphene-Based Devices for Hydrogen Storage 2015 , 295-306		
21	Facile synthesis of amino-functionalized titanium metal-organic frameworks and their superior visible-light photocatalytic activity for Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2015 , 286, 187-94	12.8	478
20	Study on the solubilization capacity of bio-oil in diesel by microemulsion technology with Span80 as surfactant. <i>Fuel Processing Technology</i> , 2014 , 118, 141-147	7.2	46
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18	Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater. <i>Water Research</i> , 2014 , 67, 330-44	12.5	423
17	Removal of Basic Dye from Aqueous Solution using Cinnamomum camphora Sawdust: Kinetics, Isotherms, Thermodynamics, and Mass-Transfer Processes. <i>Separation Science and Technology</i> , 2014 , 49, 2689-2699	2.5	27
16	Fast adsorption of nickel ions by porous graphene oxide/sawdust composite and reuse for phenol degradation from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 90-8	9.3	53
15	Precipitation and Recovery of Cellulase using Biosurfactant. <i>Separation Science and Technology</i> , 2014 , 49, 2249-2254	2.5	5
14	Removal of malachite green dye from wastewater by different organic acid-modified natural adsorbent: kinetics, equilibriums, mechanisms, practical application, and disposal of dye-loaded adsorbent. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 11552-64	5.1	68
13	Co-pelletization of sewage sludge and biomass: the density and hardness of pellet. <i>Bioresource Technology</i> , 2014 , 166, 435-43	11	120
12	Effect of different surfactants on removal efficiency of heavy metals in sewage sludge treated by a novel method combining bio-acidification with Fenton oxidation. <i>Journal of Central South University</i> , 2014 , 21, 4623-4629	2.1	9
11	Efficient Removal of Congo Red from Aqueous Solutions by Surfactant-Modified Hydroxo Aluminum/Graphene Composites. <i>Separation Science and Technology</i> , 2014 , 49, 2700-2710	2.5	15
10	Removal of para-nitrochlorobenzene from aqueous solution on surfactant-modified nanoscale zero-valent iron/graphene nanocomposites. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 2698-707	2.6	14
9	Release behavior of heavy metals during treatment of dredged sediment by microwave-assisted hydrogen peroxide oxidation. <i>Chemical Engineering Journal</i> , 2014 , 258, 334-340	14.7	33
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