

## List of Publications by Citations

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**Version:** 2024-04-09

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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	Doping of graphitic carbon nitride for photocatalysis: A review. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 217, 388-406	21.8	802
167	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> , <b>2015</b> , 286, 187-94	12.8	478
166	Synthesis and applications of novel graphitic carbon nitride/metal-organic frameworks mesoporous photocatalyst for dyes removal. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 174-175, 445-454	21.8	465
165	Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater. <i>Water Research</i> , <b>2014</b> , 67, 330-44	12.5	423
164	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> , <b>2016</b> , 186, 19-29	21.8	410
163	Adsorption characteristics and behaviors of graphene oxide for Zn(II) removal from aqueous solution. <i>Applied Surface Science</i> , <b>2013</b> , 279, 432-440	6.7	353
162	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 519, 273-284	9.3	341
161	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 715-725	21.8	335
160	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> , <b>2018</b> , 227, 376-385	21.8	330
159	Facile synthesis of polypyrrole decorated reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> magnetic composites and its application for the Cr(VI) removal. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 597-606	14.7	305
158	Clay-Inspired MXene-Based Electrochemical Devices and Photo-Electrocatalyst: State-of-the-Art Progresses and Challenges. <i>Advanced Materials</i> , <b>2018</b> , 30, e1704561	24	301
157	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> , <b>2018</b> , 144, 215-225	12.5	296
156	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> , <b>2017</b> , 5, 1436-1445	8.3	274
155	Graphene-based materials: fabrication, characterization and application for the decontamination of wastewater and wastegas and hydrogen storage/generation. <i>Advances in Colloid and Interface Science</i> , <b>2013</b> , 195-196, 19-40	14.3	265
154	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> , <b>2017</b> , 5, 5831-5841	8.3	260
153	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> , <b>2017</b> , 205, 133-147	21.8	254
152	Quasi-polymeric construction of stable perovskite-type LaFeO <sub>3</sub> /g-CN heterostructured photocatalyst for improved Z-scheme photocatalytic activity via solid p-n heterojunction interfacial effect. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 347, 412-422	12.8	220

151	Adsorption of hexavalent chromium from aqueous solutions by graphene modified with cetyltrimethylammonium bromide. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 183-91	9.3	213
150	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> , <b>2018</b> , 233, 213-225	21.8	211
149	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> , <b>2015</b> , 221, 41-59	14.3	202
148	Surface characterization of rice husk bio-char produced by liquefaction and application for cationic dye (Malachite green) adsorption. <i>Fuel</i> , <b>2015</b> , 155, 77-85	7.1	190
147	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> , <b>2016</b> , 193, 36-46	21.8	185
146	Photocatalytic Decontamination of Wastewater Containing Organic Dyes by Metal-Organic Frameworks and their Derivatives. <i>ChemCatChem</i> , <b>2017</b> , 9, 41-64	5.2	174
145	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> , <b>2018</b> , 522, 82-94	9.3	169
144	Enhancing the sludge dewaterability by electrolysis/electrocoagulation combined with zero-valent iron activated persulfate process. <i>Chemical Engineering Journal</i> , <b>2016</b> , 303, 636-645	14.7	162
143	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> , <b>2018</b> , 233, 58-69	21.8	155
142	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> , <b>2019</b> , 245, 290-301	21.8	155
141	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> , <b>2018</b> , 227, 530-540	21.8	152
140	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> , <b>2018</b> , 5, 599-615	7.1	143
139	Bio-char derived from sewage sludge by liquefaction: Characterization and application for dye adsorption. <i>Applied Surface Science</i> , <b>2015</b> , 346, 223-231	6.7	133
138	Metal-organic framework membranes for wastewater treatment and water regeneration. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 404, 213116	23.2	132
137	Integrating Suitable Linkage of Covalent Organic Frameworks into Covalently Bridged Inorganic/Organic Hybrids toward Efficient Photocatalysis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4862-4871	16.4	124
136	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> , <b>2018</b> , 225, 8-21	21.8	124
135	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> , <b>2018</b> , 229, 181-191	21.8	123
134	Nitrogen self-doped g-CN nanosheets with tunable band structures for enhanced photocatalytic tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 536, 17-29	9.3	123

133	Synthesis of iron(III)-based metal-organic framework/graphene oxide composites with increased photocatalytic performance for dye degradation. <i>RSC Advances</i> , <b>2014</b> , 4, 40435-40438	3.7	121
132	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> , <b>2017</b> , 209, 543-553	21.8	120
131	Co-pelletization of sewage sludge and biomass: the density and hardness of pellet. <i>Bioresource Technology</i> , <b>2014</b> , 166, 435-43	11	120
130	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> , <b>2019</b> , 356, 371-381	14.7	119
129	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> , <b>2016</b> , 30, 289-296	3.1	117
128	Enhanced adsorptive removal of p-nitrophenol from water by aluminum metal-organic framework/reduced graphene oxide composite. <i>Scientific Reports</i> , <b>2016</b> , 6, 25638	4.9	109
127	Utilization of LDH-based materials as potential adsorbents and photocatalysts for the decontamination of dyes wastewater: a review. <i>RSC Advances</i> , <b>2016</b> , 6, 79415-79436	3.7	107
126	Modulation of Bi MoO <sub>4</sub> -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review. <i>Small</i> , <b>2019</b> , 15, e1901008	11	104
125	Facile synthesis of alumina-decorated multi-walled carbon nanotubes for simultaneous adsorption of cadmium ion and trichloroethylene. <i>Chemical Engineering Journal</i> , <b>2015</b> , 273, 101-110	14.7	102
124	Photodeposition of metal sulfides on titanium metal-organic frameworks for excellent visible-light-driven photocatalytic Cr(VI) reduction. <i>RSC Advances</i> , <b>2015</b> , 5, 32531-32535	3.7	102
123	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> , <b>2017</b> , 4, 2175-2185	7.1	101
122	Characterization and application of bio-chars from liquefaction of microalgae, lignocellulosic biomass and sewage sludge. <i>Fuel Processing Technology</i> , <b>2015</b> , 129, 8-14	7.2	99
121	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> , <b>2020</b> , 390, 124475	14.7	98
120	Insight into highly efficient removal of cadmium and methylene blue by eco-friendly magnesium silicate-hydrothermal carbon composite. <i>Applied Surface Science</i> , <b>2018</b> , 427, 1107-1117	6.7	98
119	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> , <b>2019</b> , 258, 117957	21.8	97
118	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> , <b>2018</b> , 511, 296-306	9.3	92
117	Recent advances in synthesis, modification and photocatalytic applications of micro/nano-structured zinc indium sulfide. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 407-431	14.7	92
116	Bioremediation of co-contaminated soil with heavy metals and pesticides: Influence factors, mechanisms and evaluation methods. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125657	14.7	90

115	Facile synthesis of a novel full-spectrum-responsive Co <sub>2</sub> FeS <sub>4</sub> nanoparticles for UV-, vis- and NIR-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 202, 104-111	21.8	90
114	Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg-thymine base pairs for Hg detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 90, 542-548	11.8	90
113	Regeneration and reutilization of cathode materials from spent lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123089	14.7	90
112	Thermochemical liquefaction of rice husk for bio-oil production in mixed solvent (ethanol/water). <i>Fuel Processing Technology</i> , <b>2013</b> , 112, 93-99	7.2	89
111	A novel SnS <sub>2</sub> /MgFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide flower-like photocatalyst: Solvothermal synthesis, characterization and improved visible-light photocatalytic activity. <i>Catalysis Communications</i> , <b>2015</b> , 61, 62-66	3.2	87
110	Recyclable zero-valent iron activating peroxymonosulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. <i>Bioresource Technology</i> , <b>2018</b> , 262, 294-301	11	86
109	Highly efficient removal of diclofenac sodium from medical wastewater by Mg/Al layered double hydroxide-poly(m-phenylenediamine) composite. <i>Chemical Engineering Journal</i> , <b>2019</b> , 366, 83-91	14.7	83
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> , <b>2019</b> , 535, 444-457	9.3	83
107	Speciation and environmental risk assessment of heavy metal in bio-oil from liquefaction/pyrolysis of sewage sludge. <i>Chemosphere</i> , <b>2015</b> , 120, 645-52	8.4	82
106	Nanostructured core-shell electrode materials for electrochemical capacitors. <i>Journal of Power Sources</i> , <b>2016</b> , 331, 408-425	8.9	82
105	Tailored indium sulfide-based materials for solar-energy conversion and utilization. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2019</b> , 38, 1-26	16.4	80
104	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 2604-2617	7.1	80
103	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> , <b>2020</b> , 384, 123310	14.7	76
102	Accelerated tetracycline degradation by persulfate activated with heterogeneous magnetic Ni <sub>3</sub> Fe <sub>3</sub> O <sub>4</sub> catalysts. <i>Chemical Engineering Journal</i> , <b>2018</b> , 350, 573-584	14.7	74
101	A comparative study of biomass pellet and biomass-sludge mixed pellet: Energy input and pellet properties. <i>Energy Conversion and Management</i> , <b>2016</b> , 126, 509-515	10.6	73
100	Functionality of surfactants in waste-activated sludge treatment: A review. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 1433-1442	10.2	72
99	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> , <b>2020</b> , 8, 4141-4173	13	72
98	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> , <b>2015</b> , 198, 16-22	11	68

97	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> , <b>2014</b> , 21, 11552-64	5.1	68
96	Complementary effects of torrefaction and co-pelletization: Energy consumption and characteristics of pellets. <i>Bioresource Technology</i> , <b>2015</b> , 185, 254-62	11	67
95	Co-pelletization of sewage sludge and biomass: The energy input and properties of pellets. <i>Fuel Processing Technology</i> , <b>2015</b> , 132, 55-61	7.2	65
94	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> , <b>2017</b> , 247, 215-229	6	60
93	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> , <b>2019</b> , 579, 123642	5.1	60
92	Photothermal-enhanced and fouling-resistant membrane for solar-assisted membrane distillation. <i>Journal of Membrane Science</i> , <b>2018</b> , 565, 254-265	9.6	59
91	Understanding structure-performance correlation of biochar materials in environmental remediation and electrochemical devices. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122977	14.7	59
90	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> , <b>2018</b> , 530, 481-492	9.3	59
89	Facile synthesis of CeO <sub>2</sub> nanoparticle sensitized CdS nanorod photocatalyst with improved visible-light photocatalytic degradation of rhodamine B. <i>RSC Advances</i> , <b>2015</b> , 5, 79556-79564	3.7	58
88	Effects of composition faults in ternary metal chalcogenides (ZnIn <sub>2</sub> S <sub>3</sub> <sub>x</sub> , x = 1B) layered crystals for visible-light-driven catalytic hydrogen generation and carbon dioxide reduction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117810	21.8	57
87	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> , <b>2018</b> , 529, 11-22	9.3	56
86	Environment-friendly fullerene separation methods. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 134-145	14.7	55
85	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> , <b>2014</b> , 436, 90-8	9.3	53
84	Pyrolysis and combustion kinetics of sludge-amphor pellet thermal decomposition using thermogravimetric analysis. <i>Energy Conversion and Management</i> , <b>2015</b> , 106, 282-289	10.6	52
83	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. <i>Journal of Environmental Management</i> , <b>2018</b> , 205, 99-106	7.9	51
82	Characterization of liquefaction bio-oil from sewage sludge and its solubilization in diesel microemulsion. <i>Energy</i> , <b>2015</b> , 82, 218-228	7.9	51
81	Recent advances in titanium metal-organic frameworks and their derived materials: Features, fabrication, and photocatalytic applications. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125080	14.7	48
80	Rhamnolipid based glycerol-in-diesel microemulsion fuel: Formation and characterization. <i>Fuel</i> , <b>2015</b> , 147, 76-81	7.1	47

79	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> , <b>2016</b> , 200, 320-7	11	46
78	Study on the solubilization capacity of bio-oil in diesel by microemulsion technology with Span80 as surfactant. <i>Fuel Processing Technology</i> , <b>2014</b> , 118, 141-147	7.2	46
77	Facile preparation of an Ag/AgVO <sub>3</sub> /BiOCl composite and its enhanced photocatalytic behavior for methylene blue degradation. <i>RSC Advances</i> , <b>2015</b> , 5, 98184-98193	3.7	45
76	Energy recovery and secondary pollutant emission from the combustion of co-pelletized fuel from municipal sewage sludge and wood sawdust. <i>Energy</i> , <b>2015</b> , 91, 441-450	7.9	44
75	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> , <b>2020</b> , 142, 18138-18149	16.4	44
74	Photocatalysis: Modulation of Bi <sub>2</sub> MoO <sub>6</sub> -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review (Small 23/2019). <i>Small</i> , <b>2019</b> , 15, 1970122	11	42
73	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> , <b>2015</b> , 70, 17-20	3.2	42
72	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> , <b>2015</b> , 5, 95643-95648	3.7	42
71	Metal-Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , <b>2020</b> , 14, 13500-13511	16.7	40
70	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> , <b>2021</b> , 303, 120904	21.8	38
69	Photocatalytic removal of antibiotics from natural water matrices and swine wastewater via Cu(I) coordinately polymeric carbon nitride framework. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 123638	14.7	38
68	Burgeoning prospects of biochar and its composite in persulfate-advanced oxidation process. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124893	12.8	38
67	Recent advances on ZIF-8 composites for adsorption and photocatalytic wastewater pollutant removal: Fabrication, applications and perspective. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 441, 213985	23.2	35
66	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> , <b>2018</b> , 8, 1545-1554	5.5	33
65	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> , <b>2016</b> , 23, 18657-71	5.1	33
64	Release behavior of heavy metals during treatment of dredged sediment by microwave-assisted hydrogen peroxide oxidation. <i>Chemical Engineering Journal</i> , <b>2014</b> , 258, 334-340	14.7	33
63	The comparison of oxidative thermokinetics between emulsion and microemulsion diesel fuel. <i>Energy Conversion and Management</i> , <b>2015</b> , 101, 364-370	10.6	31
62	Solvothermal synthesis of graphene/BiOCl <sub>0.75</sub> Br <sub>0.25</sub> microspheres with excellent visible-light photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 33696-33704	3.7	29

61	Roles of sulfur-edge sites, metal-edge sites, terrace sites, and defects in metal sulfides for photocatalysis. <i>Chem Catalysis</i> , <b>2021</b> , 1, 44-68		29
60	State-of-the-Art Advances and Challenges of Iron-Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. <i>Small</i> , <b>2019</b> , 15, e1803088	11	29
59	Facile synthesis of magnetic Bi <sub>2</sub> FeO <sub>4</sub> /rGO catalyst with efficient photocatalytic performance for phenolic compounds under visible light. <i>RSC Advances</i> , <b>2015</b> , 5, 4905-4908	3.7	28
58	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> , <b>2018</b> , 530, 493-504	9.3	28
57	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> , <b>2018</b> , 329, 217-231	5.2	27
56	Removal of Basic Dye from Aqueous Solution using Cinnamomum camphora Sawdust: Kinetics, Isotherms, Thermodynamics, and Mass-Transfer Processes. <i>Separation Science and Technology</i> , <b>2014</b> , 49, 2689-2699	2.5	27
55	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> , <b>2018</b> , 454, 293-304	6.7	27
54	Molecular Phosphorescence in Polymer Matrix with Reversible Sensitivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20765-20774	9.5	26
53	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> , <b>2017</b> , 31, 1574-1582	4.1	25
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