

# Xingzhong Yuan

## List of Publications by Year in descending order

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148  
papers

18,294  
citations

7568

77  
h-index

12597

132  
g-index

149  
all docs

149  
docs citations

149  
times ranked

14889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Doping of graphitic carbon nitride for photocatalysis: A review. Applied Catalysis B: Environmental, 2017, 217, 388-406.	20.2	1,194
2	Facile synthesis of amino-functionalized titanium metal-organic frameworks and their superior visible-light photocatalytic activity for Cr(VI) reduction. Journal of Hazardous Materials, 2015, 286, 187-194.	12.4	634
3	Synthesis and applications of novel graphitic carbon nitride/metal-organic frameworks mesoporous photocatalyst for dyes removal. Applied Catalysis B: Environmental, 2015, 174-175, 445-454.	20.2	594
4	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. Journal of Colloid and Interface Science, 2018, 519, 273-284.	9.4	552
5	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. Applied Catalysis B: Environmental, 2016, 186, 19-29.	20.2	538
6	Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater. Water Research, 2014, 67, 330-344.	11.3	527
7	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. Applied Catalysis B: Environmental, 2018, 227, 376-385.	20.2	495
8	Visible-light-driven removal of tetracycline antibiotics and reclamation of hydrogen energy from natural water matrices and wastewater by polymeric carbon nitride foam. Water Research, 2018, 144, 215-225.	11.3	481
9	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 221, 715-725.	20.2	438
10	Clay-Inspired MXene-Based Electrochemical Devices and Photo-Electrocatalyst: State-of-the-Art Progresses and Challenges. Advanced Materials, 2018, 30, e1704561.	21.0	431
11	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. ACS Sustainable Chemistry and Engineering, 2017, 5, 5831-5841.	6.7	337
12	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. Applied Catalysis B: Environmental, 2018, 233, 213-225.	20.2	297
13	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. Journal of Hazardous Materials, 2018, 347, 412-422.	12.4	296
14	Three dimensional graphene based materials: Synthesis and applications from energy storage and conversion to electrochemical sensor and environmental remediation. Advances in Colloid and Interface Science, 2015, 221, 41-59.	14.7	242
15	Advances in the application, toxicity and degradation of carbon nanomaterials in environment: A review. Environment International, 2020, 134, 105298.	10.0	241
16	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. Applied Catalysis B: Environmental, 2016, 193, 36-46.	20.2	235
17	Bioremediation of co-contaminated soil with heavy metals and pesticides: Influence factors, mechanisms and evaluation methods. Chemical Engineering Journal, 2020, 398, 125657.	12.7	235
18	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. Applied Catalysis B: Environmental, 2019, 245, 290-301.	20.2	229

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19	Total concentrations and chemical speciation of heavy metals in liquefaction residues of sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 4104-4110.	9.6	227
20	Photocatalytic Decontamination of Wastewater Containing Organic Dyes by Metal-Organic Frameworks and their Derivatives. <i>ChemCatChem</i> , 2017, 9, 41-64.	3.7	219
21	Regeneration and reutilization of cathode materials from spent lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 383, 123089.	12.7	213
22	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.	9.4	207
23	Adsorption behavior and mechanism of Mg/Fe layered double hydroxide with Fe <sub>3</sub> O <sub>4</sub> -carbon spheres on the removal of Pb(II) and Cu(II). <i>Journal of Colloid and Interface Science</i> , 2019, 536, 440-455.	9.4	207
24	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.	12.7	205
25	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.	9.4	193
26	MXene Ti <sub>3</sub> C <sub>2</sub> derived Z-scheme photocatalyst of graphene layers anchored TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> for visible light photocatalytic degradation of refractory organic pollutants. <i>Chemical Engineering Journal</i> , 2020, 394, 124921.	12.7	181
27	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.	18.8	180
28	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.	10.0	179
29	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.	4.3	174
30	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.	20.2	172
31	Recent advances in synthesis, modification and photocatalytic applications of micro/nano-structured zinc indium sulfide. <i>Chemical Engineering Journal</i> , 2018, 354, 407-431.	12.7	171
32	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.	12.7	171
33	Ti <sub>3</sub> C <sub>2</sub> MXene decorated black phosphorus nanosheets with improved visible-light photocatalytic activity: experimental and theoretical studies. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5171-5185.	10.3	168
34	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.	20.2	151
35	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.	12.7	150
36	Fe(II) catalyzing sodium percarbonate facilitates the dewaterability of waste activated sludge: Performance, mechanism, and implication. <i>Water Research</i> , 2020, 174, 115626.	11.3	150

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37	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.	3.5	149
38	Co-pelletization of sewage sludge and biomass: The density and hardness of pellet. <i>Bioresource Technology</i> , 2014, 166, 435-443.	9.6	146
39	Enhanced adsorptive removal of p-nitrophenol from water by aluminum metal-organic framework/reduced graphene oxide composite. <i>Scientific Reports</i> , 2016, 6, 25638.	3.3	134
40	A review on pyrolysis of protein-rich biomass: Nitrogen transformation. <i>Bioresource Technology</i> , 2020, 315, 123801.	9.6	131
41	Enhanced photocatalytic tetracycline degradation using N-CQDs/OV-BiOBr composites: Unraveling the complementary effects between N-CQDs and oxygen vacancy. <i>Chemical Engineering Journal</i> , 2020, 402, 126187.	12.7	131
42	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.	12.7	129
43	How does zero valent iron activating peroxydisulfate improve the dewatering of anaerobically digested sludge?. <i>Water Research</i> , 2019, 163, 114912.	11.3	124
44	The migration and transformation behavior of heavy metals during the liquefaction process of sewage sludge. <i>Bioresource Technology</i> , 2014, 167, 144-150.	9.6	122
45	Synthesis and characterization of 2D/OD g-C <sub>3</sub> N <sub>4</sub> /CdS-nitrogen doped hollow carbon spheres (NHCS) composites with enhanced visible light photodegradation activity for antibiotic. <i>Chemical Engineering Journal</i> , 2019, 374, 479-493.	12.7	122
46	Burgeoning prospects of biochar and its composite in persulfate-advanced oxidation process. <i>Journal of Hazardous Materials</i> , 2021, 409, 124893.	12.4	122
47	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.	4.3	121
48	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.	12.7	121
49	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.	9.4	120
50	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.	9.4	119
51	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.	3.6	118
52	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.	9.6	115
53	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.	10.0	111
54	Chemical speciation, mobility and phyto-accessibility of heavy metals in fly ash and slag from combustion of pelletized municipal sewage sludge. <i>Science of the Total Environment</i> , 2015, 536, 774-783.	8.0	110

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55	Beneficial synergistic effect on bio-oil production from co-liquefaction of sewage sludge and lignocellulosic biomass. <i>Bioresource Technology</i> , 2018, 251, 49-56.	9.6	106
56	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> , 2017, 202, 104-111.	20.2	102
57	Speciation and environmental risk assessment of heavy metal in bio-oil from liquefaction/pyrolysis of sewage sludge. <i>Chemosphere</i> , 2015, 120, 645-652.	8.2	100
58	Functionality of surfactants in waste-activated sludge treatment: A review. <i>Science of the Total Environment</i> , 2017, 609, 1433-1442.	8.0	100
59	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> , 2015, 61, 62-66.	3.3	99
60	Methane emissions from newly created marshes in the drawdown area of the Three Gorges Reservoir. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	97
61	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.	4.7	96
62	Photocatalytic degradation of tetracycline antibiotics using delafossite silver ferrite-based Z-scheme photocatalyst: Pathways and mechanism insight. <i>Chemosphere</i> , 2021, 270, 128651.	8.2	95
63	Photocatalytic removal of antibiotics by MOF-derived Ti <sup>3+</sup> - and oxygen vacancy-doped anatase/rutile TiO <sub>2</sub> distributed in a carbon matrix. <i>Chemical Engineering Journal</i> , 2022, 427, 130945.	12.7	95
64	Strategies to extend near-infrared light harvest of polymer carbon nitride photocatalysts. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213947.	18.8	94
65	An integrated model for assessing heavy metal exposure risk to migratory birds in wetland ecosystem: A case study in Dongting Lake Wetland, China. <i>Chemosphere</i> , 2015, 135, 14-19.	8.2	93
66	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. <i>Environmental Science: Nano</i> , 2018, 5, 2604-2617.	4.3	93
67	Recent advances in titanium metal-organic frameworks and their derived materials: Features, fabrication, and photocatalytic applications. <i>Chemical Engineering Journal</i> , 2020, 395, 125080.	12.7	93
68	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.	9.6	90
69	Fabrication and regulation of vacancy-mediated bismuth oxyhalide towards photocatalytic application: Development status and tendency. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214033.	18.8	90
70	Photocatalytic degradation of persistent organic pollutants by Co-Cl bond reinforced CoAl-LDH/Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> photocatalyst: mechanism and application prospect evaluation. <i>Water Research</i> , 2022, 219, 118558.	11.3	90
71	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.	9.4	89
72	Near-Infrared Light Responsive TiO <sub>2</sub> for Efficient Solar Energy Utilization. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	88

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73	Tube wall delamination engineering induces photogenerated carrier separation to achieve photocatalytic performance improvement of tubular g-C <sub>3</sub> N <sub>4</sub> . <i>Journal of Hazardous Materials</i> , 2022, 424, 127177.	12.4	85
74	Defective polymeric carbon nitride: Fabrications, photocatalytic applications and perspectives. <i>Chemical Engineering Journal</i> , 2022, 427, 130991.	12.7	85
75	Complementary effects of torrefaction and co-pelletization: Energy consumption and characteristics of pellets. <i>Bioresource Technology</i> , 2015, 185, 254-262.	9.6	84
76	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.	6.1	83
77	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.	9.4	81
78	Core-shell Ag@nitrogen-doped carbon quantum dots modified BiVO <sub>4</sub> nanosheets with enhanced photocatalytic performance under Vis-NIR light: Synergism of molecular oxygen activation and surface plasmon resonance. <i>Chemical Engineering Journal</i> , 2021, 410, 128336.	12.7	79
79	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.	12.7	78
80	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> , 2015, 5, 79556-79564.	3.6	77
81	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. <i>Journal of Environmental Management</i> , 2018, 205, 99-106.	7.8	75
82	The migration and transformation behavior of heavy metals during co-liquefaction of municipal sewage sludge and lignocellulosic biomass. <i>Bioresource Technology</i> , 2018, 259, 156-163.	9.6	74
83	Enhanced dewaterability of anaerobically digested sludge by in-situ free nitrous acid treatment. <i>Water Research</i> , 2020, 169, 115264.	11.3	73
84	The effects of temperature and color value on hydrochars' properties in hydrothermal carbonization. <i>Bioresource Technology</i> , 2018, 249, 574-581.	9.6	71
85	Adsorption behaviors and mechanisms of Fe/Mg layered double hydroxide loaded on bentonite on Cd (II) and Pb (II) removal. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 572-583.	9.4	71
86	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> , 2019, 15, 1970122.	10.0	70
87	Efficient visible-light driven photocatalyst, silver (meta)vanadate: Synthesis, morphology and modification. <i>Chemical Engineering Journal</i> , 2018, 352, 782-802.	12.7	65
88	Strategic combination of nitrogen-doped carbon quantum dots and g-C <sub>3</sub> N <sub>4</sub> : Efficient photocatalytic peroxydisulfate for the degradation of tetracycline hydrochloride and mechanism insight. <i>Separation and Purification Technology</i> , 2021, 272, 118947.	7.9	65
89	Physicochemical properties, metal availability and bacterial community structure in heavy metal-polluted soil remediated by montmorillonite-based amendments. <i>Chemosphere</i> , 2020, 261, 128010.	8.2	60
90	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, 320-327.	9.6	58



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91	2D single- and few-layered MXenes: synthesis, applications and perspectives. Journal of Materials Chemistry A, 2022, 10, 13651-13672.	10.3	56
92	Adsorption of surfactants on a Pseudomonas aeruginosa strain and the effect on cell surface lyphohydrophilic property. Applied Microbiology and Biotechnology, 2007, 76, 1189-1198.	3.6	55
93	Facile preparation of an Ag/AgVO <sub>3</sub> /BiOCl composite and its enhanced photocatalytic behavior for methylene blue degradation. RSC Advances, 2015, 5, 98184-98193.	3.6	55
94	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. RSC Advances, 2015, 5, 95643-95648.	3.6	54
95	Recovery of CuO/C catalyst from spent anode material in battery to activate peroxymonosulfate for refractory organic contaminants degradation. Journal of Hazardous Materials, 2021, 420, 126552.	12.4	52
96	Peroxide/Zero-valent iron (Fe0) pretreatment for promoting dewaterability of anaerobically digested sludge: A mechanistic study. Journal of Hazardous Materials, 2020, 400, 123112.	12.4	49
97	Defect engineering in polymeric carbon nitride photocatalyst: Synthesis, properties and characterizations. Advances in Colloid and Interface Science, 2021, 296, 102523.	14.7	49
98	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. Catalysis Communications, 2015, 70, 17-20.	3.3	45
99	Nitrogen doped carbon quantum dots promoted the construction of Z-scheme system with enhanced molecular oxygen activation ability. Journal of Colloid and Interface Science, 2019, 541, 123-132.	9.4	44
100	Steering photo-excitons towards active sites: Intensified substrates affinity and spatial charge separation for photocatalytic molecular oxygen activation and pollutant removal. Chemical Engineering Journal, 2021, 408, 127334.	12.7	44
101	Single-Atom Catalysts for Hydrogen Generation: Rational Design, Recent Advances, and Perspectives. Advanced Energy Materials, 2022, 12, .	19.5	42
102	Near-infrared-driven Cr( <sup>VI</sup> ) reduction in aqueous solution based on a MoS <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> photocatalyst. Catalysis Science and Technology, 2018, 8, 1545-1554.	4.1	41
103	Mechanistic insights of removing pollutant in adsorption and advanced oxidation processes by sludge biochar. Journal of Hazardous Materials, 2022, 430, 128375.	12.4	41
104	Insight on the plasmonic Z-scheme mechanism underlying the highly efficient photocatalytic activity of silver molybdate/silver vanadate composite in rhodamine B degradation. Journal of Colloid and Interface Science, 2018, 530, 493-504.	9.4	40
105	Effects of human activities and climate change on the reduction of visibility in Beijing over the past 36 years. Environment International, 2018, 116, 92-100.	10.0	39
106	A real filed phytoremediation of multi-metals contaminated soils by selected hybrid sweet sorghum with high biomass and high accumulation ability. Chemosphere, 2019, 237, 124536.	8.2	39
107	Fast removal of tetracycline from wastewater by reduced graphene oxide prepared via microwave-assisted ethylenediamine-N,N'-disuccinic acid induction method. Environmental Science and Pollution Research, 2016, 23, 18657-18671.	5.3	37
108	A method for heavy metal exposure risk assessment to migratory herbivorous birds and identification of priority pollutants/areas in wetlands. Environmental Science and Pollution Research, 2016, 23, 11806-11813.	5.3	37

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109	Characteristics of Particulate Pollution (PM <sub>2.5</sub> and PM <sub>10</sub> ) and Their Spacescale-Dependent Relationships with Meteorological Elements in China. <i>Sustainability</i> , 2017, 9, 2330.	3.2	36
110	Core-shell structured cadmium sulfide nanocomposites for solar energy utilization. <i>Advances in Colloid and Interface Science</i> , 2020, 282, 102209.	14.7	36
111	Energy and eco-exergy evaluation of wetland restoration based on the construction of a wetland landscape in the northwest Yunnan Plateau, China. <i>Journal of Environmental Management</i> , 2019, 252, 109499.	7.8	35
112	Carboxymethyl cellulose stabilized ferrous sulfide@extracellular polymeric substance for Cr(VI) removal: Characterization, performance, and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 425, 127837.	12.4	35
113	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> , 2015, 5, 33696-33704.	3.6	33
114	Application of functionalized layered double hydroxides for heavy metal removal: A review. <i>Science of the Total Environment</i> , 2022, 838, 155693.	8.0	33
115	Risk assessment of heavy metals from combustion of pelletized municipal sewage sludge. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3934-3942.	5.3	31
116	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.	5.3	31
117	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.	12.4	31
118	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	30
119	Comprehensive assessment of eutrophication status based on Monte Carlo-triangular fuzzy numbers model: site study of Dongting Lake, Mid-South China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	30
120	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.	3.4	30
121	Biochar Facilitated Hydroxyapatite/Calcium Silicate Hydrate for Remediation of Heavy Metals Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	30
122	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.	5.1	29
123	Recent Progress on Fullerene-Based Materials: Synthesis, Properties, Modifications, and Photocatalytic Applications. <i>Materials</i> , 2020, 13, 2924.	2.9	29
124	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.	6.0	29
125	Aggregate-based sub-CMC solubilization of n-alkanes by monorhamnolipid biosurfactant. <i>New Journal of Chemistry</i> , 2016, 40, 2028-2035.	2.8	28
126	In-situ construction of 2D/1D Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanoflake/S-doped g-C <sub>3</sub> N <sub>4</sub> hollow tube hierarchical heterostructure with enhanced visible-light photocatalytic activity. <i>Chemical Engineering Journal</i> , 2021, 426, 130767.	12.7	26



#	ARTICLE	IF	CITATIONS
127	Selective graphene-like metal-free 2D nanomaterials and their composites for photocatalysis. Chemosphere, 2021, 284, 131254.	8.2	26
128	Aggregate-based sub-CMC solubilization of hexadecane by surfactants. RSC Advances, 2015, 5, 78142-78149.	3.6	25
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