

Gaoke Zhang

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.

177
papers

10,438
citations

66
h-index

94
g-index

184
ext. papers

12,529
ext. citations

9.3
avg, IF

7.39
L-index

#	Paper	IF	Citations
177	2D WO Nanosheet with Rich Oxygen Vacancies for Efficient Visible-Light-Driven Photocatalytic Nitrogen Fixation.. <i>Langmuir</i> , 2022 ,	4	2
176	Advances in single-atom catalysts: Design, synthesis and environmental applications.. <i>Journal of Hazardous Materials</i> , 2022 , 429, 128285	12.8	1
175	Ti3C2 MXene/Ag2ZnGeO4 Schottky heterojunctions with enhanced photocatalytic performances: Efficient charge separation and mechanism studies. <i>Separation and Purification Technology</i> , 2022 , 278, 119560	8.3	2
174	Fabrication of 1D/2D BiPO4/g-CN heterostructured photocatalyst with enhanced photocatalytic efficiency for NO removal. <i>Chemosphere</i> , 2022 , 287, 132098	8.4	17
173	Single-atom V-N charge-transfer bridge on ultrathin carbon nitride for efficient photocatalytic H2 production and formaldehyde oxidation under visible light. <i>Chemical Engineering Journal</i> , 2022 , 429, 132229	14.7	10
172	Efficient degradation of organic pollutants by activated peroxydisulfate over TiO2/C decorated Mg-Fe layered double oxides: Degradation pathways and mechanism.. <i>Chemosphere</i> , 2022 , 134564	8.4	0
171	Self-assembled ultrathin closely bonded 2D/2D heterojunction for enhanced visible-light-induced photocatalytic oxidation and reaction mechanism insights. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 2472-2472	9.3	0
170	Visible-NIR light-responsive 0D/2D CQDs/SbWO4 nanosheets with enhanced photocatalytic degradation performance of RhB: Unveiling the dual roles of CQDs and mechanism study. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127595	12.8	9
169	Rich oxygen vacancies mediated bismuth oxysulfide crystals towards photocatalytic CO2-to-CH4 conversion. <i>Science China Materials</i> , 2021 , 64, 2230-2241	7.1	11
168	Novel AgI/Bi2S3 heterojunction for efficient photocatalytic degradation of organic pollutants under visible light: Interfacial electron transfer pathway, DFT calculation and degradation mechanism study. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124948	12.8	61
167	Facile fabrication of AgI/Sb2S3 heterojunction photocatalyst with enhanced visible-light driven photocatalytic performance for efficient degradation of organic pollutants in water. <i>Environmental Research</i> , 2021 , 197, 111143	7.9	12
166	Efficient persulfate activation by hematite nanocrystals for degradation of organic pollutants under visible light irradiation: Facet-dependent catalytic performance and degradation mechanism. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119883	21.8	63
165	S-scheme Sb2WO6/g-C3N4 photocatalysts with enhanced visible-light-induced photocatalytic NO oxidation performance. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 69-77	11.3	70
164	Highly Enhanced Full Solar Spectrum-Driven Photocatalytic CO2 Reduction Performance in Cu2S/g-C3N4 Composite: Efficient Charge Transfer and Mechanism Insight. <i>Solar Rrl</i> , 2021 , 5, 2000326	7.1	42
163	Efficient activation of persulfate by a magnetic recyclable rape straw biochar catalyst for the degradation of tetracycline hydrochloride in water. <i>Science of the Total Environment</i> , 2021 , 758, 143957	10.2	76
162	Two-dimensional MXene-based and MXene-derived photocatalysts: Recent developments and perspectives. <i>Chemical Engineering Journal</i> , 2021 , 409, 128099	14.7	69
161	Carbon dots modified bismuth antimonate for broad spectrum photocatalytic degradation of organic pollutants: Boosted charge separation, DFT calculations and mechanism unveiling. <i>Chemical Engineering Journal</i> , 2021 , 418, 129460	14.7	19

160	Enhanced degradation of tetracycline in water over Cu-doped hematite nanoplates by peroxymonosulfate activation under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125838	12.8	33
159	Promoted charge separation from nickel intervening in [Bi ₂ O ₂] ²⁺ layers of Bi ₂ O ₂ S crystals for enhanced photocatalytic CO ₂ conversion. <i>Applied Catalysis B: Environmental</i> , 2021 , 294, 120249	21.8	17
158	Cobalt doped bismuth oxysulfide with abundant oxygen vacancies towards tetracycline degradation through peroxymonosulfate activation. <i>Separation and Purification Technology</i> , 2021 , 275, 119100	8.3	8
157	The fabrication of two-dimensional g-CN/NaBiO ₂ /HO heterojunction for improved photocatalytic CO reduction: DFT study and mechanism unveiling. <i>Journal of Colloid and Interface Science</i> , 2021 , 604, 122-130	9.3	14
156	Fabrication of Ag/carbon nitride photocatalysts and their enhanced photocatalytic performance for tetracycline degradation. <i>Functional Materials Letters</i> , 2020 , 13, 2051033	1.2	2
155	Construction of 2D/2D Bi ₂ Se ₃ /g-C ₃ N ₄ nanocomposite with High interfacial charge separation and photo-heat conversion efficiency for selective photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119232	21.8	77
154	Vacancy mediated Z-scheme charge transfer in a 2D/2D La ₂ Ti ₂ O ₇ /g-C ₃ N ₄ nanojunction as a bifunctional photocatalyst for solar-to-energy conversion. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13241-13247	13.8	80
153	Sepiolite supported BiVO nanocomposites for efficient photocatalytic degradation of organic pollutants: Insight into the interface effect towards separation of photogenerated charges. <i>Science of the Total Environment</i> , 2020 , 722, 137825	10.2	30
152	Metal-free polymeric (SCN) _n photocatalyst with adjustable bandgap for efficient organic pollutants degradation and Cr(VI) reduction under visible-light irradiation. <i>Chemical Engineering Journal</i> , 2020 , 402, 126147	14.7	24
151	Magnetic yolk-shell structure of ZnFe ₂ O ₄ nanoparticles for enhanced visible light photo-Fenton degradation towards antibiotics and mechanism study. <i>Applied Surface Science</i> , 2020 , 513, 145820	6.7	45
150	Tungsten bronze Cs _{0.33} WO ₃ nanorods modified by molybdenum for improved photocatalytic CO ₂ reduction directly from air. <i>Science China Materials</i> , 2020 , 63, 2206-2214	7.1	16
149	Sb ₂ WO ₆ /BiOBr 2D nanocomposite S-scheme photocatalyst for NO removal. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 236-243	9.1	50
148	Fabrication of functionalized plasmonic Ag loaded Bi ₂ O ₃ /montmorillonite nanocomposites for efficient photocatalytic removal of antibiotics and organic dyes. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 152836	5.7	37
147	Fabrication of Z-scheme MoO ₃ /Bi ₂ O ₄ heterojunction photocatalyst with enhanced photocatalytic performance under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 161-169	11.3	81
146	Ultrasonic-assisted fabrication of a direct Z-scheme BiOI/Bi ₂ O ₄ heterojunction with superior visible light-responsive photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153417	5.7	40
145	Enhanced photocatalytic performance of tungsten-based photocatalysts for degradation of volatile organic compounds: a review. <i>Tungsten</i> , 2020 , 2, 240-250	4.6	28
144	Boosting interfacial charge separation of Ba ₅ Nb ₄ O ₁₅ /g-C ₃ N ₄ photocatalysts by 2D/2D nanojunction towards efficient visible-light driven H ₂ generation. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 117730	21.8	117
143	A mechanistic study of amorphous CoS _x cages as advanced oxidation catalysts for excellent peroxymonosulfate activation towards antibiotics degradation. <i>Chemical Engineering Journal</i> , 2020 , 381, 122768	14.7	61

142	Low boiling point solvent mediated strategy to synthesize functionalized monolayer carbon nitride for superior photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 260, 118181	21.8	82
141	Enhanced piezoelectric-induced catalysis of SrTiO nanocrystal with well-defined facets under ultrasonic vibration. <i>Ultrasonics Sonochemistry</i> , 2020 , 61, 104819	8.9	49
140	High piezocatalytic activity of ZnO/Al ₂ O ₃ nanosheets utilizing ultrasonic energy for wastewater treatment. <i>Journal of Cleaner Production</i> , 2020 , 242, 118532	10.3	41
139	Selective Photocatalytic Oxidation of Low Concentration Methane over Graphitic Carbon Nitride-Decorated Tungsten Bronze Cesium. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4382-4389	8.3	28
138	One-Dimensional/Two-Dimensional Core-Shell-Structured BiO/BiO Heterojunction for Highly Efficient Broad Spectrum Light-Driven Photocatalysis: Faster Interfacial Charge Transfer and Enhanced Molecular Oxygen Activation Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7112-7122	9.5	86
137	Enhanced broad spectrum (vis-NIR) responsive photocatalytic performance of Ag ₂ O/rectorite nanoarchitectures. <i>Applied Surface Science</i> , 2019 , 491, 216-224	6.7	9
136	Vis-NIR responsive Bi ₂₄ O ₃₁ Br ₁₀ and corresponding composite with up-conversion phosphor towards efficient photocatalytic oxidation. <i>Applied Surface Science</i> , 2019 , 489, 210-219	6.7	16
135	Facile preparation of visible-light-responsive kaolin-supported Ag@AgBr composites and their enhanced photocatalytic properties. <i>Applied Clay Science</i> , 2019 , 175, 76-85	5.2	24
134	Photocatalytic CO Conversion of MWO Directly from the Air with High Selectivity: Insight into Full Spectrum-Induced Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5267-5274	16.4	146
133	Direct Synthesis of the 2D Copper(II) 5-Prop-2-ynoxyisophthalate MOF: Comment on "Surface Functionalization of Porous Coordination Nanocages Via Click Chemistry and Their Application in Drug Delivery". <i>Advanced Materials</i> , 2019 , 31, e1801399	24	14
132	0D Bi nanodots/2D Bi ₃ NbO ₇ nanosheets heterojunctions for efficient visible light photocatalytic degradation of antibiotics: Enhanced molecular oxygen activation and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 39-49	21.8	154
131	Enhanced Generation of Reactive Oxygen Species under Visible Light Irradiation by Adjusting the Exposed Facet of FeWO Nanosheets To Activate Oxalic Acid for Organic Pollutant Removal and Cr(VI) Reduction. <i>Environmental Science & Technology</i> , 2019 , 53, 11023-11030	10.3	107
130	Microporous core-shell Co ₁₁ (HPO ₃) ₈ (OH) ₆ /Co ₁₁ (PO ₃) ₈ O ₆ nanowires for highly efficient electrocatalytic oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118091	21.8	15
129	Ag-Bridged Z-Scheme 2D/2D BiFeTiO/g-CN Heterojunction for Enhanced Photocatalysis: Mediator-Induced Interfacial Charge Transfer and Mechanism Insights. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27686-27696	9.5	146
128	Amorphous Bimetallic Cobalt Nickel Sulfide Cocatalysts for Significantly Boosting Photocatalytic Hydrogen Evolution Performance of Graphitic Carbon Nitride: Efficient Interfacial Charge Transfer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26898-26908	9.5	71
127	Novel BiSbO ₄ /BiOBr nanoarchitecture with enhanced visible-light driven photocatalytic performance: Oxygen-induced pathway of activation and mechanism unveiling. <i>Applied Surface Science</i> , 2019 , 498, 143850	6.7	85
126	Ultrathin MnO ₂ nanosheets for optimized hydrogen evolution via formaldehyde reforming in water at room temperature. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 466-476	21.8	32
125	Electrothermal regeneration by Joule heat effect on carbon cloth based MnO ₂ catalyst for long-term formaldehyde removal. <i>Chemical Engineering Journal</i> , 2019 , 357, 1-10	14.7	47

124	Controlled synthesis of Bi ₂ NbO ₅ F plates with exposed {010} facet by molten salt method and their photocatalytic mechanism insights. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 586-593	5.7	8
123	Full spectrum light driven photocatalytic in-situ epitaxy of one-unit-cell Bi ₂ O ₂ CO ₃ layers on Bi ₂ O ₄ nanocrystals for highly efficient photocatalysis and mechanism unveiling. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 667-677	21.8	83
122	A novel Fe ₂ O ₃ @g-C ₃ N ₄ catalyst: Synthesis derived from Fe-based MOF and its superior photo-Fenton performance. <i>Applied Surface Science</i> , 2019 , 469, 331-339	6.7	181
121	Simultaneous and efficient removal of fluoride and phosphate by Fe-La composite: Adsorption kinetics and mechanism. <i>Journal of Alloys and Compounds</i> , 2018 , 753, 422-432	5.7	78
120	Ba ₅ Ta ₄ O ₁₅ Nanosheet/AgVO ₃ Nanoribbon Heterojunctions with Enhanced Photocatalytic Oxidation Performance: Hole Dominated Charge Transfer Path and Plasmonic Effect Insight. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6682-6692	8.3	74
119	Enhanced molecular oxygen activation of Ni ²⁺ -doped BiO _{2-x} nanosheets under UV, visible and near-infrared irradiation: Mechanism and DFT study. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 167-177	21.8	100
118	Synthesis of stable burger-like Fe ₂ O ₃ catalysts: Formation mechanism and excellent photo-Fenton catalytic performance. <i>Journal of Cleaner Production</i> , 2018 , 180, 550-559	10.3	87
117	Z-scheme g-C ₃ N ₄ @CsxWO ₃ heterostructure as smart window coating for UV isolating, Vis penetrating, NIR shielding and full spectrum photocatalytic decomposing VOCs. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 218-226	21.8	124
116	A novel open framework spheicidite photocatalyst with excellent visible light photocatalytic activity: Silver sensitization effect and DFT study. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 433-441	21.8	34
115	Vacancy-Rich Monolayer BiO _{2-x} as a Highly Efficient UV, Visible, and Near-Infrared Responsive Photocatalyst. <i>Angewandte Chemie</i> , 2018 , 130, 500-504	3.6	42
114	Vacancy-Rich Monolayer BiO as a Highly Efficient UV, Visible, and Near-Infrared Responsive Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 491-495	16.4	284
113	Graphene-assisted photothermal effect on promoting catalytic activity of layered MnO ₂ for gaseous formaldehyde oxidation. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 77-85	21.8	85
112	Reutilization of iron sludge as heterogeneous Fenton catalyst for the degradation of rhodamine B: Role of sulfur and mesoporous structure. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 441-448	9.3	45
111	Motivating visible light photocatalytic activity of ultrathin BiO(OH)Cl solid solution with exposed {001} facets by the co-effect of oxygen vacancy and OH replacement. <i>Nanoscale</i> , 2018 , 10, 15294-15302	7.7	18
110	Noble metal-free modified ultrathin carbon nitride with promoted molecular oxygen activation for photocatalytic formaldehyde oxidization and DFT study. <i>Applied Surface Science</i> , 2018 , 458, 59-69	6.7	49
109	Synthesis of stable and easily recycled ferric oxides assisted by Rhodamine B for efficient degradation of organic pollutants in heterogeneous photo-Fenton system. <i>Journal of Cleaner Production</i> , 2018 , 196, 1501-1507	10.3	22
108	Ultrasound assisted synthesis of BiNbOF/rectorite composite and its photocatalytic mechanism insights. <i>Ultrasonics Sonochemistry</i> , 2018 , 48, 404-411	8.9	18
107	Understanding the seesaw effect of interlayered K ⁺ with different structure in manganese oxides for the enhanced formaldehyde oxidation. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 863-870	21.8	88

106	Graphene-Based Nanocomposites for Efficient Photocatalytic Hydrogen Evolution: Insight into the Interface toward Separation of Photogenerated Charges. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43760-43767	9.5	35
105	Inter-diffusion of Cu ²⁺ ions into CuS nanocrystals confines the microwave absorption properties. <i>CrystEngComm</i> , 2018 , 20, 6565-6572	3.3	10
104	Novel Three-Dimensional Flowerlike BiOBr/Bi ₂ SiO ₅ p-n Heterostructured Nanocomposite for Degradation of Tetracycline: Enhanced Visible Light Photocatalytic Activity and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14221-14229	8.3	80
103	Synthesis of 2D MOF having potential for efficient dye adsorption and catalytic applications. <i>Catalysis Science and Technology</i> , 2018 , 8, 4010-4017	5.5	57
102	Graphene modified iron sludge derived from homogeneous Fenton process as an efficient heterogeneous Fenton catalyst for degradation of organic pollutants. <i>Microporous and Mesoporous Materials</i> , 2017 , 238, 62-68	5.3	92
101	Fabrication of AgFeO ₂ /g-C ₃ N ₄ nanocatalyst with enhanced and stable photocatalytic performance. <i>Applied Surface Science</i> , 2017 , 391, 415-422	6.7	86
100	Ultrasonic-assistant fabrication of cocoon-like Ag/AgFeO nanocatalyst with excellent plasmon enhanced visible-light photocatalytic activity. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 208-215	8.9	79
99	Controlled synthesis of BiFeO ₃ with different morphologies: growth mechanism and enhanced photo-Fenton catalytic properties. <i>Dalton Transactions</i> , 2017 , 46, 10586-10593	4.3	28
98	Potassium Tantalate K ₆ Ta _{10.8} O ₃₀ with Tungsten Bronze Structure and Its Photocatalytic Property. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 189-195	4.9	8
97	Layered birnessite-type MnO ₂ with surface pits for enhanced catalytic formaldehyde oxidation activity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5719-5725	13	117
96	Pt-TiO ₂ microspheres with exposed {001} facets for degradation of formaldehyde in air: Formation mechanism and enhanced visible light photocatalytic activity. <i>Materials Research Bulletin</i> , 2017 , 96, 262-269	5.1	18
95	Mesocrystalline Zn-Doped FeO Hollow Submicrospheres: Formation Mechanism and Enhanced Photo-Fenton Catalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8900-8909	9.5	139
94	Novel visible-light-driven Z-scheme Bi ₁₂ GeO ₂₀ /g-C ₃ N ₄ photocatalyst: Oxygen-induced pathway of organic pollutants degradation and proton assisted electron transfer mechanism of Cr(VI) reduction. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 17-26	21.8	219
93	Development of Mixed metal Metal-organic polyhedra networks, colloids, and MOFs and their Pharmacokinetic applications. <i>Scientific Reports</i> , 2017 , 7, 832	4.9	23
92	Facile preparation of BiOX (X = Cl, Br, I) nanoparticles and up-conversion phosphors/BiOBr composites for efficient degradation of NO gas: Oxygen vacancy effect and near infrared light responsive mechanism. <i>Chemical Engineering Journal</i> , 2017 , 325, 59-70	14.7	112
91	Heterogeneous Fenton degradation of organic dyes in batch and fixed bed using La-Fe montmorillonite as catalyst. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 859-868	9.3	67
90	BiVO ₄ microcube with step surface for visible light photocatalytic reduction of Cr(VI): Enhanced activity and ultrasound assisted regeneration. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 289-297	8.9	25
89	Synthesis of Cu-codoped titania/attapulgite composites with enhanced visible-light photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 379-388	11.3	12

88	Core-shell Ag@Pt nanoparticles supported on sepiolite nanofibers for the catalytic reduction of nitrophenols in water: Enhanced catalytic performance and DFT study. <i>Applied Catalysis B: Environmental</i> , 2017 , 205, 262-270	21.8	145
87	Bi ₂₄ Ga ₂ O ₃₉ for visible light photocatalytic reduction of Cr(VI): Controlled synthesis, facet-dependent activity and DFT study. <i>Chemical Engineering Journal</i> , 2017 , 314, 249-256	14.7	71
86	A Stable Fe ₂ O ₃ /Expanded Perlite Composite Catalyst for Degradation of Rhodamine B in Heterogeneous Photo-Fenton System. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	19
85	0D/2D Z-Scheme Heterojunctions of Bismuth Tantalate Quantum Dots/Ultrathin g-CN Nanosheets for Highly Efficient Visible Light Photocatalytic Degradation of Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43704-43715	9.5	258
84	Morphology-dependent catalytic activity of plasmonic MoO ₃ for hydrolytic dehydrogenation of ammonia borane. <i>Functional Materials Letters</i> , 2017 , 10, 1750079	1.2	9
83	Boosting molecular oxygen activation of SrTiO ₃ by engineering exposed facets for highly efficient photocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23822-23830	13	36
82	A sillenite-type Bi ₁₂ MnO ₂₀ photocatalyst: UV, visible and infrared lights responsive photocatalytic properties induced by the hybridization of Mn 3d and O 2p orbitals. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 132-141	21.8	42
81	Series of M _x WO ₃ /ZnO (M = K, Rb, NH ₄) nanocomposites: Combination of energy saving and environmental decontamination functions. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 128-136	21.8	79
80	Efficient removal of fluoride by hierarchical CeFe bimetal oxides adsorbent: Thermodynamics, kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2016 , 283, 721-729	14.7	160
79	Enhanced ultrasound-assisted degradation of methyl orange and metronidazole by rectorite-supported nanoscale zero-valent iron. <i>Ultrasonics Sonochemistry</i> , 2016 , 28, 62-68	8.9	89
78	A novel high efficient MgCe adsorbent for fluoride removal: kinetics, thermodynamics and reusability. <i>Desalination and Water Treatment</i> , 2016 , 57, 23844-23855		14
77	Novel Ag/AgCl/K ₆ Nb _{10.8} O ₃₀ photocatalyst and its enhanced visible light photocatalytic activities for the degradation of microcystin-LR and acid red G. <i>Journal of Molecular Catalysis A</i> , 2016 , 411, 364-371		19
76	Synthesis of Cu/TiO ₂ /organo-attapulgit fiber nanocomposite and its photocatalytic activity for degradation of acetone in air. <i>Applied Surface Science</i> , 2016 , 362, 257-264	6.7	39
75	Sepiolite nanofiber-supported platinum nanoparticle catalysts toward the catalytic oxidation of formaldehyde at ambient temperature: Efficient and stable performance and mechanism. <i>Chemical Engineering Journal</i> , 2016 , 288, 70-78	14.7	102
74	Green synthesis of a bifunctional FeMontmorillonite composite during the Fenton degradation process and its enhanced adsorption and heterogeneous photo-Fenton catalytic properties. <i>RSC Advances</i> , 2016 , 6, 2537-2545	3.7	33
73	Preparation and photocatalytic properties of visible light driven Ag ₂ AgCl/TiO ₂ /palygorskite composite. <i>Journal of Alloys and Compounds</i> , 2016 , 657, 801-808	5.7	37
72	Microtetrahedral Bi ₁₂ TiO ₂₀ /g-C ₃ N ₄ composite with enhanced visible light photocatalytic activity toward gaseous formaldehyde degradation: Facet coupling effect and mechanism study. <i>Journal of Molecular Catalysis A</i> , 2016 , 424, 311-322		33
71	Efficient activation of peroxymonosulfate by manganese oxide for the degradation of azo dye at ambient condition. <i>Journal of Colloid and Interface Science</i> , 2015 , 454, 44-51	9.3	54

70	Synthesis and facet-dependent enhanced photocatalytic activity of Bi ₂ SiO ₅ /AgI nanoplate photocatalysts. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16737-16745	13	107
69	Mesoporous mixed-phase Ga ₂ O ₃ : Green synthesis and enhanced photocatalytic activity. <i>Materials Research Bulletin</i> , 2015 , 68, 254-259	5.1	21
68	Visible-light-driven g-C ₃ N ₄ /Ti ₃ +TiO ₂ photocatalyst co-exposed {0 0 1} and {1 0 1} facets and its enhanced photocatalytic activities for organic pollutant degradation and Cr(VI) reduction. <i>Applied Surface Science</i> , 2015 , 358, 223-230	6.7	127
67	Facile synthesis and enhanced visible-light photocatalytic activity of micro/nanostructured Ag ₂ ZnGeO ₄ hollow spheres. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 193, 198-205	3.1	8
66	Preparation and characterization of bifunctional Ti-Fe kaolinite composite for Cr(VI) removal. <i>Journal of Colloid and Interface Science</i> , 2015 , 442, 30-8	9.3	106
65	Adsorption of Rhodamine B onto a yellowBrown soil: Kinetics, thermodynamics, and role of soil organic matter. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 1396-1403	2.5	6
64	Enhanced photo-Fenton degradation of rhodamine B using graphene oxide-amorphous FePO ₄ s effective and stable heterogeneous catalyst. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 460-6	9.3	93
63	Facile synthesis of Ag ₂ O-TiO ₂ /sepiolite composites with enhanced visible-light photocatalytic properties. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2219-2228	11.3	38
62	Synthesis of bicrystalline TiO ₂ supported sepiolite fibers and their photocatalytic activity for degradation of gaseous formaldehyde. <i>Applied Clay Science</i> , 2014 , 102, 231-237	5.2	61
61	The dominant {001} facet-dependent enhanced visible-light photoactivity of ultrathin BiOBr nanosheets. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20909-14	3.6	86
60	Facile synthesis of anatase titania microspheres by a novel pyrolysis method and their photocatalytic properties. <i>Materials Science in Semiconductor Processing</i> , 2014 , 27, 985-993	4.3	1
59	Photo-Fenton degradation of rhodamine B using Fe ₂ O ₃ -Kaolin as heterogeneous catalyst: characterization, process optimization and mechanism. <i>Journal of Colloid and Interface Science</i> , 2014 , 433, 1-8	9.3	150
58	Recent advances in synthesis and applications of clay-based photocatalysts: a review. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8178-92	3.6	137
57	Ion-exchange synthesis of one-dimensional Cd ₂ Ge ₂ O ₆ /CdS core-shell composites and their enhanced visible-light photocatalytic activity. <i>Applied Surface Science</i> , 2014 , 319, 291-297	6.7	10
56	Controlled synthesis and visible light photocatalytic activity of Bi ₁₂ GeO ₂₀ uniform microcrystals. <i>Scientific Reports</i> , 2014 , 4, 6298	4.9	33
55	Direct observation of Nd ³⁺ and Tm ³⁺ ion distributions in oxy-fluoride glass ceramics containing PbF ₂ nanocrystals. <i>Materials Characterization</i> , 2014 , 98, 228-232	3.9	9
54	Synthesis and characterization of cotton-like CaAl ₂ O ₆ composite as an adsorbent for fluoride removal. <i>Chemical Engineering Journal</i> , 2014 , 250, 423-430	14.7	114
53	Adsorption of rhodamine B from aqueous solution onto heat-activated sepiolite. <i>Wuhan University Journal of Natural Sciences</i> , 2013 , 18, 219-225	0.4	9

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50	Synthesis, characterization and visible-light photocatalytic activity of Bi ₂₄ Al ₂ O ₃₉ mesoporous hollow spheres. <i>RSC Advances</i> , 2013 , 3, 19617	3.7	34
49	Visible light assisted Fenton-like degradation of rhodamine B and 4-nitrophenol solutions with a stable poly-hydroxyl-iron/sepiolite catalyst. <i>Chemical Engineering Journal</i> , 2013 , 217, 221-230	14.7	81
48	Template-free synthesis and high photocatalytic activity of hierarchical Zn ₂ GeO ₄ microspheres. <i>CrystEngComm</i> , 2013 , 15, 382-389	3.3	29
47	Preparation of Ag/AgCl/BiMg ₂ VO ₆ composite and its visible-light photocatalytic activity. <i>Materials Research Bulletin</i> , 2013 , 48, 1857-1863	5.1	28
46	Efficient photocatalytic degradation of gaseous formaldehyde by the TiO ₂ /tourmaline composites. <i>Materials Research Bulletin</i> , 2013 , 48, 3743-3749	5.1	22
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41	Facile synthesis and photocatalytic properties of AgAgClTiO ₂ /rectorite composite. <i>Journal of Colloid and Interface Science</i> , 2012 , 376, 217-23	9.3	102
40	A low-cost and high efficient zirconium-modified-Na-attapulgite adsorbent for fluoride removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2012 , 183, 315-324	14.7	132
39	Preparation and photocatalytic properties of visible light driven AgAgBr/attapulgite nanocomposite. <i>Applied Clay Science</i> , 2012 , 67-68, 11-17	5.2	41
38	Micro/nano-structured CaWO ₄ /Bi ₂ WO ₆ composite: synthesis, characterization and photocatalytic properties for degradation of organic contaminants. <i>Dalton Transactions</i> , 2012 , 41, 12697-703	4.3	66
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36	Adsorption of Rhodamine B from aqueous solution onto sepiolite modified by cetyltrimethylammonium bromide. <i>Desalination and Water Treatment</i> , 2012 , 45, 112-119		14
35	Facile Synthesis of Monodisperse Porous ZnO Spheres by a Soluble Starch-Assisted Method and Their Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7145-7152	3.8	196

34	Stable TiO ₂ /rectorite: Preparation, characterization and photocatalytic activity. <i>Applied Clay Science</i> , 2011 , 51, 335-340	5.2	49
33	The induced synthesis of mixed phase niobate by Cu doping and its photocatalytic property. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9791-9797	5.7	10
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29	Adsorption of methylene blue from aqueous solution onto hydrochloric acid-modified rectorite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 817-822	1	6
28	Thermal modified palygorskite: Preparation, characterization, and application for cationic dye-containing wastewater purification. <i>Desalination and Water Treatment</i> , 2011 , 30, 339-347		17
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11	Preparation and photocatalytic properties of TiO_2 /montmorillonite doped with nitrogen and sulfur. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1102-1106	3.9	29
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