

# Gaoke Zhang

## List of Publications by Year in descending order

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180  
papers

14,459  
citations

8749

75  
h-index

22808

112  
g-index

184  
all docs

184  
docs citations

184  
times ranked

11555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vacancy-Rich Monolayer BiO <sub>2</sub> as a Highly Efficient UV, Visible, and Near-Infrared Responsive Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 491-495.	7.2	365
2	Graphene oxide-Fe <sub>2</sub> O <sub>3</sub> hybrid material as highly efficient heterogeneous catalyst for degradation of organic contaminants. <i>Carbon</i> , 2013, 60, 437-444.	5.4	335
3	OD/2D Z-Scheme Heterojunctions of Bismuth Tantalate Quantum Dots/Ultrathin g-C <sub>3</sub> N <sub>4</sub> Nanosheets for Highly Efficient Visible Light Photocatalytic Degradation of Antibiotics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 43704-43715.	4.0	313
4	Fe <sub>2</sub> O <sub>3</sub> -Pillared Rectorite as an Efficient and Stable Fenton-Like Heterogeneous Catalyst for Photodegradation of Organic Contaminants. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6384-6389.	4.6	284
5	A novel Fe-Fe <sub>2</sub> O <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> catalyst: Synthesis derived from Fe-based MOF and its superior photo-Fenton performance. <i>Applied Surface Science</i> , 2019, 469, 331-339.	3.1	268
6	Novel visible-light-driven Z-scheme Bi <sub>12</sub> GeO <sub>20</sub> /g-C <sub>3</sub> N <sub>4</sub> 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.	10.8	253
7	Two-dimensional MXene-based and MXene-derived photocatalysts: Recent developments and perspectives. <i>Chemical Engineering Journal</i> , 2021, 409, 128099.	6.6	230
8	Photocatalytic CO <sub>2</sub> Conversion of M <sub>0.33</sub> WO <sub>3</sub> 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.	6.6	224
9	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.	1.5	218
10	OD Bi nanodots/2D Bi <sub>3</sub> NbO <sub>7</sub> 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.	10.8	218
11	Efficient removal of fluoride by hierarchical Ce-Fe bimetal oxides adsorbent: Thermodynamics, kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2016, 283, 721-729.	6.6	202
12	Ag-Bridged Z-Scheme 2D/2D Bi <sub>5</sub> FeTi <sub>3</sub> O <sub>15</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterojunction for Enhanced Photocatalysis: Mediator-Induced Interfacial Charge Transfer and Mechanism Insights. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27686-27696.	4.0	200
13	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.	3.9	194
14	Photo-Fenton degradation of rhodamine B using Fe <sub>2</sub> O <sub>3</sub> -Kaolin as heterogeneous catalyst: Characterization, process optimization and mechanism. <i>Journal of Colloid and Interface Science</i> , 2014, 433, 1-8.	5.0	189
15	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.	10.8	182
16	Mesocrystalline Zn-Doped Fe <sub>3</sub> O <sub>4</sub> Hollow Submicrospheres: Formation Mechanism and Enhanced Photo-Fenton Catalytic Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8900-8909.	4.0	176
17	Recent advances in synthesis and applications of clay-based photocatalysts: a review. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8178-8192.	1.3	171
18	Boosting interfacial charge separation of Ba <sub>5</sub> Nb <sub>4</sub> O <sub>15</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalysts by 2D/2D nanojunction towards efficient visible-light driven H <sub>2</sub> generation. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 117730.	10.8	168

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19	Z-scheme g-C <sub>3</sub> N <sub>4</sub> @CsxWO <sub>3</sub> heterostructure as smart window coating for UV isolating, Vis penetrating, NIR shielding and full spectrum photocatalytic decomposing VOCs. Applied Catalysis B: Environmental, 2018, 229, 218-226.	10.8	164
20	Layered birnessite-type MnO <sub>2</sub> with surface pits for enhanced catalytic formaldehyde oxidation activity. Journal of Materials Chemistry A, 2017, 5, 5719-5725.	5.2	163
21	Enhanced Generation of Reactive Oxygen Species under Visible Light Irradiation by Adjusting the Exposed Facet of FeWO <sub>4</sub> Nanosheets To Activate Oxalic Acid for Organic Pollutant Removal and Cr(VI) Reduction. Environmental Science & Technology, 2019, 53, 11023-11030.	4.6	160
22	S-scheme Sb <sub>2</sub> WO <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalysts with enhanced visible-light-induced photocatalytic NO oxidation performance. Chinese Journal of Catalysis, 2021, 42, 69-77.	6.9	157
23	A low-cost and high efficient zirconium-modified-Na-attapulgite adsorbent for fluoride removal from aqueous solutions. Chemical Engineering Journal, 2012, 183, 315-324.	6.6	151
24	Fabrication of Z-scheme MoO <sub>3</sub> /Bi <sub>2</sub> O <sub>4</sub> heterojunction photocatalyst with enhanced photocatalytic performance under visible light irradiation. Chinese Journal of Catalysis, 2020, 41, 161-169.	6.9	149
25	Efficient persulfate activation by hematite nanocrystals for degradation of organic pollutants under visible light irradiation: Facet-dependent catalytic performance and degradation mechanism. Applied Catalysis B: Environmental, 2021, 286, 119883.	10.8	146
26	Low boiling point solvent mediated strategy to synthesize functionalized monolayer carbon nitride for superior photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 260, 118181.	10.8	142
27	Visible-light-driven g-C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> +TiO <sub>2</sub> photocatalyst co-exposed {001} and {101} facets and its enhanced photocatalytic activities for organic pollutant degradation and Cr(VI) reduction. Applied Surface Science, 2015, 358, 223-230.	3.1	140
28	Construction of 2D/2D Bi <sub>2</sub> Se <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposite with High interfacial charge separation and photo-heat conversion efficiency for selective photocatalytic CO <sub>2</sub> reduction. Applied Catalysis B: Environmental, 2020, 277, 119232.	10.8	140
29	Vacancy mediated Z-scheme charge transfer in a 2D/2D La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> /g-C <sub>3</sub> N <sub>4</sub> nanojunction as a bifunctional photocatalyst for solar-to-energy conversion. Journal of Materials Chemistry A, 2020, 8, 13241-13247.	5.2	138
30	A novel mixed-phase TiO <sub>2</sub> /kaolinite composites and their photocatalytic activity for degradation of organic contaminants. Chemical Engineering Journal, 2011, 172, 936-943.	6.6	136
31	Synthesis and characterization of cotton-like Ca-Al-La composite as an adsorbent for fluoride removal. Chemical Engineering Journal, 2014, 250, 423-430.	6.6	135
32	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. Chemical Engineering Journal, 2017, 325, 59-70.	6.6	135
33	Novel AgI/BiSbO <sub>4</sub> heterojunction for efficient photocatalytic degradation of organic pollutants under visible light: Interfacial electron transfer pathway, DFT calculation and degradation mechanism study. Journal of Hazardous Materials, 2021, 410, 124948.	6.5	132
34	Synthesis and facet-dependent enhanced photocatalytic activity of Bi <sub>2</sub> SiO <sub>5</sub> /AgI nanoplate photocatalysts. Journal of Materials Chemistry A, 2015, 3, 16737-16745.	5.2	130
35	Novel BiSbO <sub>4</sub> /BiOBr nanoarchitecture with enhanced visible-light driven photocatalytic performance: Oxygen-induced pathway of activation and mechanism unveiling. Applied Surface Science, 2019, 498, 143850.	3.1	128
36	Sepiolite nanofiber-supported platinum nanoparticle catalysts toward the catalytic oxidation of formaldehyde at ambient temperature: Efficient and stable performance and mechanism. Chemical Engineering Journal, 2016, 288, 70-78.	6.6	126

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37	Enhanced molecular oxygen activation of Ni <sup>2+</sup> -doped BiO <sub>2-x</sub> nanosheets under UV, visible and near-infrared irradiation: Mechanism and DFT study. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 167-177.	10.8	126
38	Understanding the "sawtooth effect" of interlayered K <sup>+</sup> with different structure in manganese oxides for the enhanced formaldehyde oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 863-870.	10.8	124
39	Low-Temperature Synthesis and Photocatalytic Activity of TiO <sub>2</sub> Pillared Montmorillonite. <i>Langmuir</i> , 2008, 24, 1026-1030.	1.6	123
40	Preparation and characterization of bifunctional Ti-Fe kaolinite composite for Cr(VI) removal. <i>Journal of Colloid and Interface Science</i> , 2015, 442, 30-38.	5.0	121
41	Novel Three-Dimensional Flowerlike BiOBr/Bi <sub>2</sub> SiO <sub>5</sub> Heterostructured Nanocomposite for Degradation of Tetracycline: Enhanced Visible Light Photocatalytic Activity and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14221-14229.	3.2	121
42	Graphene-assisted photothermal effect on promoting catalytic activity of layered MnO <sub>2</sub> for gaseous formaldehyde oxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 77-85.	10.8	120
43	Synthesis of stable burger-like Fe <sub>2</sub> O <sub>3</sub> catalysts: Formation mechanism and excellent photo-Fenton catalytic performance. <i>Journal of Cleaner Production</i> , 2018, 180, 550-559.	4.6	119
44	Efficient removal of organic contaminants by a visible light driven photocatalyst Sr <sub>6</sub> Bi <sub>2</sub> O <sub>9</sub> . <i>Chemical Engineering Journal</i> , 2010, 162, 171-177.	6.6	118
45	Effects of alcohol content and calcination temperature on the textural properties of bimodally mesoporous titania. <i>Applied Catalysis A: General</i> , 2003, 255, 309-320.	2.2	117
46	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.	2.8	117
47	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.	2.2	114
48	Full spectrum light driven photocatalytic in-situ epitaxy of one-unit-cell Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> layers on Bi <sub>2</sub> O <sub>4</sub> nanocrystals for highly efficient photocatalysis and mechanism unveiling. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 667-677.	10.8	114
49	Enhanced photo-Fenton degradation of rhodamine B using graphene oxide-amorphous FePO <sub>4</sub> as effective and stable heterogeneous catalyst. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 460-466.	5.0	113
50	A mechanistic study of amorphous Co <sub>x</sub> cages as advanced oxidation catalysts for excellent peroxydisulfate activation towards antibiotics degradation. <i>Chemical Engineering Journal</i> , 2020, 381, 122768.	6.6	113
51	Photocatalytic degradation of organic contaminants by TiO <sub>2</sub> /sepiolite composites prepared at low temperature. <i>Chemical Engineering Journal</i> , 2011, 173, 1-10.	6.6	112
52	One-Dimensional/Two-Dimensional Core-Shell-Structured Bi <sub>2</sub> O <sub>4</sub> /Bi <sub>2</sub> O <sub>3</sub> Heterojunction for Highly Efficient Broad Spectrum Light-Driven Photocatalysis: Faster Interfacial Charge Transfer and Enhanced Molecular Oxygen Activation Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7112-7122.	4.0	111
53	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 &amp; Interfaces</i> , 2019, 11, 26898-26908.	4.0	110
54	Fabrication of AgFeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocatalyst with enhanced and stable photocatalytic performance. <i>Applied Surface Science</i> , 2017, 391, 415-422.	3.1	107

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55	Facile synthesis and photocatalytic properties of AgAgClTiO <sub>2</sub> /rectorite composite. Journal of Colloid and Interface Science, 2012, 376, 217-223.	5.0	106
56	Sb <sub>2</sub> WO <sub>6</sub> /BiOBr 2D nanocomposite S-scheme photocatalyst for NO removal. Journal of Materials Science and Technology, 2020, 56, 236-243.	5.6	106
57	Enhanced visible-light-driven photocatalytic inactivation of Escherichia coli by Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /Bi <sub>3</sub> NbO <sub>7</sub> composites. Journal of Hazardous Materials, 2013, 250-251, 131-137.	6.5	105
58	Enhanced piezoelectric-induced catalysis of SrTiO <sub>3</sub> nanocrystal with well-defined facets under ultrasonic vibration. Ultrasonics Sonochemistry, 2020, 61, 104819.	3.8	105
59	Enhanced ultrasound-assisted degradation of methyl orange and metronidazole by rectorite-supported nanoscale zero-valent iron. Ultrasonics Sonochemistry, 2016, 28, 62-68.	3.8	104
60	The dominant {001} facet-dependent enhanced visible-light photoactivity of ultrathin BiOBr nanosheets. Physical Chemistry Chemical Physics, 2014, 16, 20909-20914.	1.3	101
61	Synthesis of nanometer Bi <sub>2</sub> WO <sub>6</sub> synthesized by sol-gel method and its visible-light photocatalytic activity for degradation of 4BS. Journal of Physics and Chemistry of Solids, 2010, 71, 579-582.	1.9	100
62	Heterogeneous Fenton degradation of organic dyes in batch and fixed bed using La-Fe montmorillonite as catalyst. Journal of Colloid and Interface Science, 2017, 490, 859-868.	5.0	97
63	Series of MxWO <sub>3</sub> /ZnO (M = K, Rb, NH <sub>4</sub> ) nanocomposites: Combination of energy saving and environmental decontamination functions. Applied Catalysis B: Environmental, 2017, 201, 128-136.	10.8	96
64	Ultrasonic-assistant fabrication of cocoon-like Ag/AgFeO <sub>2</sub> nanocatalyst with excellent plasmon enhanced visible-light photocatalytic activity. Ultrasonics Sonochemistry, 2017, 37, 208-215.	3.8	95
65	Magnetic yolk-shell structure of ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles for enhanced visible light photo-Fenton degradation towards antibiotics and mechanism study. Applied Surface Science, 2020, 513, 145820.	3.1	93
66	Hierarchically structured Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> composite for photocatalytic degradation of organic contaminants under visible light irradiation. RSC Advances, 2013, 3, 2963.	1.7	92
67	Visible light assisted Fenton-like degradation of rhodamine B and 4-nitrophenol solutions with a stable poly-hydroxyl-iron/sepiolite catalyst. Chemical Engineering Journal, 2013, 217, 221-230.	6.6	92
68	Bi <sub>24</sub> Ga <sub>2</sub> O <sub>39</sub> for visible light photocatalytic reduction of Cr(VI): Controlled synthesis, facet-dependent activity and DFT study. Chemical Engineering Journal, 2017, 314, 249-256.	6.6	91
69	Synthesis of 2D MOF having potential for efficient dye adsorption and catalytic applications. Catalysis Science and Technology, 2018, 8, 4010-4017.	2.1	90
70	High piezocatalytic activity of ZnO/Al <sub>2</sub> O <sub>3</sub> nanosheets utilizing ultrasonic energy for wastewater treatment. Journal of Cleaner Production, 2020, 242, 118532.	4.6	90
71	Ba <sub>5</sub> Ta <sub>4</sub> O <sub>15</sub> Nanosheet/AgVO <sub>3</sub> Nanoribbon Heterojunctions with Enhanced Photocatalytic Oxidation Performance: Hole Dominated Charge Transfer Path and Plasmonic Effect Insight. ACS Sustainable Chemistry and Engineering, 2018, 6, 6682-6692.	3.2	88
72	Enhanced degradation of tetracycline in water over Cu-doped hematite nanoplates by peroxymonosulfate activation under visible light irradiation. Journal of Hazardous Materials, 2021, 416, 125838.	6.5	86

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73	Electrothermal regeneration by Joule heat effect on carbon cloth based MnO <sub>2</sub> catalyst for long-term formaldehyde removal. <i>Chemical Engineering Journal</i> , 2019, 357, 1-10.	6.6	83
74	Highly Enhanced Full Solar Spectrum-Driven Photocatalytic CO <sub>2</sub> Reduction Performance in Cu <sub>2</sub> S/g-C <sub>3</sub> N <sub>4</sub> Composite: Efficient Charge Transfer and Mechanism Insight. <i>Solar Rrl</i> , 2021, 5, 2000326.	3.1	79
75	Synthesis of bicrystalline TiO <sub>2</sub> supported sepiolite fibers and their photocatalytic activity for degradation of gaseous formaldehyde. <i>Applied Clay Science</i> , 2014, 102, 231-237.	2.6	78
76	Photocatalytic Degradation of 4BS Dye by N,S-Codoped TiO <sub>2</sub> Pillared Montmorillonite Photocatalysts under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17994-17997.	1.5	75
77	Fabrication of functionalized plasmonic Ag loaded Bi <sub>2</sub> O <sub>3</sub> /montmorillonite nanocomposites for efficient photocatalytic removal of antibiotics and organic dyes. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152836.	2.8	73
78	Preparation of nanosized Bi <sub>3</sub> NbO <sub>7</sub> and its visible-light photocatalytic property. <i>Journal of Hazardous Materials</i> , 2009, 172, 986-992.	6.5	72
79	Micro/nano-structured CaWO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> composite: synthesis, characterization and photocatalytic properties for degradation of organic contaminants. <i>Dalton Transactions</i> , 2012, 41, 12697.	1.6	71
80	Fabrication of 1D/2D BiPO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructured photocatalyst with enhanced photocatalytic efficiency for NO removal. <i>Chemosphere</i> , 2022, 287, 132098.	4.2	71
81	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.	5.0	70
82	Promoted charge separation from nickel intervening in [Bi <sub>2</sub> O <sub>2</sub> ] <sup>2+</sup> layers of Bi <sub>2</sub> O <sub>2</sub> S crystals for enhanced photocatalytic CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120249.	10.8	69
83	Rich oxygen vacancies mediated bismuth oxysulfide crystals towards photocatalytic CO <sub>2</sub> -to-CH <sub>4</sub> conversion. <i>Science China Materials</i> , 2021, 64, 2230-2241.	3.5	68
84	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.	5.0	65
85	Visible-NIR light-responsive 0D/2D CQDs/Sb <sub>2</sub> WO <sub>6</sub> nanosheets with enhanced photocatalytic degradation performance of RhB: Unveiling the dual roles of CQDs and mechanism study. <i>Journal of Hazardous Materials</i> , 2022, 424, 127595.	6.5	65
86	Synthesis, morphology and phase transition of the zinc molybdates ZnMoO <sub>4</sub> ·0.8H <sub>2</sub> O/±-ZnMoO <sub>4</sub> /ZnMoO <sub>4</sub> by hydrothermal method. <i>Journal of Crystal Growth</i> , 2010, 312, 1866-1874.	0.7	63
87	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.	3.1	62
88	Enhanced photocatalytic performance of tungsten-based photocatalysts for degradation of volatile organic compounds: a review. <i>Tungsten</i> , 2020, 2, 240-250.	2.0	60
89	Sepiolite supported BiVO <sub>4</sub> 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.	3.9	60
90	Ultrasonic-assisted fabrication of a direct Z-scheme BiOI/Bi <sub>2</sub> O <sub>4</sub> heterojunction with superior visible light-responsive photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153417.	2.8	59

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91	Synthesis of nanometer-size Bi <sub>3</sub> TaO <sub>7</sub> and its visible-light photocatalytic activity for the degradation of a 4BS dye. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 467-473.	5.0	58
92	A sillenite-type Bi <sub>12</sub> MnO <sub>20</sub> 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.	10.8	58
93	In situ synthesis of Zn <sub>2</sub> GeO <sub>4</sub> hollow spheres and their enhanced photocatalytic activity for the degradation of antibiotic metronidazole. <i>Dalton Transactions</i> , 2013, 42, 5092.	1.6	57
94	Ultrathin MnO <sub>2</sub> nanosheets for optimized hydrogen evolution via formaldehyde reforming in water at room temperature. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 466-476.	10.8	56
95	Photocatalytic degradation of azo dye acid red G by KNb <sub>3</sub> O <sub>8</sub> and the role of potassium in the photocatalysis. <i>Chemical Engineering Journal</i> , 2006, 123, 59-64.	6.6	55
96	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.	6.6	55
97	Stable TiO <sub>2</sub> /rectorite: Preparation, characterization and photocatalytic activity. <i>Applied Clay Science</i> , 2011, 51, 335-340.	2.6	51
98	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.	3.2	51
99	Efficient Photocatalytic Removal of Contaminant by Bi <sub>3</sub> NbTaO <sub>7</sub> Nanoparticles under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20029-20035.	1.5	49
100	Copper(II) adsorption on Ca-rectorite, and effect of static magnetic field on the adsorption. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 265-269.	5.0	48
101	Hydrothermal synthesis and photocatalytic property of KNb <sub>3</sub> O <sub>8</sub> with nanometer leaf-like network. <i>Journal of Alloys and Compounds</i> , 2007, 427, 82-86.	2.8	48
102	Preparation and photocatalytic properties of visible light driven AgAgBr/attapulgite nanocomposite. <i>Applied Clay Science</i> , 2012, 67-68, 11-17.	2.6	47
103	Boosting molecular oxygen activation of SrTiO <sub>3</sub> by engineering exposed facets for highly efficient photocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23822-23830.	5.2	47
104	Facile synthesis of Ag <sub>2</sub> O-TiO <sub>2</sub> /sepiolite composites with enhanced visible-light photocatalytic properties. <i>Chinese Journal of Catalysis</i> , 2015, 36, 2219-2228.	6.9	46
105	Vacancy-Rich Monolayer BiO <sub>2</sub> as a Highly Efficient UV, Visible, and Near-Infrared Responsive Photocatalyst. <i>Angewandte Chemie</i> , 2018, 130, 500-504.	1.6	46
106	Zinc adsorption on Na-rectorite and effect of static magnetic field on the adsorption. <i>Applied Clay Science</i> , 2005, 29, 15-21.	2.6	45
107	Facile synthesis and photocatalytic property of bicrystalline TiO <sub>2</sub> /rectorite composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 137-144.	2.3	45
108	Synthesis, characterization and visible light photocatalytic properties of Bi <sub>2</sub> WO <sub>6</sub> /rectorite composites. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 323-329.	5.0	43

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109	Microtetrahedral Bi <sub>2</sub> TiO <sub>7</sub> /g-C <sub>3</sub> N <sub>4</sub> 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.	4.8	43
110	Synthesis of Cu/TiO <sub>2</sub> /organo-attapulgite fiber nanocomposite and its photocatalytic activity for degradation of acetone in air. <i>Applied Surface Science</i> , 2016, 362, 257-264.	3.1	43
111	Preparation and photocatalytic properties of visible light driven Ag@AgCl/TiO <sub>2</sub> /palygorskite composite. <i>Journal of Alloys and Compounds</i> , 2016, 657, 801-808.	2.8	42
112	Graphene-Based Nanocomposites for Efficient Photocatalytic Hydrogen Evolution: Insight into the Interface toward Separation of Photogenerated Charges. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43760-43767.	4.0	42
113	Metal-free polymeric (SCN) <sub>n</sub> 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.	6.6	42
114	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.	2.6	40
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