

# Zhu Yongfa

## List of Publications by Year in descending order

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377  
papers

45,941  
citations

735

120  
h-index

2178

202  
g-index

381  
all docs

381  
docs citations

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times ranked

28513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-Light-Induced Degradation of Rhodamine B by Nanosized Bi <sub>2</sub> WO <sub>6</sub> . Journal of Physical Chemistry B, 2005, 109, 22432-22439.	2.6	1,170
2	Chemical exfoliation of graphitic carbon nitride for efficient heterogeneous photocatalysis. Journal of Materials Chemistry A, 2013, 1, 14766.	10.3	1,080
3	Significantly enhanced photocatalytic performance of ZnO via graphene hybridization and the mechanism study. Applied Catalysis B: Environmental, 2011, 101, 382-387.	20.2	1,034
4	Enhancement of photocurrent and photocatalytic activity of ZnO hybridized with graphite-like C <sub>3</sub> N <sub>4</sub> . Energy and Environmental Science, 2011, 4, 2922.	30.8	1,005
5	Synthesis of Square Bi <sub>2</sub> WO <sub>6</sub> Nanoplates as High-Activity Visible-Light-Driven Photocatalysts. Chemistry of Materials, 2005, 17, 3537-3545.	6.7	873
6	Dramatic Activity of C <sub>3</sub> N <sub>4</sub> /BiPO <sub>4</sub> Photocatalyst with Core/Shell Structure Formed by Self-Assembly. Advanced Functional Materials, 2012, 22, 1518-1524.	14.9	819
7	Decontamination of Bisphenol A from Aqueous Solution by Graphene Adsorption. Langmuir, 2012, 28, 8418-8425.	3.5	739
8	Photocatalytic Activity Enhanced via g-C <sub>3</sub> N <sub>4</sub> Nanoplates to Nanorods. Journal of Physical Chemistry C, 2013, 117, 9952-9961.	3.1	602
9	A Strategy of Enhancing the Photoactivity of g-C <sub>3</sub> N <sub>4</sub> via Doping of Nonmetal Elements: A First-Principles Study. Journal of Physical Chemistry C, 2012, 116, 23485-23493.	3.1	590
10	Effect of Phase Structure of MnO <sub>2</sub> Nanorod Catalyst on the Activity for CO Oxidation. Journal of Physical Chemistry C, 2008, 112, 5307-5315.	3.1	577
11	Three-dimensional porous g-C <sub>3</sub> N <sub>4</sub> for highly efficient photocatalytic overall water splitting. Nano Energy, 2019, 59, 644-650.	16.0	553
12	New Type of BiPO <sub>4</sub> Oxy-Acid Salt Photocatalyst with High Photocatalytic Activity on Degradation of Dye. Environmental Science & Technology, 2010, 44, 5570-5574.	10.0	551
13	Dramatic Visible Photocatalytic Degradation Performances Due to Synergetic Effect of TiO <sub>2</sub> with PANI. Environmental Science & Technology, 2008, 42, 3803-3807.	10.0	488
14	Photocorrosion Inhibition and Enhancement of Photocatalytic Activity for ZnO via Hybridization with C <sub>60</sub> . Environmental Science & Technology, 2008, 42, 8064-8069.	10.0	482
15	Peroxydisulfate enhanced visible light photocatalytic degradation bisphenol A by single-atom dispersed Ag mesoporous g-C <sub>3</sub> N <sub>4</sub> hybrid. Applied Catalysis B: Environmental, 2017, 211, 79-88.	20.2	481
16	Enhancement of visible photocatalytic activity via Ag@C <sub>3</sub> N <sub>4</sub> core-shell plasmonic composite. Applied Catalysis B: Environmental, 2014, 147, 82-91.	20.2	461
17	Performance Enhancement of ZnO Photocatalyst via Synergic Effect of Surface Oxygen Defect and Graphene Hybridization. Langmuir, 2013, 29, 3097-3105.	3.5	452
18	Efficient visible-light-driven selective oxygen reduction to hydrogen peroxide by oxygen-enriched graphitic carbon nitride polymers. Energy and Environmental Science, 2018, 11, 2581-2589.	30.8	451

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19	Controllable synthesis of Bi <sub>2</sub> MoO <sub>6</sub> and effect of morphology and variation in local structure on photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 138-146.	20.2	441
20	Photocorrosion Inhibition and Photoactivity Enhancement for Zinc Oxide via Hybridization with Monolayer Polyaniline. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4605-4611.	3.1	395
21	Enhanced oxidation ability of g-C <sub>3</sub> N <sub>4</sub> photocatalyst via C <sub>60</sub> modification. <i>Applied Catalysis B: Environmental</i> , 2014, 152-153, 262-270.	20.2	388
22	Surface oxygen vacancy induced $\gamma$ -MnO <sub>2</sub> nanofiber for highly efficient ozone elimination. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 729-737.	20.2	380
23	Well-designed 3D ZnIn <sub>2</sub> S <sub>4</sub> nanosheets/TiO <sub>2</sub> nanobelts as direct Z-scheme photocatalysts for CO <sub>2</sub> photoreduction into renewable hydrocarbon fuel with high efficiency. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 611-618.	20.2	375
24	Influence of Defects on the Photocatalytic Activity of ZnO. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15300-15307.	3.1	361
25	Photocatalytic activity enhancement of core-shell structure g-C <sub>3</sub> N <sub>4</sub> @TiO <sub>2</sub> via controlled ultrathin g-C <sub>3</sub> N <sub>4</sub> layer. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 337-347.	20.2	357
26	Efficient Photocatalytic Overall Water Splitting Induced by the Giant Internal Electric Field of a g-C <sub>3</sub> N <sub>4</sub> /rGO/PDIP Z-scheme Heterojunction. <i>Advanced Materials</i> , 2021, 33, e2007479.	21.0	354
27	Photocatalytic Degradation of RhB by Fluorinated Bi <sub>2</sub> WO <sub>6</sub> and Distributions of the Intermediate Products. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2085-2091.	10.0	351
28	Enhancement of photocatalytic activity of Bi <sub>2</sub> WO <sub>6</sub> hybridized with graphite-like C <sub>3</sub> N <sub>4</sub> . <i>Journal of Materials Chemistry</i> , 2012, 22, 11568.	6.7	342
29	Removal of Cr(VI) by 3D TiO <sub>2</sub> -graphene hydrogel via adsorption enriched with photocatalytic reduction. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 412-423.	20.2	338
30	Photocatalytic properties of nanosized Bi <sub>2</sub> WO <sub>6</sub> catalysts synthesized via a hydrothermal process. <i>Applied Catalysis B: Environmental</i> , 2006, 66, 100-110.	20.2	334
31	Self-Assembled PDINH Supramolecular System for Photocatalysis under Visible Light. <i>Advanced Materials</i> , 2016, 28, 7284-7290.	21.0	333
32	Development of a Gas Sensor Utilizing Chemiluminescence on Nanosized Titanium Dioxide. <i>Analytical Chemistry</i> , 2002, 74, 120-124.	6.5	332
33	Enhanced catalytic activity of potassium-doped graphitic carbon nitride induced by lower valence position. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 77-81.	20.2	329
34	Synergistic Effect of Bi <sub>2</sub> WO <sub>6</sub> Photocatalyst with C <sub>60</sub> and Enhanced Photoactivity under Visible Irradiation. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6234-6239.	10.0	326
35	CN/rGO@BPQDs high-low junctions with stretching spatial charge separation ability for photocatalytic degradation and H <sub>2</sub> O <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118602.	20.2	324
36	Photocatalytic degradation of tetracycline antibiotics using three-dimensional network structure perylene diimide supramolecular organic photocatalyst under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119122.	20.2	317

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37	Photocorrosion Suppression of ZnO Nanoparticles via Hybridization with Graphite-like Carbon and Enhanced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2368-2374.	3.1	316
38	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-C <sub>3</sub> N <sub>4</sub> Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27727-27735.	8.0	300
39	A review of controllable synthesis and enhancement of performances of bismuth tungstate visible-light-driven photocatalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 694.	4.1	299
40	Combination of photoelectrocatalysis and adsorption for removal of bisphenol A over TiO <sub>2</sub> -graphene hydrogel with 3D network structure. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 36-46.	20.2	289
41	Enhancement of visible light photocatalytic activities via porous structure of g-C <sub>3</sub> N <sub>4</sub> . <i>Applied Catalysis B: Environmental</i> , 2014, 147, 229-235.	20.2	285
42	Nanoporous Graphitic Carbon Nitride with Enhanced Photocatalytic Performance. <i>Langmuir</i> , 2013, 29, 10566-10572.	3.5	284
43	3D-3D porous Bi <sub>2</sub> WO <sub>6</sub> /graphene hydrogel composite with excellent synergistic effect of adsorption-enrichment and photocatalytic degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 228-237.	20.2	272
44	Defect-related photoluminescence and photocatalytic properties of porous ZnO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15377.	10.3	267
45	Visible Photocatalytic Activity Enhancement of ZnWO <sub>4</sub> by Graphene Hybridization. <i>ACS Catalysis</i> , 2012, 2, 2769-2778.	11.2	260
46	Significant photocatalytic enhancement in methylene blue degradation of TiO <sub>2</sub> photocatalysts via graphene-like carbon in situ hybridization. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 179-183.	20.2	259
47	Origin of Photocatalytic Activation of Silver Orthophosphate from First-Principles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4680-4687.	3.1	259
48	Photoelectrocatalytic degradation of phenol-containing wastewater by TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> hybrid heterostructure thin film. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 600-606.	20.2	258
49	Enhanced organic pollutant photodegradation via adsorption/photocatalysis synergy using a 3D g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> free-separation photocatalyst. <i>Chemical Engineering Journal</i> , 2019, 370, 287-294.	12.7	258
50	Synergetic activation of peroxydisulfate by Co <sub>3</sub> O <sub>4</sub> modified g-C <sub>3</sub> N <sub>4</sub> for enhanced degradation of diclofenac sodium under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 810-818.	20.2	255
51	Enhancement of full-spectrum photocatalytic activity over BiPO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> composites. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 222-229.	20.2	253
52	Significant Visible Photoactivity and Antiphotocorrosion Performance of CdS Photocatalysts after Monolayer Polyaniline Hybridization. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5822-5826.	3.1	252
53	Surface oxygen vacancy induced photocatalytic performance enhancement of a BiPO <sub>4</sub> nanorod. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1174-1182.	10.3	252
54	A high-performance Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> SiO <sub>5</sub> p-n heterojunction photocatalyst induced by phase transition of Bi <sub>2</sub> O <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2018, 237, 59-67.	20.2	252

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55	Steering Electronâ€“Hole Migration Pathways Using Oxygen Vacancies in Tungsten Oxides to Enhance Their Photocatalytic Oxygen Evolution Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8236-8242.	13.8	249
56	Synergetic Degradation of Rhodamine B at a Porous ZnWO <sub>4</sub> Film Electrode by Combined Electro-Oxidation and Photocatalysis. <i>Environmental Science &amp; Technology</i> , 2006, 40, 3367-3372.	10.0	232
57	Enhanced Photocatalytic Performance for the BiPO <sub>4</sub> Nanorod Induced by Surface Oxygen Vacancy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18520-18528.	3.1	222
58	Removal of chromium (VI) by a self-regenerating and metal free g-C <sub>3</sub> N <sub>4</sub> /graphene hydrogel system via the synergy of adsorption and photo-catalysis under visible light. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 53-62.	20.2	219
59	Recent advances in 3D g-C <sub>3</sub> N <sub>4</sub> composite photocatalysts for photocatalytic water splitting, degradation of pollutants and CO <sub>2</sub> reduction. <i>Journal of Alloys and Compounds</i> , 2019, 802, 196-209.	5.5	217
60	Significantly enhancement of photocatalytic performances via coreâ€“shell structure of ZnO@mpg-C <sub>3</sub> N <sub>4</sub> . <i>Applied Catalysis B: Environmental</i> , 2014, 147, 554-561.	20.2	215
61	Surface-modification of SiO <sub>2</sub> nanoparticles with oleic acid. <i>Applied Surface Science</i> , 2003, 211, 315-320.	6.1	213
62	Polyaniline/Carbon Nitride Nanosheets Composite Hydrogel: A Separationâ€“Free and Highâ€“Efficient Photocatalyst with 3D Hierarchical Structure. <i>Small</i> , 2016, 12, 4370-4378.	10.0	209
63	Effects of Mo Replacement on the Structure and Visible-Light-Induced Photocatalytic Performances of Bi <sub>2</sub> WO <sub>6</sub> Photocatalyst. <i>ACS Catalysis</i> , 2011, 1, 841-848.	11.2	204
64	Controlled Synthesis of the ZnWO <sub>4</sub> Nanostructure and Effects on the Photocatalytic Performance. <i>Inorganic Chemistry</i> , 2007, 46, 8372-8378.	4.0	200
65	Photocatalytic activities of a novel ZnWO <sub>4</sub> catalyst prepared by a hydrothermal process. <i>Applied Catalysis A: General</i> , 2006, 306, 58-67.	4.3	198
66	A Fullâ€“Spectrum Metalâ€“Free Porphyrin Supramolecular Photocatalyst for Dual Functions of Highly Efficient Hydrogen and Oxygen Evolution. <i>Advanced Materials</i> , 2019, 31, e1806626.	21.0	198
67	Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 570-576.	20.2	197
68	Supramolecular organic nanofibers with highly efficient and stable visible light photooxidation performance. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 289-297.	20.2	195
69	Removal of bisphenol A over a separation free 3D Ag <sub>3</sub> PO <sub>4</sub> -graphene hydrogel via an adsorption-photocatalysis synergy. <i>Applied Catalysis B: Environmental</i> , 2017, 212, 41-49.	20.2	194
70	Visible light photoactivity enhancement via CuTCPP hybridized g-C <sub>3</sub> N <sub>4</sub> nanocomposite. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 366-373.	20.2	193
71	Enhancement of catalytic activity and oxidative ability for graphitic carbon nitride. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 28, 87-115.	11.6	192
72	Core-shell g-C <sub>3</sub> N <sub>4</sub> @ZnO composites as photoanodes with double synergistic effects for enhanced visible-light photoelectrocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 169-180.	20.2	190

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73	Photocatalytic Activity Enhancement for Bi <sub>2</sub> WO <sub>6</sub> by Fluorine Substitution. Journal of Physical Chemistry C, 2009, 113, 19633-19638.	3.1	189
74	Production of visible activity and UV performance enhancement of ZnO photocatalyst via vacuum deoxidation. Applied Catalysis B: Environmental, 2013, 138-139, 26-32.	20.2	183
75	Self-assembled perylene diimide based supramolecular heterojunction with Bi <sub>2</sub> WO <sub>6</sub> for efficient visible-light-driven photocatalysis. Applied Catalysis B: Environmental, 2018, 232, 175-181.	20.2	183
76	Photodegradation of phenol via C <sub>3</sub> N <sub>4</sub> -agar hybrid hydrogel 3D photocatalysts with free separation. Applied Catalysis B: Environmental, 2016, 183, 263-268.	20.2	181
77	Solid-phase photocatalytic degradation of polyethylene plastic under UV and solar light irradiation. Journal of Molecular Catalysis A, 2007, 268, 101-106.	4.8	179
78	Construction of urchin-like ZnIn <sub>2</sub> S <sub>4</sub> -Au-TiO <sub>2</sub> heterostructure with enhanced activity for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 234, 260-267.	20.2	177
79	Enhancement of visible light mineralization ability and photocatalytic activity of BiPO <sub>4</sub> /BiOI. Applied Catalysis B: Environmental, 2015, 163, 547-553.	20.2	176
80	Solid-phase photocatalytic degradation of polystyrene plastic with TiO <sub>2</sub> as photocatalyst. Journal of Solid State Chemistry, 2003, 174, 104-110.	2.9	173
81	Photocatalytic Degradation of Polystyrene Plastic under Fluorescent Light. Environmental Science & Technology, 2003, 37, 4494-4499.	10.0	170
82	Recent developments in nanomaterial optical sensors. TrAC - Trends in Analytical Chemistry, 2004, 23, 351-360.	11.4	170
83	The surface oxygen vacancy induced visible activity and enhanced UV activity of a ZnO <sub>1-x</sub> photocatalyst. Catalysis Science and Technology, 2013, 3, 3136.	4.1	167
84	Fabrication of Wide-Range Visible Photocatalyst Bi <sub>2</sub> WO <sub>6-x</sub> nanoplates via Surface Oxygen Vacancies. Scientific Reports, 2016, 6, 19347.	3.3	165
85	Three-dimensional network structure assembled by g-C <sub>3</sub> N <sub>4</sub> nanorods for improving visible-light photocatalytic performance. Applied Catalysis B: Environmental, 2019, 255, 117761.	20.2	164
86	Enhancement of mineralization ability for phenol via synergetic effect of photoelectrocatalysis of g-C <sub>3</sub> N <sub>4</sub> film. Applied Catalysis B: Environmental, 2016, 180, 324-329.	20.2	162
87	Covalent combination of polyoxometalate and graphitic carbon nitride for light-driven hydrogen peroxide production. Nano Energy, 2017, 35, 405-414.	16.0	162
88	Size-controlled synthesis of BiPO <sub>4</sub> nanocrystals for enhanced photocatalytic performance. Journal of Materials Chemistry, 2011, 21, 4235.	6.7	161
89	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C <sub>3</sub> N <sub>4</sub> n-n heterojunction via $\pi$ - $\pi$ interaction and interfacial charge separation. Applied Catalysis B: Environmental, 2020, 271, 118933.	20.2	161
90	Electron Spin Resonance Spin-Trapping Detection of Radical Intermediates in N-Doped TiO <sub>2</sub> -Assisted Photodegradation of 4-Chlorophenol. Journal of Physical Chemistry B, 2006, 110, 3061-3065.	2.6	160

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91	Photocatalytic degradation of deoxynivalenol using graphene/ZnO hybrids in aqueous suspension. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 11-20.	20.2	160
92	A Highly Crystalline Perylene Imide Polymer with the Robust Built-in Electric Field for Efficient Photocatalytic Water Oxidation. <i>Advanced Materials</i> , 2020, 32, e1907746.	21.0	160
93	Tuning the $K^{+}$ Concentration in the Tunnels of $\pm$ -MnO <sub>2</sub> To Increase the Content of Oxygen Vacancy for Ozone Elimination. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8684-8692.	10.0	158
94	Enhanced Photocatalytic Activity of ZnWO <sub>4</sub> Catalyst via Fluorine Doping. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11952-11958.	3.1	157
95	Visible-light-driven photocatalyst of Bi <sub>2</sub> WO <sub>6</sub> nanoparticles prepared via amorphous complex precursor and photocatalytic properties. <i>Journal of Solid State Chemistry</i> , 2006, 179, 62-69.	2.9	154
96	Correlation Effects on Lattice Relaxation and Electronic Structure of ZnO within the GGA+ <i>U</i> Formalism. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26029-26039.	3.1	151
97	Photocatalytic H <sub>2</sub> evolution on MoS <sub>2</sub> –TiO <sub>2</sub> catalysts synthesized via mechanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 933-940.	2.8	151
98	Photocatalytic performance of BiPO <sub>4</sub> nanorods adjusted via defects. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 204-211.	20.2	151
99	One-pot synthesis of C/Bi/Bi <sub>2</sub> O <sub>3</sub> composite with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 63-72.	20.2	150
100	Synthesis of flower-like CuO nanostructures as a sensitive sensor for catalysis. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 761-768.	7.8	143
101	Ultrathin nanosheets g-C <sub>3</sub> N <sub>4</sub> @Bi <sub>2</sub> WO <sub>6</sub> core-shell structure via low temperature reassembled strategy to promote photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 633-640.	20.2	143
102	Photocatalytic hydrogen generation on bifunctional ternary heterostructured In <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> /CdS composites with high activity and stability under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18406-18412.	10.3	142
103	Effects of distortion of PO <sub>4</sub> tetrahedron on the photocatalytic performances of BiPO <sub>4</sub> . <i>Catalysis Science and Technology</i> , 2011, 1, 1399.	4.1	141
104	Photocatalytic enhancement of hybrid C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> prepared via ball milling method. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3647-3652.	2.8	141
105	Synthesis, characterization and photocatalytic properties of nanosized Bi <sub>2</sub> WO <sub>6</sub> , PbWO <sub>4</sub> and ZnWO <sub>4</sub> catalysts. <i>Materials Research Bulletin</i> , 2007, 42, 696-706.	5.2	140
106	Photoelectric catalytic degradation of methylene blue by C <sub>60</sub> -modified TiO <sub>2</sub> nanotube array. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 425-431.	20.2	139
107	Construction of Interfacial Electric Field via Dual-Porphyrin Heterostructure Boosting Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2022, 34, e21106807.	21.0	139
108	Enhancement of visible photocatalytic performances of a Bi <sub>2</sub> MoO <sub>6</sub> –BiOCl nanocomposite with plate-on-plate heterojunction structure. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26314-26321.	2.8	138



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109	Interaction between self-assembled perylene diimide and 3D graphene for excellent visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 225-233.	20.2	136
110	Effect of Compensated Codoping on the Photoelectrochemical Properties of Anatase TiO <sub>2</sub> Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16963-16969.	3.1	135
111	Structure and photocatalytic performances of glass/SnO <sub>2</sub> /TiO <sub>2</sub> interface composite film. <i>Applied Catalysis A: General</i> , 2004, 257, 25-32.	4.3	134
112	Internal electric field engineering for steering photogenerated charge separation and enhancing photoactivity. <i>EcoMat</i> , 2019, 1, e12007.	11.9	134
113	ZnWO <sub>4</sub> photocatalyst with high activity for degradation of organic contaminants. <i>Journal of Alloys and Compounds</i> , 2007, 432, 269-276.	5.5	132
114	A review of BiPO <sub>4</sub> , a highly efficient oxyacid-type photocatalyst, used for environmental applications. <i>Catalysis Science and Technology</i> , 2015, 5, 3071-3083.	4.1	132
115	A simple and efficient strategy for the synthesis of a chemically tailored g-C <sub>3</sub> N <sub>4</sub> material. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17521-17529.	10.3	128
116	Enhanced photoactivity and oxidizing ability simultaneously via internal electric field and valence band position by crystal structure of bismuth oxyiodide. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118262.	20.2	128
117	Synthesis and photocatalytic performance of ZnWO <sub>4</sub> catalyst. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 139, 201-208.	3.5	127
118	Degradation and mineralization mechanism of phenol by BiPO <sub>4</sub> photocatalysis assisted with H <sub>2</sub> O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 561-567.	20.2	127
119	Visible-light responsive PDI/rGO composite film for the photothermal catalytic degradation of antibiotic wastewater and interfacial water evaporation. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120127.	20.2	127
120	The synthesis of nanosized TiO <sub>2</sub> powder using a sol-gel method with TiCl <sub>4</sub> as a precursor. <i>Journal of Materials Science</i> , 2000, 35, 4049-4054.	3.7	126
121	Photoelectrocatalytic degradation of 4-chlorophenol at Bi <sub>2</sub> WO <sub>6</sub> nanoflake film electrode under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 92-97.	20.2	125
122	Efficient and stable photocatalytic degradation of tetracycline wastewater by 3D Polyaniline/Perylene diimide organic heterojunction under visible light irradiation. <i>Chemical Engineering Journal</i> , 2020, 397, 125476.	12.7	124
123	Structure and photocatalytic characteristics of TiO <sub>2</sub> film photocatalyst coated on stainless steel webnet. <i>Journal of Molecular Catalysis A</i> , 2003, 202, 187-195.	4.8	123
124	A Full-spectrum Porphyrin- Fullerene -A Supramolecular Photocatalyst with Giant Built-in Electric Field for Efficient Hydrogen Production. <i>Advanced Materials</i> , 2021, 33, e2101026.	21.0	122
125	Fluorine mediated photocatalytic activity of BiPO <sub>4</sub> . <i>Applied Catalysis B: Environmental</i> , 2014, 147, 851-857.	20.2	121
126	Supramolecular packing dominant photocatalytic oxidation and anticancer performance of PDI. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 251-261.	20.2	121



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129	Enhancement of photocatalytic activity for BiPO <sub>4</sub> via phase junction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13041-13048.	10.3	118
130	Visible-Light Photocatalytic Degradation of BiTaO <sub>4</sub> Photocatalyst and Mechanism of Photocorrosion Suppression. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6472-6477.	3.1	117
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133	Controlled synthesis of a highly dispersed BiPO <sub>4</sub> photocatalyst with surface oxygen vacancies. <i>Nanoscale</i> , 2015, 7, 13943-13950.	5.6	116
134	Preparation of visible light-driven g-C <sub>3</sub> N <sub>4</sub> @ZnO hybrid photocatalyst via mechanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17627-17633.	2.8	112
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139	Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 428-435.	20.2	108
140	Synergistic introducing of oxygen vacancies and hybrid of organic semiconductor: Realizing deep structure modulation on Bi <sub>5</sub> O <sub>7</sub> I for high-efficiency photocatalytic pollutant oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118562.	20.2	106
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143	Photocatalytic activity enhancement of PDI supermolecular via π-π action and energy level adjusting with graphene quantum dots. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119547.	20.2	104
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157	Nanosized SrCO <sub>3</sub> -based chemiluminescence sensor for ethanol. <i>Analytica Chimica Acta</i> , 2002, 466, 69-78.	5.4	91
158	Fabrication of 3D ultra-light graphene aerogel/Bi <sub>2</sub> WO <sub>6</sub> composite with excellent photocatalytic performance: A promising photocatalysts for water purification. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 97, 288-296.	5.3	88
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184	Research progress on methane conversion coupling photocatalysis and thermocatalysis. , 2021, 3, 519-540.		67
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