Zhu Yongfa

List of Publications by Year
in descending order

377 papers	45,941 citations	733 120 h-index	2178 202 g-index
381 all docs	381 docs citations	381 times ranked	28513 citing authors

#	Article	IF	Citations
1	Visible-Light-Induced Degradation of Rhodamine B by Nanosized Bi2WO6. Journal of Physical Chemistry B, 2005, 109, 22432-22439.	1.2	1,170
2	Chemical exfoliation of graphitic carbon nitride for efficient heterogeneous photocatalysis. Journal of Materials Chemistry A, 2013, 1, 14766.	5.2	1,080
3	Significantly enhanced photocatalytic performance of ZnO via graphene hybridization and the mechanism study. Applied Catalysis B: Environmental, 2011, 101, 382-387.	10.8	1,034
4	Enhancement of photocurrent and photocatalytic activity of ZnO hybridized with graphite-like C3N4. Energy and Environmental Science, 2011, 4, 2922.	15.6	1,005
5	Synthesis of Square Bi2WO6Nanoplates as High-Activity Visible-Light-Driven Photocatalysts. Chemistry of Materials, 2005, 17, 3537-3545.	3.2	873
6	Dramatic Activity of C₃N₄/BiPO₄ Photocatalyst with Core/Shell Structure Formed by Selfâ€Assembly. Advanced Functional Materials, 2012, 22, 1518-1524.	7.8	819
7	Decontamination of Bisphenol A from Aqueous Solution by Graphene Adsorption. Langmuir, 2012, 28, 8418-8425.	1.6	739
8	Photocatalytic Activity Enhanced via g-C₃N₄ Nanoplates to Nanorods. Journal of Physical Chemistry C, 2013, 117, 9952-9961.	1.5	602
9	A Strategy of Enhancing the Photoactivity of g-C₃N₄ via Doping of Nonmetal Elements: A First-Principles Study. Journal of Physical Chemistry C, 2012, 116, 23485-23493.	1.5	590
10	Effect of Phase Structure of MnO₂ Nanorod Catalyst on the Activity for CO Oxidation. Journal of Physical Chemistry C, 2008, 112, 5307-5315.	1.5	577
11	Three-dimensional porous g-C3N4 for highly efficient photocatalytic overall water splitting. Nano Energy, 2019, 59, 644-650.	8.2	553
12	New Type of BiPO₄ Oxy-Acid Salt Photocatalyst with High Photocatalytic Activity on Degradation of Dye. Environmental Science & Technology, 2010, 44, 5570-5574.	4.6	551
13	Dramatic Visible Photocatalytic Degradation Performances Due to Synergetic Effect of TiO₂with PANI. Environmental Science & Technology, 2008, 42, 3803-3807.	4.6	488
14	Photocorrosion Inhibition and Enhancement of Photocatalytic Activity for ZnO via Hybridization with C₆₀. Environmental Science & Technology, 2008, 42, 8064-8069.	4.6	482
15	Peroxymonosulfate enhanced visible light photocatalytic degradation bisphenol A by single-atom dispersed Ag mesoporous g-C3N4 hybrid. Applied Catalysis B: Environmental, 2017, 211, 79-88.	10.8	481
16	Enhancement of visible photocatalytic activity via Ag@C3N4 coreâ€“shell plasmonic composite. Applied Catalysis B: Environmental, 2014, 147, 82-91.	10.8	461
17	Performance Enhancement of ZnO Photocatalyst via Synergic Effect of Surface Oxygen Defect and Graphene Hybridization. Langmuir, 2013, 29, 3097-3105.	1.6	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.	15.6	451

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19	Controllable synthesis of Bi2MoO6 and effect of morphology and variation in local structure on photocatalytic activities. Applied Catalysis B: Environmental, 2010, 98, 138-146.	10.8	441
20	Photocorrosion Inhibition and Photoactivity Enhancement for Zinc Oxide via Hybridization with Monolayer Polyaniline. Journal of Physical Chemistry C, 2009, 113, 4605-4611.	1.5	395
21	Enhanced oxidation ability of g-C3N4 photocatalyst via C60 modification. Applied Catalysis B: Environmental, 2014, 152-153, 262-270.	10.8	388
22	Surface oxygen vacancy induced Î±-MnO 2 nanofiber for highly efficient ozone elimination. Applied Catalysis B: Environmental, 2017, 209, 729-737.	10.8	380
23	Well-designed 3D ZnIn2S4 nanosheets/TiO2 nanobelts as direct Z-scheme photocatalysts for CO2 photoreduction into renewable hydrocarbon fuel with high efficiency. Applied Catalysis B: Environmental, 2017, 219, 611-618.	10.8	375
24	Influence of Defects on the Photocatalytic Activity of ZnO. Journal of Physical Chemistry C, 2014, 118, 15300-15307.	1.5	361
25	Photocatalytic activity enhancement of core-shell structure g-C3N4@TiO2 via controlled ultrathin g-C3N4 layer. Applied Catalysis B: Environmental, 2018, 220, 337-347.	10.8	357
26	Efficient Photocatalytic Overall Water Splitting Induced by the Giant Internal Electric Field of a gâ€€₃N₄/rGO/PDIP Zâ€€Scheme Heterojunction. Advanced Materials, 2021, 33, e2007479.	11.1	354
27	Photocatalytic Degradation of RhB by Fluorinated Bi₂WO₆ and Distributions of the Intermediate Products. Environmental Science & Technology, 2008, 42, 2085-2091.	4.6	351
28	Enhancement of photocatalytic activity of Bi2WO6 hybridized with graphite-like C3N4. Journal of Materials Chemistry, 2012, 22, 11568.	6.7	342
29	Removal of Cr(VI) by 3D TiO 2 -graphene hydrogel via adsorption enriched with photocatalytic reduction. Applied Catalysis B: Environmental, 2016, 199, 412-423.	10.8	338
30	Photocatalytic properties of nanosized Bi2WO6 catalysts synthesized via a hydrothermal process. Applied Catalysis B: Environmental, 2006, 66, 100-110.	10.8	334
31	Selfâ€Assembled PDINH Supramolecular System for Photocatalysis under Visible Light. Advanced Materials, 2016, 28, 7284-7290.	11.1	333
32	Development of a Gas Sensor Utilizing Chemiluminescence on Nanosized Titanium Dioxide. Analytical Chemistry, 2002, 74, 120-124.	3.2	332
33	Enhanced catalytic activity of potassium-doped graphitic carbon nitride induced by lower valence position. Applied Catalysis B: Environmental, 2015, 164, 77-81.	10.8	329
34	Synergetic Effect of Bi₂WO₆ Photocatalyst with C₆₀ and Enhanced Photoactivity under Visible Irradiation. Environmental Science & Technology, 2007, 41, 6234-6239.	4.6	326
35	CN/rGO@BPQDs high-low junctions with stretching spatial charge separation ability for photocatalytic degradation and H2O2 production. Applied Catalysis B: Environmental, 2020, 266, 118602.	10.8	324
36	Photocatalytic degradation of tetracycline antibiotics using three-dimensional network structure perylene diimide supramolecular organic photocatalyst under visible-light irradiation. Applied Catalysis B: Environmental, 2020, 277, 119122.	10.8	317

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37	Photocorrosion Suppression of ZnO Nanoparticles via Hybridization with Graphite-like Carbon and Enhanced Photocatalytic Activity. Journal of Physical Chemistry C, 2009, 113, 2368-2374.	1.5	316
38	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-C₃N₄ Nanosheets. ACS Applied Materials & Interfaces, 2017, 9, 27727-27735.	4.0	300
39	A review of controllable synthesis and enhancement of performances of bismuth tungstate visible-light-driven photocatalysts. Catalysis Science and Technology, 2012, 2, 694.	2.1	299
40	Combination of photoelectrocatalysis and adsorption for removal of bisphenol A over TiO2-graphene hydrogel with 3D network structure. Applied Catalysis B: Environmental, 2018, 221, 36-46.	10.8	289
41	Enhancement of visible light photocatalytic activities via porous structure of g-C3N4. Applied Catalysis B: Environmental, 2014, 147, 229-235.	10.8	285
42	Nanoporous Graphitic Carbon Nitride with Enhanced Photocatalytic Performance. Langmuir, 2013, 29, 10566-10572.	1.6	284
43	3D-3D porous Bi2WO6/graphene hydrogel composite with excellent synergistic effect of adsorption-enrichment and photocatalytic degradation. Applied Catalysis B: Environmental, 2017, 205, 228-237.	10.8	272
44	Defect-related photoluminescence and photocatalytic properties of porous ZnO nanosheets. Journal of Materials Chemistry A, 2014, 2, 15377.	5.2	267
45	Visible Photocatalytic Activity Enhancement of ZnWO₄ by Graphene Hybridization. ACS Catalysis, 2012, 2, 2769-2778.	5.5	260
46	Significant photocatalytic enhancement in methylene blue degradation of TiO2 photocatalysts via graphene-like carbon in situ hybridization. Applied Catalysis B: Environmental, 2010, 100, 179-183.	10.8	259
47	Origin of Photocatalytic Activation of Silver Orthophosphate from First-Principles. Journal of Physical Chemistry C, 2011, 115, 4680-4687.	1.5	259
48	Photoelectrocatalytic degradation of phenol-containing wastewater by TiO2/g-C3N4 hybrid heterostructure thin film. Applied Catalysis B: Environmental, 2017, 201, 600-606.	10.8	258
49	Enhanced organic pollutant photodegradation via adsorption/photocatalysis synergy using a 3D g-C3N4/TiO2 free-separation photocatalyst. Chemical Engineering Journal, 2019, 370, 287-294.	6.6	258
50	Synergetic activation of peroxymonosulfate by Co3O4 modified g-C3N4 for enhanced degradation of diclofenac sodium under visible light irradiation. Applied Catalysis B: Environmental, 2017, 218, 810-818.	10.8	255
51	Enhancement of full-spectrum photocatalytic activity over BiPO4/Bi2WO6 composites. Applied Catalysis B: Environmental, 2017, 200, 222-229.	10.8	253
52	Significant Visible Photoactivity and Antiphotocorrosion Performance of CdS Photocatalysts after Monolayer Polyaniline Hybridization. Journal of Physical Chemistry C, 2010, 114, 5822-5826.	1.5	252
53	Surface oxygen vacancy induced photocatalytic performance enhancement of a BiPO₄nanorod. Journal of Materials Chemistry A, 2014, 2, 1174-1182.	5.2	252
54	A high-performance Bi2O3/Bi2SiO5 p-n heterojunction photocatalyst induced by phase transition of Bi2O3. Applied Catalysis B: Environmental, 2018, 237, 59-67.	10.8	252

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55	Steering Electronâ€“Hole Migration Pathways Using Oxygen Vacancies in Tungsten Oxides to Enhance Their Photocatalytic Oxygen Evolution Performance. Angewandte Chemie - International Edition, 2021, 60, 8236-8242.	7.2	249
56	Synergetic Degradation of Rhodamine B at a Porous ZnWO4Film Electrode by Combined Electro-Oxidation and Photocatalysis. Environmental Science & Technology, 2006, 40, 3367-3372.	4.6	232
57	Enhanced Photocatalytic Performance for the BiPO_{4â€“x} Nanorod Induced by Surface Oxygen Vacancy. Journal of Physical Chemistry C, 2013, 117, 18520-18528.	1.5	222
58	Removal of chromium (VI) by a self-regenerating and metal free g-C3N4/graphene hydrogel system via the synergy of adsorption and photo-catalysis under visible light. Applied Catalysis B: Environmental, 2017, 219, 53-62.	10.8	219
59	Recent advances in 3D g-C3N4 composite photocatalysts for photocatalytic water splitting, degradation of pollutants and CO2 reduction. Journal of Alloys and Compounds, 2019, 802, 196-209.	2.8	217
60	Significantly enhancement of photocatalytic performances via coreâ€“shell structure of ZnO@mpg-C3N4. Applied Catalysis B: Environmental, 2014, 147, 554-561.	10.8	215
61	Surface-modification of SiO2 nanoparticles with oleic acid. Applied Surface Science, 2003, 211, 315-320.	3.1	213
62	Polyaniline/Carbon Nitride Nanosheets Composite Hydrogel: A Separationâ€Free and Highâ€Efficient Photocatalyst with 3D Hierarchical Structure. Small, 2016, 12, 4370-4378.	5.2	209
63	Effects of Mo Replacement on the Structure and Visible-Light-Induced Photocatalytic Performances of Bi₂WO₆ Photocatalyst. ACS Catalysis, 2011, 1, 841-848.	5.5	204
64	Controlled Synthesis of the ZnWO₄ Nanostructure and Effects on the Photocatalytic Performance. Inorganic Chemistry, 2007, 46, 8372-8378.	1.9	200
65	Photocatalytic activities of a novel ZnWO4 catalyst prepared by a hydrothermal process. Applied Catalysis A: General, 2006, 306, 58-67.	2.2	198
66	A Fullâ€Spectrum Metalâ€Free Porphyrin Supramolecular Photocatalyst for Dual Functions of Highly Efficient Hydrogen and Oxygen Evolution. Advanced Materials, 2019, 31, e1806626.	11.1	198
67	Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. Applied Catalysis B: Environmental, 2009, 89, 570-576.	10.8	197
68	Supramolecular organic nanofibers with highly efficient and stable visible light photooxidation performance. Applied Catalysis B: Environmental, 2017, 202, 289-297.	10.8	195
69	Removal of bisphenol A over a separation free 3D Ag 3 PO 4 -graphene hydrogel via an adsorption-photocatalysis synergy. Applied Catalysis B: Environmental, 2017, 212, 41-49.	10.8	194
70	Visible light photoactivity enhancement via CuTCPP hybridized g-C3N4 nanocomposite. Applied Catalysis B: Environmental, 2015, 166-167, 366-373.	10.8	193
71	Enhancement of catalytic activity and oxidative ability for graphitic carbon nitride. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 28, 87-115.	5.6	192
72	Core-shell g-C3N4@ZnO composites as photoanodes with double synergistic effects for enhanced visible-light photoelectrocatalytic activities. Applied Catalysis B: Environmental, 2017, 217, 169-180.	10.8	190

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73	Photocatalytic Activity Enhancement for Bi₂WO₆ by Fluorine Substitution. Journal of Physical Chemistry C, 2009, 113, 19633-19638.	1.5	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.	10.8	183
75	Self-assembled perylene diimide based supramolecular heterojunction with Bi2WO6 for efficient visible-light-driven photocatalysis. Applied Catalysis B: Environmental, 2018, 232, 175-181.	10.8	183
76	Photodegradation of phenol via C 3 N 4 -agar hybrid hydrogel 3D photocatalysts with free separation. Applied Catalysis B: Environmental, 2016, 183, 263-268.	10.8	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 ZnIn2S4-Au-TiO2 heterostructure with enhanced activity for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 234, 260-267.	10.8	177
79	Enhancement of visible light mineralization ability and photocatalytic activity of BiPO4/BiOI. Applied Catalysis B: Environmental, 2015, 163, 547-553.	10.8	176
80	Solid-phase photocatalytic degradation of polystyrene plastic with TiO2 as photocatalyst. Journal of Solid State Chemistry, 2003, 174, 104-110.	1.4	173
81	Photocatalytic Degradation of Polystyrene Plastic under Fluorescent Light. Environmental Science & Technology, 2003, 37, 4494-4499.	4.6	170
82	Recent developments in nanomaterial optical sensors. TrAC - Trends in Analytical Chemistry, 2004, 23, 351-360.	5.8	170
83	The surface oxygen vacancy induced visible activity and enhanced UV activity of a ZnO1â^'x photocatalyst. Catalysis Science and Technology, 2013, 3, 3136.	2.1	167
84	Fabrication of Wideâ€"Rangeâ€"Visible Photocatalyst Bi2WO6â^'x nanoplates via Surface Oxygen Vacancies. Scientific Reports, 2016, 6, 19347.	1.6	165
85	Three-dimensional network structure assembled by g-C3N4 nanorods for improving visible-light photocatalytic performance. Applied Catalysis B: Environmental, 2019, 255, 117761.	10.8	164
86	Enhancement of mineralization ability for phenol via synergetic effect of photoelectrocatalysis of g-C3N4 film. Applied Catalysis B: Environmental, 2016, 180, 324-329.	10.8	162
87	Covalent combination of polyoxometalate and graphitic carbon nitride for light-driven hydrogen peroxide production. Nano Energy, 2017, 35, 405-414.	8.2	162
88	Size-controlled synthesis of BiPO4 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-C3N4 n-n heterojunction via Ï€-Ï€ interaction and interfacial charge separation. Applied Catalysis B: Environmental, 2020, 271, 118933.	10.8	161
90	Electron Spin Resonance Spin-Trapping Detection of Radical Intermediates in N-Doped TiO2-Assisted Photodegradation of 4-Chlorophenol. Journal of Physical Chemistry B, 2006, 110, 3061-3065.	1.2	160

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91	Photocatalytic degradation of deoxynivalenol using graphene/ZnO hybrids in aqueous suspension. Applied Catalysis B: Environmental, 2017, 204, 11-20.	10.8	160
92	A Highly Crystalline Perylene Imide Polymer with the Robust Builtâ€In Electric Field for Efficient Photocatalytic Water Oxidation. Advanced Materials, 2020, 32, e1907746.	11.1	160
93	Tuning the K⁺ Concentration in the Tunnels of Î±-MnO₂ To Increase the Content of Oxygen Vacancy for Ozone Elimination. Environmental Science & Technology, 2018, 52, 8684-8692.	4.6	158
94	Enhanced Photocatalytic Activity of ZnWO₄ Catalyst via Fluorine Doping. Journal of Physical Chemistry C, 2007, 111, 11952-11958.	1.5	157
95	Visible-light-driven photocatalyst of Bi2WO6 nanoparticles prepared via amorphous complex precursor and photocatalytic properties. Journal of Solid State Chemistry, 2006, 179, 62-69.	1.4	154
96	Correlation Effects on Lattice Relaxation and Electronic Structure of ZnO within the GGA+U Formalism. Journal of Physical Chemistry C, 2013, 117, 26029-26039.	1.5	151
97	Photocatalytic H₂ evolution on MoS₂â€“TiO₂ catalysts synthesized via mechanochemistry. Physical Chemistry Chemical Physics, 2015, 17, 933-940.	1.3	151
98	Photocatalytic performance of BiPO4 nanorods adjusted via defects. Applied Catalysis B: Environmental, 2016, 187, 204-211.	10.8	151
99	One-pot synthesis of C/Bi/Bi2O3 composite with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2017, 219, 63-72.	10.8	150
100	Synthesis of flower-like CuO nanostructures as a sensitive sensor for catalysis. Sensors and Actuators B: Chemical, 2008, 134, 761-768.	4.0	143
101	Ultrathin nanosheets g-C3N4@Bi2WO6 core-shell structure via low temperature reassembled strategy to promote photocatalytic activity. Applied Catalysis B: Environmental, 2018, 237, 633-640.	10.8	143
102	Photocatalytic hydrogen generation on bifunctional ternary heterostructured In₂S₃/MoS₂/CdS composites with high activity and stability under visible light irradiation. Journal of Materials Chemistry A, 2015, 3, 18406-18412.	5.2	142
103	Effects of distortion of PO4 tetrahedron on the photocatalytic performances of BiPO4. Catalysis Science and Technology, 2011, 1, 1399.	2.1	141
104	Photocatalytic enhancement of hybrid C₃N₄/TiO₂ prepared via ball milling method. Physical Chemistry Chemical Physics, 2015, 17, 3647-3652.	1.3	141
105	Synthesis, characterization and photocatalytic properties of nanosized Bi2WO6, PbWO4 and ZnWO4 catalysts. Materials Research Bulletin, 2007, 42, 696-706.	2.7	140
106	Photoelectric catalytic degradation of methylene blue by C60-modified TiO2 nanotube array. Applied Catalysis B: Environmental, 2009, 89, 425-431.	10.8	139
107	Construction of Interfacial Electric Field via Dualâ€Porphyrin Heterostructure Boosting Photocatalytic Hydrogen Evolution. Advanced Materials, 2022, 34, e2106807.	11.1	139
108	Enhancement of visible photocatalytic performances of a Bi₂MoO₆â€“BiOCl nanocomposite with plate-on-plate heterojunction structure. Physical Chemistry Chemical Physics, 2014, 16, 26314-26321.	1.3	138

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109	Ï€â€“Ï€ Interaction between self-assembled perylene diimide and 3D graphene for excellent visible-light photocatalytic activity. Applied Catalysis B: Environmental, 2019, 240, 225-233.	10.8	136
110	Effect of Compensated Codoping on the Photoelectrochemical Properties of Anatase TiO₂ Photocatalyst. Journal of Physical Chemistry C, 2011, 115, 16963-16969.	1.5	135
111	Structure and photocatalytic performances of glass/SnO2/TiO2 interface composite film. Applied Catalysis A: General, 2004, 257, 25-32.	2.2	134
112	Internal electric field engineering for steering photogenerated charge separation and enhancing photoactivity. EcoMat, 2019, 1, e12007.	6.8	134
113	ZnWO4 photocatalyst with high activity for degradation of organic contaminants. Journal of Alloys and Compounds, 2007, 432, 269-276.	2.8	132
114	A review of BiPO₄, a highly efficient oxyacid-type photocatalyst, used for environmental applications. Catalysis Science and Technology, 2015, 5, 3071-3083.	2.1	132
115	A simple and efficient strategy for the synthesis of a chemically tailored g-C₃N₄ material. Journal of Materials Chemistry A, 2014, 2, 17521-17529.	5.2	128
116	Enhanced photoactivity and oxidizing ability simultaneously via internal electric field and valence band position by crystal structure of bismuth oxyiodide. Applied Catalysis B: Environmental, 2020, 262, 118262.	10.8	128
117	Synthesis and photocatalytic performance of ZnWO4 catalyst. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 139, 201-208.	1.7	127
118	Degradation and mineralization mechanism of phenol by BiPO4 photocatalysis assisted with H2O2. Applied Catalysis B: Environmental, 2013, 142-143, 561-567.	10.8	127
119	Visible-light responsive PDI/rGO composite film for the photothermal catalytic degradation of antibiotic wastewater and interfacial water evaporation. Applied Catalysis B: Environmental, 2021, 291, 120127.	10.8	127
120	The synthesis of nanosized TiO2 powder using a sol-gel method with TiCl4 as a precursor. Journal of Materials Science, 2000, 35, 4049-4054.	1.7	126
121	Photoelectrocatalytic degradation of 4-chlorophenol at Bi2WO6 nanoflake film electrode under visible light irradiation. Applied Catalysis B: Environmental, 2007, 72, 92-97.	10.8	125
122	Efficient and stable photocatalytic degradation of tetracycline wastewater by 3D Polyaniline/Perylene diimide organic heterojunction under visible light irradiation. Chemical Engineering Journal, 2020, 397, 125476.	6.6	124
123	Structure and photocatalytic characteristics of TiO2 film photocatalyst coated on stainless steel webnet. Journal of Molecular Catalysis A, 2003, 202, 187-195.	4.8	123
124	A Fullâ€Spectrum Porphyrinâ€“Fullerene Dâ€“A Supramolecular Photocatalyst with Giant Builtâ€in Electric Field for Efficient Hydrogen Production. Advanced Materials, 2021, 33, e2101026.	11.1	122
125	Fluorine mediated photocatalytic activity of BiPO4. Applied Catalysis B: Environmental, 2014, 147, 851-857.	10.8	121
126	Supramolecular packing dominant photocatalytic oxidation and anticancer performance of PDI. Applied Catalysis B: Environmental, 2018, 231, 251-261.	10.8	121

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127	Enhancement of photocatalytic performance via a P3HT-g-C₃N₄ heterojunction. Journal of Materials Chemistry A, 2015, 3, 2741-2747.	5.2	119
128	Influence of OH-related defects on the performances of BiPO4 photocatalyst for the degradation of rhodamine B. Applied Catalysis B: Environmental, 2012, 115-116, 314-319.	10.8	118
129	Enhancement of photocatalytic activity for BiPO₄via phase junction. Journal of Materials Chemistry A, 2014, 2, 13041-13048.	5.2	118
130	Visible-Light Photocatalytic Degradation of BiTaO₄ Photocatalyst and Mechanism of Photocorrosion Suppression. Journal of Physical Chemistry C, 2010, 114, 6472-6477.	1.5	117
131	Designed synthesis of a p-Ag₂S/n-PDI self-assembled supramolecular heterojunction for enhanced full-spectrum photocatalytic activity. Journal of Materials Chemistry A, 2019, 7, 6482-6490.	5.2	117
132	Synthesis and characterization of the ZnO/mpg-C₃N₄ heterojunction photocatalyst with enhanced visible light photoactivity. Dalton Transactions, 2014, 43, 13105-13114.	1.6	116
133	Controlled synthesis of a highly dispersed BiPO₄ photocatalyst with surface oxygen vacancies. Nanoscale, 2015, 7, 13943-13950.	2.8	116
134	Preparation of visible light-driven g-C₃N₄@ZnO hybrid photocatalyst via mechanochemistry. Physical Chemistry Chemical Physics, 2014, 16, 17627-17633.	1.3	112
135	Supramolecular Zinc Porphyrin Photocatalyst with Strong Reduction Ability and Robust Builtâ€In Electric Field for Highly Efficient Hydrogen Production. Advanced Energy Materials, 2021, 11, 2101392.	10.2	111
136	Low temperature synthesis and characterization of molybdenum disulfide nanotubes and nanorods. Materials Chemistry and Physics, 2004, 87, 87-90.	2.0	110
137	Significant enhancement of the visible photocatalytic degradation performances of Î³-Bi2MoO6 nanoplate by graphene hybridization. Journal of Molecular Catalysis A, 2011, 340, 77-82.	4.8	110
138	Conjugated Polymers with Sequential Fluorination for Enhanced Photocatalytic H₂ Evolution via Proton-Coupled Electron Transfer. ACS Energy Letters, 2018, 3, 2544-2549.	8.8	109
139	Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. Applied Catalysis B: Environmental, 2018, 236, 428-435.	10.8	108
140	Synergistic introducing of oxygen vacancies and hybrid of organic semiconductor: Realizing deep structure modulation on Bi5O7I for high-efficiency photocatalytic pollutant oxidation. Applied Catalysis B: Environmental, 2020, 265, 118562.	10.8	106
141	Encapsulate Î±-MnO2 nanofiber within graphene layer to tune surface electronic structure for efficient ozone decomposition. Nature Communications, 2021, 12, 4152.	5.8	106
142	Constructing a novel Bi2SiO5/BiPO4 heterostructure with extended light response range and enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2018, 236, 205-211.	10.8	105
143	Photocatalytic activity enhancement of PDI supermolecular via Ï€-Ï€ action and energy level adjusting with graphene quantum dots. Applied Catalysis B: Environmental, 2021, 281, 119547.	10.8	104
144	The interaction of C60 fullerene and carbon nanotube with Ar ion beam. Applied Surface Science, 1999, 137, 83-90.	3.1	103

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145	Synthesis of ZnWO4 nanorods with [100] orientation and enhanced photocatalytic properties. Applied Catalysis B: Environmental, 2010, 100, 173-178.	10.8	103
146	Enhancement of photocatalytic degradation of polyethylene plastic with CuPc modified TiO2 photocatalyst under solar light irradiation. Applied Surface Science, 2008, 254, 1825-1829.	3.1	102
147	Application of Multiwalled Carbon Nanotubes as a Solidâ€Phase Extraction Sorbent for Chlorobenzenes. Analytical Letters, 2004, 37, 3085-3104.	1.0	101
148	Perylenetetracarboxylic acid nanosheets with internal electric fields and anisotropic charge migration for photocatalytic hydrogen evolution. Nature Communications, 2022, 13, 2067.	5.8	99
149	Amperometric Detection of Glucose with Glucose Oxidase Absorbed on Porous Nanocrystalline TiO2 Film. Electroanalysis, 2001, 13, 413-416.	1.5	98
150	Short-Range Ï€â€“Ï€ Stacking Assembly on P25 TiO₂ Nanoparticles for Enhanced Visible-Light Photocatalysis. ACS Catalysis, 2017, 7, 652-663.	5.5	98
151	Fabrication and photoelectrochemical properties of porous ZnWO4 film. Journal of Solid State Chemistry, 2006, 179, 2562-2570.	1.4	97
152	Enhanced visible light photocatalytic performance of a novel heterostructured Bi4O5Br2/Bi24O31Br10/Bi2SiO5 photocatalyst. Applied Catalysis B: Environmental, 2015, 172-173, 100-107.	10.8	94
153	Synthesis of nanosized NaTaO3 in low temperature and its photocatalytic performance. Journal of Solid State Chemistry, 2004, 177, 3868-3872.	1.4	93
154	Catalytic behavior of hydrothermally synthesized La0.5Sr0.5MnO3 single-crystal cubes in the oxidation of CO and CH4. Journal of Catalysis, 2007, 250, 1-11.	3.1	93
155	Fabrication of BiOI/graphene Hydrogel/FTO photoelectrode with 3D porous architecture for the enhanced photoelectrocatalytic performance. Applied Catalysis B: Environmental, 2018, 233, 202-212.	10.8	93
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