

# Jin-Long Zhang

## List of Publications by Year in descending order

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281  
papers

28,868  
citations

4641

85  
h-index

5806

161  
g-index

284  
all docs

284  
docs citations

284  
times ranked

25151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding TiO <sub>2</sub> Photocatalysis: Mechanisms and Materials. Chemical Reviews, 2014, 114, 9919-9986.	23.0	4,658
2	Synthesis and Characterization of Nitrogen-Doped TiO <sub>2</sub> Nanophotocatalyst with High Visible Light Activity. Journal of Physical Chemistry C, 2007, 111, 6976-6982.	1.5	943
3	Mesoporous TiO <sub>2</sub> Nanocrystals Grown in Situ on Graphene Aerogels for High Photocatalysis and Lithium-Ion Batteries. Journal of the American Chemical Society, 2014, 136, 5852-5855.	6.6	745
4	Metal Sulfides as Excellent Co-catalysts for H <sub>2</sub> O <sub>2</sub> Decomposition in Advanced Oxidation Processes. Chem, 2018, 4, 1359-1372.	5.8	679
5	Development of modified N doped TiO <sub>2</sub> photocatalyst with metals, nonmetals and metal oxides. Energy and Environmental Science, 2010, 3, 715.	15.6	593
6	Characterization of Fe <sup>3+</sup> -TiO <sub>2</sub> photocatalysts synthesized by hydrothermal method and their photocatalytic reactivity for photodegradation of XRG dye diluted in water. Journal of Molecular Catalysis A, 2004, 216, 35-43.	4.8	496
7	Singlet Oxygen Triggered by Superoxide Radicals in a Molybdenum Cocatalytic Fenton Reaction with Enhanced REDOX Activity in the Environment. Environmental Science & Technology, 2019, 53, 9725-9733.	4.6	465
8	Efficient Solar Light Harvesting CdS/Co <sub>9</sub> S <sub>8</sub> Hollow Cubes for Z-scheme Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 2684-2688.	7.2	445
9	Fe <sup>3+</sup> -TiO <sub>2</sub> photocatalysts prepared by combining sol-gel method with hydrothermal treatment and their characterization. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 196-204.	2.0	436
10	Recent advances in three-dimensional graphene based materials for catalysis applications. Chemical Society Reviews, 2018, 47, 2165-2216.	18.7	412
11	Preparation of Controllable Crystalline Titania and Study on the Photocatalytic Properties. Journal of Physical Chemistry B, 2005, 109, 8673-8678.	1.2	404
12	Size-dependent activity and selectivity of carbon dioxide photocatalytic reduction over platinum nanoparticles. Nature Communications, 2018, 9, 1252.	5.8	396
13	Preparation of Fe <sup>3+</sup> -doped TiO <sub>2</sub> catalysts by controlled hydrolysis of titanium alkoxide and study on their photocatalytic activity for methyl orange degradation. Journal of Hazardous Materials, 2008, 155, 572-579.	6.5	323
14	Designing 3D MoS <sub>2</sub> Sponge as Excellent Cocatalysts in Advanced Oxidation Processes for Pollutant Control. Angewandte Chemie - International Edition, 2020, 59, 13968-13976.	7.2	316
15	Enhancement of H <sub>2</sub> O <sub>2</sub> Decomposition by the Co-catalytic Effect of WS <sub>2</sub> on the Fenton Reaction for the Synchronous Reduction of Cr(VI) and Remediation of Phenol. Environmental Science & Technology, 2018, 52, 11297-11308.	4.6	315
16	An economic method to prepare vacuum activated photocatalysts with high photo-activities and photosensitivities. Chemical Communications, 2011, 47, 4947.	2.2	308
17	Self-doped Ti <sup>3+</sup> -enhanced TiO <sub>2</sub> nanoparticles with a high-performance photocatalysis. Journal of Catalysis, 2013, 297, 236-243.	3.1	266
18	A new approach to prepare Ti <sup>3+</sup> self-doped TiO <sub>2</sub> via NaBH <sub>4</sub> reduction and hydrochloric acid treatment. Applied Catalysis B: Environmental, 2014, 160-161, 240-246.	10.8	254

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19	Improved SERS Sensitivity on Plasmon-Free TiO <sub>2</sub> Photonic Microarray by Enhancing Light-Matter Coupling. <i>Journal of the American Chemical Society</i> , 2014, 136, 9886-9889.	6.6	252
20	New approaches to prepare nitrogen-doped TiO <sub>2</sub> photocatalysts and study on their photocatalytic activities in visible light. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 563-569.	10.8	247
21	Spatially Separated CdS Shells Exposed with Reduction Surfaces for Enhancing Photocatalytic Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017, 27, 1702624.	7.8	238
22	Constructing an Acidic Microenvironment by MoS <sub>2</sub> in Heterogeneous Fenton Reaction for Pollutant Control. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17155-17163.	7.2	237
23	Facile synthesis of the Ti <sup>3+</sup> self-doped TiO <sub>2</sub> -graphene nanosheet composites with enhanced photocatalysis. <i>Scientific Reports</i> , 2015, 5, 8591.	1.6	235
24	Developing stretchable and graphene-oxide-based hydrogel for the removal of organic pollutants and metal ions. <i>Applied Catalysis B: Environmental</i> , 2018, 222, 146-156.	10.8	231
25	Emerging Cocatalysts on g-C <sub>3</sub> N <sub>4</sub> for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2101070.	5.2	223
26	Modifications on reduced titanium dioxide photocatalysts: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017, 32, 21-39.	5.6	221
27	Ga-Doped and Pt-Loaded Porous TiO <sub>2</sub> @SiO <sub>2</sub> for Photocatalytic Nonoxidative Coupling of Methane. <i>Journal of the American Chemical Society</i> , 2019, 141, 6592-6600.	6.6	218
28	Ecofriendly Synthesis and Photocatalytic Activity of Uniform Cubic Ag@AgCl Plasmonic Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2013, 117, 213-220.	1.5	217
29	Z-Scheme BiOCl-Au-CdS Heterostructure with Enhanced Sunlight-Driven Photocatalytic Activity in Degrading Water Dyes and Antibiotics. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6958-6968.	3.2	216
30	Yolk-shell structured Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> as a photo-Fenton-like catalyst for the extremely efficient elimination of tetracycline. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 484-492.	10.8	216
31	One step activation of WO <sub>x</sub> /TiO <sub>2</sub> nanocomposites with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 397-405.	10.8	213
32	Synthesis and characterization of thermally stable Sm,N co-doped TiO <sub>2</sub> with highly visible light activity. <i>Journal of Hazardous Materials</i> , 2010, 182, 386-393.	6.5	213
33	Photocatalytic Oxidation of Ethylene to CO <sub>2</sub> and H <sub>2</sub> O on Ultrafine Powdered TiO <sub>2</sub> Photocatalysts in the Presence of O <sub>2</sub> and H <sub>2</sub> O. <i>Journal of Catalysis</i> , 1999, 185, 114-119.	3.1	211
34	Molybdenum sulfide Co-catalytic Fenton reaction for rapid and efficient inactivation of <i>Escherichia coli</i> . <i>Water Research</i> , 2018, 145, 312-320.	5.3	192
35	Ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheet with hierarchical pores and desirable energy band for highly efficient H <sub>2</sub> O <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118396.	10.8	183
36	Photo-Fenton degradation of phenol by CdS/rGO/Fe <sup>2+</sup> at natural pH with in situ-generated H <sub>2</sub> O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2019, 241, 367-374.	10.8	174

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37	Enhanced catalytic degradation of AO7 in the CeO <sub>2</sub> -H <sub>2</sub> O <sub>2</sub> system with Fe <sup>3+</sup> doping. Applied Catalysis B: Environmental, 2010, 101, 160-168.	10.8	168
38	Modulation of the Reduction Potential of TiO <sub>2</sub> by Fluorination for Efficient and Selective CH <sub>4</sub> Generation from CO <sub>2</sub> Photoreduction. Nano Letters, 2018, 18, 3384-3390.	4.5	166
39	Surface modification of TiO <sub>2</sub> with g-C <sub>3</sub> N <sub>4</sub> for enhanced UV and visible photocatalytic activity. Journal of Alloys and Compounds, 2015, 631, 328-334.	2.8	157
40	Core-Shell Structural CdS@SnO <sub>2</sub> Nanorods with Excellent Visible-Light Photocatalytic Activity for the Selective Oxidation of Benzyl Alcohol to Benzaldehyde. ACS Applied Materials & Interfaces, 2015, 7, 13849-13858.	4.0	156
41	Highly-dispersed Boron-doped Graphene Nanosheets Loaded with TiO <sub>2</sub> Nanoparticles for Enhancing CO <sub>2</sub> Photoreduction. Scientific Reports, 2014, 4, 6341.	1.6	156
42	Plasmonic MoO <sub>3</sub> @MoO <sub>3</sub> nanosheets for highly sensitive SERS detection through nanoshell-isolated electromagnetic enhancement. Chemical Communications, 2016, 52, 2893-2896.	2.2	154
43	Single-Atom Pt Loaded Zinc Vacancies ZnO@ZnS Induced Type-II Electron Transport for Efficiency Photocatalytic H <sub>2</sub> Evolution. Solar Rrl, 2021, 5, 2100536.	3.1	153
44	Platinum Single Atoms Anchored on a Covalent Organic Framework: Boosting Active Sites for Photocatalytic Hydrogen Evolution. ACS Catalysis, 2021, 11, 13266-13279.	5.5	149
45	One-step preparation, characterization and visible-light photocatalytic activity of Cr-doped TiO <sub>2</sub> with anatase and rutile bicrystalline phases. Chemical Engineering Journal, 2012, 191, 402-409.	6.6	139
46	Carbon nitride coupled Ti-SBA15 catalyst for visible-light-driven photocatalytic reduction of Cr (VI) and the synergistic oxidation of phenol. Applied Catalysis B: Environmental, 2017, 201, 1-11.	10.8	139
47	Self-modified breaking hydrogen bonds to highly crystalline graphitic carbon nitrides nanosheets for drastically enhanced hydrogen production. Applied Catalysis B: Environmental, 2018, 232, 306-313.	10.8	137
48	Efficient Fe(III)/Fe(II) cycling triggered by MoO <sub>2</sub> in Fenton reaction for the degradation of dye molecules and the reduction of Cr(VI). Chinese Chemical Letters, 2019, 30, 2205-2210.	4.8	137
49	Sandwich-structured AgCl@Ag@TiO <sub>2</sub> with excellent visible-light photocatalytic activity for organic pollutant degradation and E. coli K12 inactivation. Applied Catalysis B: Environmental, 2014, 158-159, 76-84.	10.8	132
50	An advanced TiO <sub>2</sub> /Fe <sub>2</sub> TiO <sub>5</sub> /Fe <sub>2</sub> O <sub>3</sub> triple-heterojunction with enhanced and stable visible-light-driven fenton reaction for the removal of organic pollutants. Applied Catalysis B: Environmental, 2017, 211, 157-166.	10.8	127
51	Stober-like method to synthesize ultradispersed Fe <sub>3</sub> O <sub>4</sub> nanoparticles on graphene with excellent Photo-Fenton reaction and high-performance lithium storage. Applied Catalysis B: Environmental, 2016, 183, 216-223.	10.8	125
52	Carbon dots modified mesoporous organosilica as an adsorbent for the removal of 2,4-dichlorophenol and heavy metal ions. Journal of Materials Chemistry A, 2015, 3, 13357-13364.	5.2	124
53	In situ growth of TiO <sub>2</sub> nanocrystals on g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic performance. Physical Chemistry Chemical Physics, 2015, 17, 17406-17412.	1.3	122
54	Recent Progress of Metal Sulfide Photocatalysts for Solar Energy Conversion. Advanced Materials, 2022, 34, .	11.1	122

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55	Bismuth-doped Ordered Mesoporous TiO <sub>2</sub> : Visible-Light Catalyst for Simultaneous Degradation of Phenol and Chromium. <i>Chemistry - A European Journal</i> , 2010, 16, 13795-13804.	1.7	121
56	Improving the thermal stability and photocatalytic activity of nanosized titanium dioxide via La <sup>3+</sup> and N co-doping. <i>Applied Catalysis B: Environmental</i> , 2011, 101, 376-381.	10.8	118
57	Well-designed Ag/ZnO/3D graphene structure for dye removal: Adsorption, photocatalysis and physical separation capabilities. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 66-78.	5.0	118
58	Ratiometric pH sensor based on mesoporous silica nanoparticles and Förster resonance energy transfer. <i>Chemical Communications</i> , 2010, 46, 8445.	2.2	115
59	Synergistic effect on the visible light activity of Ti <sup>3+</sup> doped TiO <sub>2</sub> nanorods/boron doped graphene composite. <i>Scientific Reports</i> , 2014, 4, 5493.	1.6	114
60	Fabrication of TiO <sub>2</sub> /Co-g-C <sub>3</sub> N <sub>4</sub> heterojunction catalyst and its photocatalytic performance. <i>Catalysis Communications</i> , 2017, 89, 125-128.	1.6	113
61	Electron directed migration cooperated with thermodynamic regulation over bimetallic NiFeP/g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118078.	10.8	113
62	Enhanced photocatalytic performance of TiO <sub>2</sub> based on synergistic effect of Ti <sup>3+</sup> self-doping and slow light effect. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 621-628.	10.8	111
63	Eco-friendly one-pot synthesis of well-adorned mesoporous g-C <sub>3</sub> N <sub>4</sub> with efficiently enhanced visible light photocatalytic activity. <i>Catalysis Science and Technology</i> , 2017, 7, 1726-1734.	2.1	111
64	Robust Photocatalytic H <sub>2</sub> O <sub>2</sub> Production over Inverse Opal g-C <sub>3</sub> N <sub>4</sub> with Carbon Vacancy under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16467-16473.	3.2	110
65	Singlet oxygen triggered by robust bimetallic MoFe/TiO <sub>2</sub> nanospheres of highly efficacy in solar-light-driven peroxymonosulfate activation for organic pollutants removal. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119930.	10.8	110
66	Efficient Solar Light Harvesting CdS/Co <sub>9</sub> S <sub>8</sub> Hollow Cubes for Z-scheme Photocatalytic Water Splitting. <i>Angewandte Chemie</i> , 2017, 129, 2728-2732.	1.6	108
67	Enhanced Photocatalysis by Au Nanoparticle Loading on TiO <sub>2</sub> Single-Crystal (001) and (110) Facets. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3910-3917.	2.1	105
68	Integration of redox cocatalysts for artificial photosynthesis. <i>Energy and Environmental Science</i> , 2021, 14, 5260-5288.	15.6	105
69	Stober-like method to synthesize ultralight, porous, stretchable Fe <sub>2</sub> O <sub>3</sub> /graphene aerogels for excellent performance in photo-Fenton reaction and electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12820-12827.	5.2	104
70	Study of Synergistic Effect of Ce- and S-Codoping on the Enhancement of Visible-Light Photocatalytic Activity of TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2013, 117, 9520-9528.	1.5	103
71	A robust and efficient catalyst of Cd <sub>x</sub> Zn <sub>1-x</sub> Se motivated by CoP for photocatalytic hydrogen evolution under sunlight irradiation. <i>Chemical Communications</i> , 2017, 53, 897-900.	2.2	103
72	Synthesis and photocatalytic activity of graphene based doped TiO <sub>2</sub> nanocomposites. <i>Applied Surface Science</i> , 2014, 319, 8-15.	3.1	102

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73	Z-scheme CdS@Au@BiVO <sub>4</sub> with enhanced photocatalytic activity for organic contaminant decomposition. <i>Catalysis Science and Technology</i> , 2017, 7, 124-132.	2.1	102
74	Carbon nitride nanotubes with in situ grafted hydroxyl groups for highly efficient spontaneous H <sub>2</sub> O <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 119993.	10.8	102
75	The preparation, and applications of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> heterojunction catalysts—a review. <i>Research on Chemical Intermediates</i> , 2017, 43, 2081-2101.	1.3	100
76	0D/2D plasmonic Cu <sub>2</sub> -xS/g-C <sub>3</sub> N <sub>4</sub> nanosheets harnessing UV-vis-NIR broad spectrum for photocatalytic degradation of antibiotic pollutant. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118326.	10.8	100
77	A Brown Mesoporous TiO <sub>2</sub> /MCF Composite with an Extremely High Quantum Yield of Solar Energy Photocatalysis for H <sub>2</sub> Evolution. <i>Small</i> , 2015, 11, 1920-1929.	5.2	99
78	Controllable synthesis of graphitic carbon nitride nanomaterials for solar energy conversion and environmental remediation: the road travelled and the way forward. <i>Catalysis Science and Technology</i> , 2018, 8, 4576-4599.	2.1	99
79	Z-scheme photo-Fenton system for efficiency synchronous oxidation of organic contaminants and reduction of metal ions. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119365.	10.8	97
80	One-step large-scale highly active g-C <sub>3</sub> N <sub>4</sub> nanosheets for efficient sunlight-driven photocatalytic hydrogen production. <i>Dalton Transactions</i> , 2017, 46, 10678-10684.	1.6	92
81	Highly-dispersed boron-doped graphene nanoribbons with enhanced conductivity and photocatalysis. <i>Chemical Communications</i> , 2014, 50, 6637-6640.	2.2	91
82	Mesoporous graphitic carbon nitride materials: synthesis and modifications. <i>Research on Chemical Intermediates</i> , 2016, 42, 3979-3998.	1.3	91
83	Synthesis of core-shell structured CdS@CeO <sub>2</sub> and CdS@TiO <sub>2</sub> composites and comparison of their photocatalytic activities for the selective oxidation of benzyl alcohol to benzaldehyde. <i>Catalysis Today</i> , 2017, 281, 181-188.	2.2	91
84	Synthesis of Yolk-Shell Structured Fe <sub>3</sub> O <sub>4</sub> @void@CdS Nanoparticles: A General and Effective Structure Design for Photo-Fenton Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20831-20838.	4.0	89
85	TiO <sub>2</sub> inverse opal photonic crystals: Synthesis, modification, and applications - A review. <i>Journal of Alloys and Compounds</i> , 2018, 769, 740-757.	2.8	88
86	Metallic Active Sites on MoO <sub>2</sub> (110) Surface to Catalyze Advanced Oxidation Processes for Efficient Pollutant Removal. <i>IScience</i> , 2020, 23, 100861.	1.9	86
87	Well-Dispersed Fe <sub>2</sub> O <sub>3</sub> Nanoparticles on g-C <sub>3</sub> N <sub>4</sub> for Efficient and Stable Photo-Fenton Photocatalysis under Visible Light Irradiation. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5387-5392.	1.0	85
88	Visible-Light-Driven Photocatalytic H <sub>2</sub> O <sub>2</sub> Production on g-C <sub>3</sub> N <sub>4</sub> Loaded with CoP as a Noble Metal Free Cocatalyst. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4797-4802.	1.0	84
89	Recent advances in visible light-responsive titanium oxide-based photocatalysts. <i>Research on Chemical Intermediates</i> , 2010, 36, 327-347.	1.3	82
90	Highly efficient photo-Fenton degradation of methyl orange facilitated by slow light effect and hierarchical porous structure of Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> photonic crystals. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1160-1167.	10.8	82

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91	Hydrophobic Carbon-Doped TiO <sub>2</sub> /MCF-F Composite as a High Performance Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7329-7336.	1.5	81
92	Sustainable activation of peroxymonosulfate by the Mo(IV) in MoS <sub>2</sub> for the remediation of aromatic organic pollutants. <i>Chinese Chemical Letters</i> , 2020, 31, 2803-2808.	4.8	81
93	Core-shell structured $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> @AgBr:Ag composite with high magnetic separation efficiency and excellent visible light activity for acid orange 7 degradation. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 22-28.	10.8	80
94	Dopant-Induced Edge and Basal Plane Catalytic Sites on Ultrathin C <sub>3</sub> N <sub>4</sub> Nanosheets for Photocatalytic Water Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7497-7502.	3.2	80
95	Improving the visible light photocatalytic activity of nano-sized titanium dioxide via the synergistic effects between sulfur doping and sulfation. <i>Applied Catalysis B: Environmental</i> , 2012, 115-116, 253-260.	10.8	79
96	Superoxide radicals dominated visible light driven peroxymonosulfate activation using molybdenum selenide (MoSe <sub>2</sub> ) for boosting catalytic degradation of pharmaceuticals and personal care products. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120223.	10.8	78
97	Non-oxidative Coupling of Methane: N-type Doping of Niobium Single Atoms in TiO <sub>2</sub> @SiO <sub>2</sub> Induces Electron Localization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11901-11909.	7.2	77
98	Ultradispersed Cobalt Ferrite Nanoparticles Assembled in Graphene Aerogel for Continuous Photo-Fenton Reaction and Enhanced Lithium Storage Performance. <i>Scientific Reports</i> , 2016, 6, 29099.	1.6	75
99	Gel-hydrothermal synthesis of carbon and boron co-doped TiO <sub>2</sub> and evaluating its photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2011, 192, 368-73.	6.5	73
100	One-Step Hydrothermal Method to Prepare Carbon and Lanthanum Co-Doped TiO <sub>2</sub> Nanocrystals with Exposed {001} Facets and Their High UV and Visible-Light Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2011, 17, 11432-11436.	1.7	72
101	Chiral Carbonaceous Nanotubes Modified with Titania Nanocrystals: Plasmon-Free and Recyclable SERS Sensitivity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10643-10647.	7.2	72
102	Economic Hydrophobicity Triggering of CO <sub>2</sub> Photoreduction for Selective CH <sub>4</sub> Generation on Noble-Metal-Free TiO <sub>2</sub> @SiO <sub>2</sub> . <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2962-2966.	2.1	70
103	g-C <sub>3</sub> N <sub>4</sub> /CoAl-LDH 2D/2D hybrid heterojunction for boosting photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 21331-21340.	3.8	70
104	Single-Atom High-Valent Fe(IV) for Promoted Photocatalytic Nitrogen Hydrogenation on Porous TiO <sub>2</sub> -SiO <sub>2</sub> . <i>ACS Catalysis</i> , 2021, 11, 4362-4371.	5.5	70
105	Facile phase control for hydrothermal synthesis of anatase-rutile TiO <sub>2</sub> with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015, 646, 380-386.	2.8	69
106	Self-modification of g-C <sub>3</sub> N <sub>4</sub> with its quantum dots for enhanced photocatalytic activity. <i>Catalysis Science and Technology</i> , 2018, 8, 2617-2623.	2.1	69
107	Double-cocatalysts promote charge separation efficiency in CO <sub>2</sub> photoreduction: spatial location matters. <i>Materials Horizons</i> , 2016, 3, 608-612.	6.4	68
108	Synthesis of sandwich-structured AgBr@Ag@TiO <sub>2</sub> composite photocatalyst and study of its photocatalytic performance for the oxidation of benzyl alcohols to benzaldehydes. <i>Chemical Engineering Journal</i> , 2016, 306, 1151-1161.	6.6	67

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109	Hierarchical macro-mesoporous g-C <sub>3</sub> N <sub>4</sub> with an inverse opal structure and vacancies for high-efficiency solar energy conversion and environmental remediation. <i>Nanoscale</i> , 2019, 11, 20638-20647.	2.8	67
110	Visible Light-Driven Selective Organic Degradation by FeTiO <sub>3</sub> /Persulfate System: the Formation and Effect of High Valent Fe(IV). <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119414.	10.8	67
111	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. <i>Applied Surface Science</i> , 2021, 538, 147813.	3.1	67
112	Superbright Multifluorescent Core-Shell Mesoporous Nanospheres as Trackable Transport Carrier for Drug. <i>ACS Nano</i> , 2011, 5, 3447-3455.	7.3	66
113	Carbon Vacancy Mediated Incorporation of Ti <sub>3</sub> C <sub>2</sub> Quantum Dots in a 3D Inverse Opal g-C <sub>3</sub> N <sub>4</sub> Schottky Junction Catalyst for Photocatalytic H <sub>2</sub> O <sub>2</sub> Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 481-488.	3.2	66
114	Exploring the Size Effect of Pt Nanoparticles on the Photocatalytic Nonoxidative Coupling of Methane. <i>ACS Catalysis</i> , 2021, 11, 3352-3360.	5.5	66
115	AgBr@Ag/TiO <sub>2</sub> core-shell composite with excellent visible light photocatalytic activity and hydrothermal stability. <i>Catalysis Communications</i> , 2013, 38, 16-20.	1.6	64
116	A facile approach to further improve the substitution of nitrogen into reduced TiO <sub>2</sub> with an enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2015, 170-171, 66-73.	10.8	64
117	MoO and Mo <sup>4+</sup> bimetallic reactive sites accelerating Fe <sup>2+</sup> /Fe <sup>3+</sup> cycling for the activation of peroxymonosulfate with significantly improved remediation of aromatic pollutants. <i>Chemosphere</i> , 2020, 244, 125539.	4.2	63
118	Effect of surface fluorination on the photocatalytic and photo-induced hydrophilic properties of porous TiO <sub>2</sub> films. <i>Applied Surface Science</i> , 2009, 255, 6290-6296.	3.1	62
119	Highly condensed g-C <sub>3</sub> N <sub>4</sub> -modified TiO <sub>2</sub> catalysts with enhanced photodegradation performance toward acid orange 7. <i>Journal of Materials Science</i> , 2015, 50, 3467-3476.	1.7	62
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225	Cobalt phosphide nanocages encapsulated with graphene as ultralong cycle life anodes for reversible lithium storage. <i>Research on Chemical Intermediates</i> , 2018, 44, 7847-7859.	1.3	16
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237	Mesoporous silica-based carbon dot-carbon nitride composite for efficient photocatalysis. <i>RSC Advances</i> , 2017, 7, 52626-52631.	1.7	13
238	Synthesis of cubic Ag@AgCl and Ag@AgBr plasmonic photocatalysts and comparison of their photocatalytic activity for degradation of methyl orange and 2,4-dichlorophenol. <i>Research on Chemical Intermediates</i> , 2018, 44, 4651-4661.	1.3	13
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240	Highly efficient photocatalytic H <sub>2</sub> O <sub>2</sub> production on core-shell CdS@CdIn <sub>2</sub> S <sub>4</sub> heterojunction in non-sacrificial system. <i>Research on Chemical Intermediates</i> , 2021, 47, 3379-3393.	1.3	13
241	Magnetic separation of metal sulfides/oxides by Fe <sub>3</sub> O <sub>4</sub> at room temperature and atmospheric pressure. <i>Rare Metals</i> , 2019, 38, 379-389.	3.6	12
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