Jin-Long Zhang

List of Publications by Year
in descending order

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281	28,868	4658	5829
papers	citations	85 h-index	161 g-index

284	284	284	25151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding TiO₂ Photocatalysis: Mechanisms and Materials. Chemical Reviews, 2014, 114, 9919-9986.	47.7	4,658
2	Synthesis and Characterization of Nitrogen-Doped TiO2Nanophotocatalyst with High Visible Light Activity. Journal of Physical Chemistry C, 2007, 111, 6976-6982.	3.1	943
3	Mesoporous TiO₂ Nanocrystals Grown in Situ on Graphene Aerogels for High Photocatalysis and Lithium-Ion Batteries. Journal of the American Chemical Society, 2014, 136, 5852-5855.	13.7	745
4	Metal Sulfides as Excellent Co-catalysts for H2O2 Decomposition in Advanced Oxidation Processes. CheM, 2018, 4, 1359-1372.	11.7	679
5	Development of modified N doped TiO2 photocatalyst with metals, nonmetals and metal oxides. Energy and Environmental Science, 2010, 3, 715.	30.8	593
6	Characterization of Feâ€“TiO2 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.	10.0	465
8	Efficient Solar Light Harvesting CdS/Co₉S₈ Hollow Cubes for Zâ€Scheme Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 2684-2688.	13.8	445
9	Fe3+-TiO2 photocatalysts prepared by combining solâ€“gel method with hydrothermal treatment and their characterization. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 196-204.	3.9	436
10	Recent advances in three-dimensional graphene based materials for catalysis applications. Chemical Society Reviews, 2018, 47, 2165-2216.	38.1	412
11	Preparation of Controllable Crystalline Titania and Study on the Photocatalytic Properties. Journal of Physical Chemistry B, 2005, 109, 8673-8678.	2.6	404
12	Size-dependent activity and selectivity of carbon dioxide photocatalytic reduction over platinum nanoparticles. Nature Communications, 2018, 9, 1252.	12.8	396
13	Preparation of Fe3+-doped TiO2 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.	12.4	323
14	Designing 3Dâ€MoS₂Sponge as Excellent Cocatalysts in Advanced Oxidation Processes for Pollutant Control. Angewandte Chemie - International Edition, 2020, 59, 13968-13976.	13.8	316
15	Enhancement of H₂O₂ Decomposition by the Co-catalytic Effect of WS₂ on the Fenton Reaction for the Synchronous Reduction of Cr(VI) and Remediation of Phenol. Environmental Science & Technology, 2018, 52, 11297-11308.	10.0	315
16	An economic method to prepare vacuum activated photocatalysts with high photo-activities and photosensitivities. Chemical Communications, 2011, 47, 4947.	4.1	308
17	Self-doped Ti 3+ -enhanced TiO 2 nanoparticles with a high-performance photocatalysis. Journal of Catalysis, 2013, 297, 236-243.	6.2	266
18	A new approach to prepare Ti3+ self-doped TiO2 via NaBH4 reduction and hydrochloric acid treatment. Applied Catalysis B: Environmental, 2014, 160-161, 240-246.	20.2	254

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19	Improved SERS Sensitivity on Plasmon-Free TiO₂ Photonic Microarray by Enhancing Light-Matter Coupling. Journal of the American Chemical Society, 2014, 136, 9886-9889.	13.7	252
20	New approaches to prepare nitrogen-doped TiO2 photocatalysts and study on their photocatalytic activities in visible light. Applied Catalysis B: Environmental, 2009, 89, 563-569.	20.2	247
21	Spatially Separated CdS Shells Exposed with Reduction Surfaces for Enhancing Photocatalytic Hydrogen Evolution. Advanced Functional Materials, 2017, 27, 1702624.	14.9	238
22	Constructing an Acidic Microenvironment by MoS₂ in Heterogeneous Fenton Reaction for Pollutant Control. Angewandte Chemie - International Edition, 2021, 60, 17155-17163.	13.8	237
23	Facile synthesis of the Ti3+ self-doped TiO2-graphene nanosheet composites with enhanced photocatalysis. Scientific Reports, 2015, 5, 8591.	3.3	235
24	Developing stretchable and graphene-oxide-based hydrogel for the removal of organic pollutants and metal ions. Applied Catalysis B: Environmental, 2018, 222, 146-156.	20.2	231
25	Emerging Cocatalysts on gâ€C₃N₄ for Photocatalytic Hydrogen Evolution. Small, 2021, 17, e2101070.	10.0	223
26	Modifications on reduced titanium dioxide photocatalysts: A review. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2017, 32, 21-39.	11.6	221
27	Ga-Doped and Pt-Loaded Porous TiO₂â€“SiO₂ for Photocatalytic Nonoxidative Coupling of Methane. Journal of the American Chemical Society, 2019, 141, 6592-6600.	13.7	218
28	Ecofriendly Synthesis and Photocatalytic Activity of Uniform Cubic Ag@AgCl Plasmonic Photocatalyst. Journal of Physical Chemistry C, 2013, 117, 213-220.	3.1	217
29	Z-Scheme BiOCl-Au-CdS Heterostructure with Enhanced Sunlight-Driven Photocatalytic Activity in Degrading Water Dyes and Antibiotics. ACS Sustainable Chemistry and Engineering, 2017, 5, 6958-6968.	6.7	216
30	Yolk-shell structured Fe3O4@void@TiO2 as a photo-Fenton-like catalyst for the extremely efficient elimination of tetracycline. Applied Catalysis B: Environmental, 2017, 200, 484-492.	20.2	216
31	One step activation of WOx/TiO2 nanocomposites with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2009, 91, 397-405.	20.2	213
32	Synthesis and characterization of thermally stable Sm,N co-doped TiO2 with highly visible light activity. Journal of Hazardous Materials, 2010, 182, 386-393.	12.4	213
33	Photocatalytic Oxidation of Ethylene to CO2 and H2O on Ultrafine Powdered TiO2 Photocatalysts in the Presence of O2 and H2O. Journal of Catalysis, 1999, 185, 114-119.	6.2	211
34	Molybdenum sulfide Co-catalytic Fenton reaction for rapid and efficient inactivation of Escherichia coli. Water Research, 2018, 145, 312-320.	11.3	192
35	Ultrathin g-C3N4 nanosheet with hierarchical pores and desirable energy band for highly efficient H2O2 production. Applied Catalysis B: Environmental, 2020, 267, 118396.	20.2	183
36	Photo-Fenton degradation of phenol by CdS/rGO/Fe2+ at natural pH with in situ-generated H2O2. Applied Catalysis B: Environmental, 2019, 241, 367-374.	20.2	174

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37	Enhanced catalytic degradation of AO7 in the CeO2â€“H2O2 system with Fe3+ doping. Applied Catalysis B: Environmental, 2010, 101, 160-168.	20.2	168
38	Modulation of the Reduction Potential of TiO_{2â€“x} by Fluorination for Efficient and Selective CH₄ Generation from CO₂ Photoreduction. Nano Letters, 2018, 18, 3384-3390.	9.1	166
39	Surface modification of TiO2 with g-C3N4 for enhanced UV and visible photocatalytic activity. Journal of Alloys and Compounds, 2015, 631, 328-334.	5.5	157
40	Coreâ€“Shell Structural CdS@SnO₂ Nanorods with Excellent Visible-Light Photocatalytic Activity for the Selective Oxidation of Benzyl Alcohol to Benzaldehyde. ACS Applied Materials & Interfaces, 2015, 7, 13849-13858.	8.0	156
41	Highly-dispersed Boron-doped Graphene Nanosheets Loaded with TiO2 Nanoparticles for Enhancing CO2 Photoreduction. Scientific Reports, 2014, 4, 6341.	3.3	156
42	Plasmonic MoO_{3â^'x}@MoO₃ nanosheets for highly sensitive SERS detection through nanoshell-isolated electromagnetic enhancement. Chemical Communications, 2016, 52, 2893-2896.	4.1	154
43	Singleâ€Atom Pt Loaded Zinc Vacancies ZnOâ€“ZnS Induced Typeâ€V Electron Transport for Efficiency Photocatalytic H₂ Evolution. Solar Rrl, 2021, 5, 2100536.	5.8	153
44	Platinum Single Atoms Anchored on a Covalent Organic Framework: Boosting Active Sites for Photocatalytic Hydrogen Evolution. ACS Catalysis, 2021, 11, 13266-13279.	11.2	149
45	One-step preparation, characterization and visible-light photocatalytic activity of Cr-doped TiO2 with anatase and rutile bicrystalline phases. Chemical Engineering Journal, 2012, 191, 402-409.	12.7	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.	20.2	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.	20.2	137
48	Efficient Fe(III)/Fe(II) cycling triggered by MoO2 in Fenton reaction for the degradation of dye molecules and the reduction of Cr(VI). Chinese Chemical Letters, 2019, 30, 2205-2210.	9.0	137
49	Sandwich-structured AgCl@Ag@TiO2 with excellent visible-light photocatalytic activity for organic pollutant degradation and E. coli K12 inactivation. Applied Catalysis B: Environmental, 2014, 158-159, 76-84.	20.2	132
50	An advanced TiO2/Fe2TiO5/Fe2O3 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.	20.2	127
51	StÃ¶ber-like method to synthesize ultradispersed Fe 3 O 4 nanoparticles on graphene with excellent Photo-Fenton reaction and high-performance lithium storage. Applied Catalysis B: Environmental, 2016, 183, 216-223.	20.2	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.	10.3	124
53	In situ growth of TiO₂ nanocrystals on g-C₃N₄ for enhanced photocatalytic performance. Physical Chemistry Chemical Physics, 2015, 17, 17406-17412.	2.8	122
54	Recent Progress of Metal Sulfide Photocatalysts for Solar Energy Conversion. Advanced Materials, 2022, 34, .	21.0	122

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55	BismuthâEDoped Ordered Mesoporous TiO₂: VisibleâELight Catalyst for Simultaneous Degradation of Phenol and Chromium. Chemistry - A European Journal, 2010, 16, 13795-13804.	3.3	121
56	Improving the thermal stability and photocatalytic activity of nanosized titanium dioxide via La3+ and N co-doping. Applied Catalysis B: Environmental, 2011, 101, 376-381.	20.2	118
57	Well-designed Ag/ZnO/3D graphene structure for dye removal: Adsorption, photocatalysis and physical separation capabilities. Journal of Colloid and Interface Science, 2019, 537, 66-78.	9.4	118
58	Ratiometric pH sensor based on mesoporous silica nanoparticles and FÃ¶rster resonance energy transfer. Chemical Communications, 2010, 46, 8445.	4.1	115
59	Synergistic effect on the visible light activity of Ti3+ doped TiO2 nanorods/boron doped graphene composite. Scientific Reports, 2014, 4, 5493.	3.3	114
60	Fabrication of TiO2/Co-g-C3N4 heterojunction catalyst and its photocatalytic performance. Catalysis Communications, 2017, 89, 125-128.	3.3	113
61	Electron directed migration cooperated with thermodynamic regulation over bimetallic NiFeP/g-C3N4 for enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 259, 118078.	20.2	113
62	Enhanced photocatalytic performance of TiO2 based on synergistic effect of Ti3+ self-doping and slow light effect. Applied Catalysis B: Environmental, 2014, 160-161, 621-628.	20.2	111
63	Eco-friendly one-pot synthesis of well-adorned mesoporous g-C₃N₄ with efficiently enhanced visible light photocatalytic activity. Catalysis Science and Technology, 2017, 7, 1726-1734.	4.1	111
64	Robust Photocatalytic H₂O₂ Production over Inverse Opal g-C₃N₄ with Carbon Vacancy under Visible Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 16467-16473.	6.7	110
65	Singlet oxygen triggered by robust bimetallic MoFe/TiO2 nanospheres of highly efficacy in solar-light-driven peroxymonosulfate activation for organic pollutants removal. Applied Catalysis B: Environmental, 2021, 286, 119930.	20.2	110
66	Efficient Solar Light Harvesting CdS/Co₉S₈ Hollow Cubes for Zâ€Scheme Photocatalytic Water Splitting. Angewandte Chemie, 2017, 129, 2728-2732.	2.0	108
67	Enhanced Photocatalysis by Au Nanoparticle Loading on TiO₂ Single-Crystal (001) and (110) Facets. Journal of Physical Chemistry Letters, 2013, 4, 3910-3917.	4.6	105
68	Integration of redox cocatalysts for artificial photosynthesis. Energy and Environmental Science, 2021, 14, 5260-5288.	30.8	105
69	StÃ¶ber-like method to synthesize ultralight, porous, stretchable Fe₂O₃/graphene aerogels for excellent performance in photo-Fenton reaction and electrochemical capacitors. Journal of Materials Chemistry A, 2015, 3, 12820-12827.	10.3	104
70	Study of Synergistic Effect of Ce- and S-Codoping on the Enhancement of Visible-Light Photocatalytic Activity of TiO₂. Journal of Physical Chemistry C, 2013, 117, 9520-9528.	3.1	103
71	A robust and efficient catalyst of Cd_xZn_{1â”x}Se motivated by CoP for photocatalytic hydrogen evolution under sunlight irradiation. Chemical Communications, 2017, 53, 897-900.	4.1	103
72	Synthesis and photocatalytic activity of graphene based doped TiO2 nanocomposites. Applied Surface Science, 2014, 319, 8-15.	6.1	102

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73	Z-scheme CdSâ€“Auâ€“BiVO₄with enhanced photocatalytic activity for organic contaminant decomposition. Catalysis Science and Technology, 2017, 7, 124-132.	4.1	102
74	Carbon nitride nanotubes with in situ grafted hydroxyl groups for highly efficient spontaneous H2O2 production. Applied Catalysis B: Environmental, 2021, 288, 119993.	20.2	102
75	The preparation, and applications of g-C3N4/TiO2 heterojunction catalystsâ€”a review. Research on Chemical Intermediates, 2017, 43, 2081-2101.	2.7	100
76	0D/2D plasmonic Cu2-xS/g-C3N4 nanosheets harnessing UV-vis-NIR broad spectrum for photocatalytic degradation of antibiotic pollutant. Applied Catalysis B: Environmental, 2020, 263, 118326.	20.2	100
77	A Brown Mesoporous TiO_{2â€x}/MCF Composite with an Extremely High Quantum Yield of Solar Energy Photocatalysis for H₂ Evolution. Small, 2015, 11, 1920-1929.	10.0	99
78	Controllable synthesis of graphitic carbon nitride nanomaterials for solar energy conversion and environmental remediation: the road travelled and the way forward. Catalysis Science and Technology, 2018, 8, 4576-4599.	4.1	99
79	Z-scheme photo-Fenton system for efficiency synchronous oxidation of organic contaminants and reduction of metal ions. Applied Catalysis B: Environmental, 2020, 279, 119365.	20.2	97
80	One-step large-scale highly active g-C₃N₄ nanosheets for efficient sunlight-driven photocatalytic hydrogen production. Dalton Transactions, 2017, 46, 10678-10684.	3.3	92
81	Highly-dispersed boron-doped graphene nanoribbons with enhanced conductibility and photocatalysis. Chemical Communications, 2014, 50, 6637-6640.	4.1	91
82	Mesoporous graphitic carbon nitride materials: synthesis and modifications. Research on Chemical Intermediates, 2016, 42, 3979-3998.	2.7	91
83	Synthesis of core-shell structured CdS@CeO 2 and CdS@TiO 2 composites and comparison of their photocatalytic activities for the selective oxidation of benzyl alcohol to benzaldehyde. Catalysis Today, 2017, 281, 181-188.	4.4	91
84	Synthesis of Yolkâ€“Shell Structured Fe₃O₄@void@CdS Nanoparticles: A General and Effective Structure Design for Photo-Fenton Reaction. ACS Applied Materials & Interfaces, 2016, 8, 20831-20838.	8.0	89
85	TiO2 inverse opal photonic crystals: Synthesis, modification, and applications - A review. Journal of Alloys and Compounds, 2018, 769, 740-757.	5.5	88
86	Metallic Active Sites on MoO2(110) Surface to Catalyze Advanced Oxidation Processes for Efficient Pollutant Removal. IScience, 2020, 23, 100861.	4.1	86
87	Wellâ€Dispersed Fe₂O₃ Nanoparticles on gâ€C₃N₄ for Efficient and Stable Photoâ€Fenton Photocatalysis under Visibleâ€Light Irradiation. European Journal of Inorganic Chemistry, 2016, 2016, 5387-5392.	2.0	85
88	Visibleâ€Lightâ€Driven Photocatalytic H₂O₂ Production on gâ€C₃N₄ Loaded with CoP as a Noble Metal Free Cocatalyst. European Journal of Inorganic Chemistry, 2017, 2017, 4797-4802.	2.0	84
89	Recent advances in visible light-responsive titanium oxide-based photocatalysts. Research on Chemical Intermediates, 2010, 36, 327-347.	2.7	82
90	Highly efficient photo-Fenton degradation of methyl orange facilitated by slow light effect and hierarchical porous structure of Fe2O3-SiO2 photonic crystals. Applied Catalysis B: Environmental, 2018, 237, 1160-1167.	20.2	82

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91	Hydrophobic Carbon-Doped TiO₂/MCF-F Composite as a High Performance Photocatalyst. Journal of Physical Chemistry C, 2014, 118, 7329-7336.	3.1	81
92	Sustainable activation of peroxymonosulfate by the Mo(IV) in MoS2 for the remediation of aromatic organic pollutants. Chinese Chemical Letters, 2020, 31, 2803-2808.	9.0	81
93	Coreâ€“shell structured Î³-Fe2O3@SiO2@AgBr:Ag composite with high magnetic separation efficiency and excellent visible light activity for acid orange 7 degradation. Applied Catalysis B: Environmental, 2014, 147, 22-28.	20.2	80
94	Dopant-Induced Edge and Basal Plane Catalytic Sites on Ultrathin C₃N₄ Nanosheets for Photocatalytic Water Reduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 7497-7502.	6.7	80
95	Improving the visible light photocatalytic activity of nano-sized titanium dioxide via the synergistic effects between sulfur doping and sulfation. Applied Catalysis B: Environmental, 2012, 115-116, 253-260.	20.2	79
96	Superoxide radicals dominated visible light driven peroxymonosulfate activation using molybdenum selenide (MoSe2) for boosting catalytic degradation of pharmaceuticals and personal care products. Applied Catalysis B: Environmental, 2021, 296, 120223.	20.2	78
97	Nonâ€oxidative Coupling of Methane: Nâ€type Doping of Niobium Single Atoms in TiO₂â€“SiO₂ Induces Electron Localization. Angewandte Chemie - International Edition, 2021, 60, 11901-11909.	13.8	77
98	Ultradispersed Cobalt Ferrite Nanoparticles Assembled in Graphene Aerogel for Continuous Photo-Fenton Reaction and Enhanced Lithium Storage Performance. Scientific Reports, 2016, 6, 29099.	3.3	75
99	Gel-hydrothermal synthesis of carbon and boron co-doped TiO2 and evaluating its photocatalytic activity. Journal of Hazardous Materials, 2011, 192, 368-73.	12.4	73
100	Oneâ€Step Hydrothermal Method to Prepare Carbon and Lanthanum Coâ€Doped TiO₂ Nanocrystals with Exposed {001} Facets and Their High UV and Visibleâ€Light Photocatalytic Activity. Chemistry - A European Journal, 2011, 17, 11432-11436.	3.3	72
101	Chiral Carbonaceous Nanotubes Modified with Titania Nanocrystals: Plasmonâ€Free and Recyclable SERS Sensitivity. Angewandte Chemie - International Edition, 2015, 54, 10643-10647.	13.8	72
102	Economic Hydrophobicity Triggering of CO₂ Photoreduction for Selective CH₄ Generation on Noble-Metal-Free TiO₂â€“SiO₂. Journal of Physical Chemistry Letters, 2016, 7, 2962-2966.	4.6	70
103	g-C3N4/CoAl-LDH 2D/2D hybrid heterojunction for boosting photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 21331-21340.	7.1	70
104	Single-Atom High-Valent Fe(IV) for Promoted Photocatalytic Nitrogen Hydrogenation on Porous TiO₂-SiO₂. ACS Catalysis, 2021, 11, 4362-4371.	11.2	70
105	Facile phase control for hydrothermal synthesis of anatase-rutile TiO2 with enhanced photocatalytic activity. Journal of Alloys and Compounds, 2015, 646, 380-386.	5.5	69
106	Self-modification of g-C₃N₄ with its quantum dots for enhanced photocatalytic activity. Catalysis Science and Technology, 2018, 8, 2617-2623.	4.1	69
107	Double-cocatalysts promote charge separation efficiency in CO₂ photoreduction: spatial location matters. Materials Horizons, 2016, 3, 608-612.	12.2	68
108	Synthesis of sandwich-structured AgBr@Ag@TiO 2 composite photocatalyst and study of its photocatalytic performance for the oxidation of benzyl alcohols to benzaldehydes. Chemical Engineering Journal, 2016, 306, 1151-1161.	12.7	67

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109	Hierarchical macro-mesoporous g-C₃N₄ with an inverse opal structure and vacancies for high-efficiency solar energy conversion and environmental remediation. Nanoscale, 2019, 11, 20638-20647.	5.6	67
110	Visible Light-Driven Selective Organic Degradation by FeTiO3/Persulfate System: the Formation and Effect of High Valent Fe(IV). Applied Catalysis B: Environmental, 2021, 280, 119414.	20.2	67
111	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. Applied Surface Science, 2021, 538, 147813.	6.1	67
112	Superbright Multifluorescent Coreâ"Shell Mesoporous Nanospheres as Trackable Transport Carrier for Drug. ACS Nano, 2011, 5, 3447-3455.	14.6	66
113	Carbon Vacancy Mediated Incorporation of Ti₃C₂ Quantum Dots in a 3D Inverse Opal g-C₃N₄ Schottky Junction Catalyst for Photocatalytic H₂O₂ Production. ACS Sustainable Chemistry and Engineering, 2021, 9, 481-488.	6.7	66
114	Exploring the Size Effect of Pt Nanoparticles on the Photocatalytic Nonoxidative Coupling of Methane. ACS Catalysis, 2021, 11, 3352-3360.	11.2	66
115	AgBr@Ag/TiO2 coreâ€"shell composite with excellent visible light photocatalytic activity and hydrothermal stability. Catalysis Communications, 2013, 38, 16-20.	3.3	64
116	A facile approach to further improve the substitution of nitrogen into reduced TiO2â" with an enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2015, 170-171, 66-73.	20.2	64
117	Mo0 and Mo4+ bimetallic reactive sites accelerating Fe2+/Fe3+ cycling for the activation of peroxymonosulfate with significantly improved remediation of aromatic pollutants. Chemosphere, 2020, 244, 125539.	8.2	63
118	Effect of surface fluorination on the photocatalytic and photo-induced hydrophilic properties of porous TiO2 films. Applied Surface Science, 2009, 255, 6290-6296.	6.1	62
119	Highly condensed g-C3N4-modified TiO2 catalysts with enhanced photodegradation performance toward acid orange 7. Journal of Materials Science, 2015, 50, 3467-3476.	3.7	62
120	Photocatalytic Performance of N-Doped TiO2 Adsorbed with Fe3+ Ions under Visible Light by a Redox Treatment. Journal of Physical Chemistry C, 2009, 113, 12848-12853.	3.1	61
121	Enhanced photocatalytic activities of vacuum activated TiO2 catalysts with Ti3+ and N co-doped. Catalysis Today, 2016, 266, 188-196.	4.4	61
122	Super-hydrophobic fluorination mesoporous MCF/TiO2 composite as a high-performance photocatalyst. Journal of Catalysis, 2012, 294, 37-46.	6.2	60
123	Preparation of high photocatalytic activity TiO2 with a bicrystalline phase containing anatase and TiO2 (B). Materials Letters, 2005, 59, 3378-3381.	2.6	58
124	Z-scheme inverse opal CN/BiOBr photocatalysts for highly efficient degradation of antibiotics. Physical Chemistry Chemical Physics, 2019, 21, 12818-12825.	2.8	58
125	Research progress of photocatalysis based on highly dispersed titanium in mesoporous SiO2. Chinese Chemical Letters, 2019, 30, 853-862.	9.0	58
126	Hollow Fe3O4/carbon with surface mesopores derived from MOFs for enhanced lithium storage performance. Science Bulletin, 2020, 65, 233-242.	9.0	58

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127	A colorimetric and ratiometric fluorescent probe for detection of palladium in the red light region. RSC Advances, 2015, 5, 52516-52521.	3.6	57
128	Nickel Boride Cocatalyst Boosting Efficient Photocatalytic Hydrogen Evolution Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 8125-8130.	3.7	57
129	KOH-Assisted Band Engineering of Polymeric Carbon Nitride for Visible Light Photocatalytic Oxygen Reduction to Hydrogen Peroxide. ACS Sustainable Chemistry and Engineering, 2020, 8, 594-603.	6.7	57
130	An inverse opal TiO₂/g-C₃N₄ composite with a heterojunction for enhanced visible light-driven photocatalytic activity. Dalton Transactions, 2019, 48, 3486-3495.	3.3	56
131	Morphology-Controlled Synthesis and Applications of Silver Halide Photocatalytic Materials. Catalysis Surveys From Asia, 2012, 16, 210-230.	2.6	55
132	Multifluorescently Traceable Nanoparticle by a Single-Wavelength Excitation with Color-Related Drug Release Performance. Journal of the American Chemical Society, 2012, 134, 8746-8749.	13.7	54
133	Peroxymonosulfate activation by three-dimensional cobalt hydroxide/graphene oxide hydrogel for wastewater treatment through an automated process. Chemical Engineering Journal, 2020, 400, 125965.	12.7	54
134	Efficient degradation of antibiotics in different water matrices through the photocatalysis of inverse opal K-g-C3N4: Insights into mechanism and assessment of antibacterial activity. Chemical Engineering Journal, 2020, 400, 125902.	12.7	54
135	Fabrication of Co3O4 and Au co-modified BiOBr flower-like microspheres with high photocatalytic efficiency for sulfadiazine degradation. Separation and Purification Technology, 2020, 234, 116100.	7.9	52
136	Designing 3Dâ€MoS₂Sponge as Excellent Cocatalysts in Advanced Oxidation Processes for Pollutant Control. Angewandte Chemie, 2020, 132, 14072-14080.	2.0	52
137	Reduced {001}-TiO_{2â^'x} photocatalysts: noble-metal-free CO₂ photoreduction for selective CH₄ evolution. Physical Chemistry Chemical Physics, 2017, 19, 13875-13881.	2.8	50
138	Plasmon-free SERS self-monitoring of catalysis reaction on Au nanoclusters/TiO₂ photonic microarray. Chemical Communications, 2015, 51, 8813-8816.	4.1	49
139	Realization of all-in-one hydrogen-evolving photocatalysts via selective atomic substitution. Applied Catalysis B: Environmental, 2021, 298, 120518.	20.2	49
140	A colorimetric and ratiometric fluorescent probe with a large stokes shift for detection of hydrogen sulfide. Dyes and Pigments, 2015, 123, 78-84.	3.7	46
141	Study of synergistic effect of Sc and C co-doping on the enhancement of visible light photo-catalytic activity of TiO2. Applied Surface Science, 2016, 364, 446-454.	6.1	46
142	Yolk-shell structured composite for fast and selective lithium ion sieving. Journal of Colloid and Interface Science, 2018, 520, 33-40.	9.4	46
143	silver halide/silver iodide@silver composite with excellent visible light photocatalytic activity for methyl orange degradation. Journal of Colloid and Interface Science, 2013, 405, 17-21.	9.4	45
144	Carbon Dotâ€Incorporated PMO Nanoparticles as Versatile Platforms for the Design of Ratiometric Sensors, Multichannel Traceable Drug Delivery Vehicles, and Efficient Photocatalysts. Advanced Optical Materials, 2015, 3, 57-63.	7.3	45

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145	Graphene modified mesoporous titania single crystals with controlled and selective photoredox surfaces. Chemical Communications, 2016, 52, 1689-1692.	4.1	45
146	0D/3D coupling of g-C3N4 QDs/hierarchical macro-mesoporous CuO-SiO2 for high-efficiency norfloxacin removal in photo-Fenton-like processes. Journal of Hazardous Materials, 2021, 419, 126359.	12.4	45
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