

Jiaguo Yu

List of Publications by Year in descending order

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802
papers

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820
all docs

820
docs citations

820
times ranked

61718
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017, 29, 1601694.	11.1	3,143
2	Polymeric Photocatalysts Based on Graphitic Carbon Nitride. <i>Advanced Materials</i> , 2015, 27, 2150-2176.	11.1	3,046
3	Graphene-based semiconductor photocatalysts. <i>Chemical Society Reviews</i> , 2012, 41, 782-796.	18.7	2,497
4	Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Production of CdS-Cluster-Decorated Graphene Nanosheets. <i>Journal of the American Chemical Society</i> , 2011, 133, 10878-10884.	6.6	2,260
5	Synergetic Effect of MoS ₂ and Graphene as Cocatalysts for Enhanced Photocatalytic H ₂ Production Activity of TiO ₂ Nanoparticles. <i>Journal of the American Chemical Society</i> , 2012, 134, 6575-6578.	6.6	2,245
6	Earth-abundant cocatalysts for semiconductor-based photocatalytic water splitting. <i>Chemical Society Reviews</i> , 2014, 43, 7787-7812.	18.7	2,125
7	S-Scheme Heterojunction Photocatalyst. <i>CheM</i> , 2020, 6, 1543-1559.	5.8	1,993
8	All-Solid-State Z-Scheme Photocatalytic Systems. <i>Advanced Materials</i> , 2014, 26, 4920-4935.	11.1	1,989
9	Ultrathin 2D/2D WO ₃ /g-C ₃ N ₄ step-scheme H ₂ -production photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 556-565.	10.8	1,895
10	g-C ₃ N ₄ -Based Heterostructured Photocatalysts. <i>Advanced Energy Materials</i> , 2018, 8, 1701503.	10.2	1,870
11	Enhanced Photocatalytic CO ₂ -Reduction Activity of Anatase TiO ₂ by Coexposed {001} and {101} Facets. <i>Journal of the American Chemical Society</i> , 2014, 136, 8839-8842.	6.6	1,701
12	Preparation and Enhanced Visible-Light Photocatalytic H ₂ -Production Activity of Graphene/C ₃ N ₄ Composites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7355-7363.	1.5	1,694
13	Engineering heterogeneous semiconductors for solar water splitting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2485-2534.	5.2	1,609
14	Cocatalysts for Selective Photoreduction of CO ₂ into Solar Fuels. <i>Chemical Reviews</i> , 2019, 119, 3962-4179.	23.0	1,591
15	Hierarchical photocatalysts. <i>Chemical Society Reviews</i> , 2016, 45, 2603-2636.	18.7	1,517
16	Enhanced photocatalytic performance of direct Z-scheme g-C ₃ N ₄ /TiO ₂ photocatalysts for the decomposition of formaldehyde in air. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16883.	1.3	1,167
17	2D/2D Heterojunction of Ultrathin MXene/Bi ₂ WO ₆ Nanosheets for Improved Photocatalytic CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2018, 28, 1800136.	7.8	1,157
18	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018, 21, 1042-1063.	8.3	1,134

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19	The Effect of Calcination Temperature on the Surface Microstructure and Photocatalytic Activity of TiO ₂ Thin Films Prepared by Liquid Phase Deposition. Journal of Physical Chemistry B, 2003, 107, 13871-13879.	1.2	1,113
20	g-C ₃ N ₄ -Based Photocatalysts for Hydrogen Generation. Journal of Physical Chemistry Letters, 2014, 5, 2101-2107.	2.1	1,107
21	Hydrogen Production by Photocatalytic Water Splitting over Pt/TiO ₂ Nanosheets with Exposed (001) Facets. Journal of Physical Chemistry C, 2010, 114, 13118-13125.	1.5	1,071
22	Hierarchical Porous Doped g-C ₃ N ₄ with Enhanced Photocatalytic CO ₂ Reduction Activity. Small, 2017, 13, 1603938.	5.2	1,025
23	New understanding of the difference of photocatalytic activity among anatase, rutile and brookite TiO ₂ . Physical Chemistry Chemical Physics, 2014, 16, 20382-20386.	1.3	990
24	Surface modification and enhanced photocatalytic CO ₂ reduction performance of TiO ₂ : a review. Applied Surface Science, 2017, 392, 658-686.	3.1	989
25	Tunable Photocatalytic Selectivity of Hollow TiO ₂ Microspheres Composed of Anatase Polyhedra with Exposed {001} Facets. Journal of the American Chemical Society, 2010, 132, 11914-11916.	6.6	979
26	A Review of Direct Z-scheme Photocatalysts. Small Methods, 2017, 1, 1700080.	4.6	955
27	Sulfur-doped g-C ₃ N ₄ with enhanced photocatalytic CO ₂ -reduction performance. Applied Catalysis B: Environmental, 2015, 176-177, 44-52.	10.8	919
28	Review on the improvement of the photocatalytic and antibacterial activities of ZnO. Journal of Alloys and Compounds, 2017, 727, 792-820.	2.8	884
29	Visible Light Photocatalytic H ₂ -Production Activity of CuS/ZnS Porous Nanosheets Based on Photoinduced Interfacial Charge Transfer. Nano Letters, 2011, 11, 4774-4779.	4.5	846
30	Noble Metal-Free Reduced Graphene Oxide-ZnCd _{1-x} S Nanocomposite with Enhanced Solar Photocatalytic H ₂ -Production Performance. Nano Letters, 2012, 12, 4584-4589.	4.5	845
31	Graphene in Photocatalysis: A Review. Small, 2016, 12, 6640-6696.	5.2	836
32	Designing a 0D/2D S-scheme Heterojunction over Polymeric Carbon Nitride for Visible-Light Photocatalytic Inactivation of Bacteria. Angewandte Chemie - International Edition, 2020, 59, 5218-5225.	7.2	822
33	An overview on the removal of synthetic dyes from water by electrochemical advanced oxidation processes. Chemosphere, 2018, 197, 210-227.	4.2	814
34	Dual Cocatalysts in TiO ₂ Photocatalysis. Advanced Materials, 2019, 31, e1807660.	11.1	796
35	Unique S-scheme heterojunctions in self-assembled TiO ₂ /CsPbBr ₃ hybrids for CO ₂ photoreduction. Nature Communications, 2020, 11, 4613.	5.8	776
36	Fabrication and Characterization of Visible-Light-Driven Plasmonic Photocatalyst Ag/AgCl/TiO ₂ Nanotube Arrays. Journal of Physical Chemistry C, 2009, 113, 16394-16401.	1.5	770

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37	Efficient Visible-Light-Induced Photocatalytic Disinfection on Sulfur-Doped Nanocrystalline Titania. <i>Environmental Science & Technology</i> , 2005, 39, 1175-1179.	4.6	754
38	Hydrothermal Synthesis and Photocatalytic Activity of Zinc Oxide Hollow Spheres. <i>Environmental Science & Technology</i> , 2008, 42, 4902-4907.	4.6	754
39	Isoelectric point and adsorption activity of porous g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2015, 344, 188-195.	3.1	753
40	Efficient Visible-Light Photocatalytic Hydrogen Evolution and Enhanced Photostability of Core/Shell CdS/g-C ₃ N ₄ Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10317-10324.	4.0	747
41	Enhanced photocatalytic H ₂ -production activity of graphene-modified titania nanosheets. <i>Nanoscale</i> , 2011, 3, 3670.	2.8	742
42	A direct Z-scheme g-C ₃ N ₄ /SnS ₂ photocatalyst with superior visible-light CO ₂ reduction performance. <i>Journal of Catalysis</i> , 2017, 352, 532-541.	3.1	721
43	Product selectivity of photocatalytic CO ₂ reduction reactions. <i>Materials Today</i> , 2020, 32, 222-243.	8.3	719
44	Emerging S-scheme Photocatalyst. <i>Advanced Materials</i> , 2022, 34, e2107668.	11.1	717
45	In Situ Irradiated X-ray Photoelectron Spectroscopy Investigation on a Direct Z-scheme TiO ₂ /CdS Composite Film Photocatalyst. <i>Advanced Materials</i> , 2019, 31, e1802981.	11.1	714
46	Metal-free 2D/2D Phosphorene/g-C ₃ N ₄ Van der Waals Heterojunction for Highly Enhanced Visible-Light Photocatalytic H ₂ Production. <i>Advanced Materials</i> , 2018, 30, e1800128.	11.1	707
47	Preparation, characterization and visible-light-driven photocatalytic activity of Fe-doped titania nanorods and first-principles study for electronic structures. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 595-602.	10.8	700
48	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015, 5, 1500010.	10.2	694
49	Graphene-Based Photocatalysts for Solar-Fuel Generation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11350-11366.	7.2	692
50	A Hierarchical Z-Scheme CdS-WO ₃ Photocatalyst with Enhanced CO ₂ Reduction Activity. <i>Small</i> , 2015, 11, 5262-5271.	5.2	682
51	Anatase TiO ₂ with Dominant High-Energy {001} Facets: Synthesis, Properties, and Applications. <i>Chemistry of Materials</i> , 2011, 23, 4085-4093.	3.2	669
52	Fabrication and characterization of Ag-TiO ₂ multiphase nanocomposite thin films with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 211-221.	10.8	660
53	Direct Z-scheme ZnO/CdS hierarchical photocatalyst for enhanced photocatalytic H ₂ -production activity. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 19-26.	10.8	653
54	TiO ₂ /MXene Ti ₃ C ₂ composite with excellent photocatalytic CO ₂ reduction activity. <i>Journal of Catalysis</i> , 2018, 361, 255-266.	3.1	647

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55	Template-Free Fabrication and Enhanced Photocatalytic Activity of Hierarchical Macro-/Mesoporous Titania. <i>Advanced Functional Materials</i> , 2007, 17, 1984-1990.	7.8	635
56	Ultra-thin nanosheet assemblies of graphitic carbon nitride for enhanced photocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3230-3238.	5.2	621
57	2D/2D/0D TiO ₂ /C ₃ N ₄ /Ti ₃ C ₂ MXene composite S-scheme photocatalyst with enhanced CO ₂ reduction activity. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119006.	10.8	604
58	Fabrication and photocatalytic activity enhanced mechanism of direct Z-scheme g-C ₃ N ₄ /Ag ₂ WO ₄ photocatalyst. <i>Applied Surface Science</i> , 2017, 391, 175-183.	3.1	601
59	Use of surfactants for the remediation of contaminated soils: A review. <i>Journal of Hazardous Materials</i> , 2015, 285, 419-435.	6.5	597
60	Quantitative characterization of hydroxyl radicals produced by various photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2011, 357, 163-167.	5.0	592
61	Enhancement of Photocatalytic Activity of Mesoporous TiO ₂ Powders by Hydrothermal Surface Fluorination Treatment. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6743-6750.	1.5	577
62	Size- and shape-dependent catalytic performances of oxidation and reduction reactions on nanocatalysts. <i>Chemical Society Reviews</i> , 2016, 45, 4747-4765.	18.7	568
63	Zn ²⁺ /Cd ²⁺ S Solid Solutions with Controlled Bandgap and Enhanced Visible-Light Photocatalytic H ₂ -Production Activity. <i>ACS Catalysis</i> , 2013, 3, 882-889.	5.5	565
64	Facile preparation and enhanced photocatalytic H ₂ -production activity of Cu(OH) ₂ cluster modified TiO ₂ . <i>Energy and Environmental Science</i> , 2011, 4, 1364.	15.6	554
65	Two-dimensional layered composite photocatalysts. <i>Chemical Communications</i> , 2014, 50, 10768.	2.2	551
66	An Inorganic/Organic S-scheme Heterojunction H ₂ -Production Photocatalyst and its Charge Transfer Mechanism. <i>Advanced Materials</i> , 2021, 33, e2100317.	11.1	528
67	Effect of surface structure on photocatalytic activity of TiO ₂ thin films prepared by sol-gel method. <i>Thin Solid Films</i> , 2000, 379, 7-14.	0.8	519
68	Preparation and Photocatalytic Behavior of MoS ₂ and WS ₂ Nanocluster Sensitized TiO ₂ . <i>Langmuir</i> , 2004, 20, 5865-5869.	1.6	519
69	2D/2D g-C ₃ N ₄ /MnO ₂ Nanocomposite as a Direct Z-Scheme Photocatalyst for Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 965-973.	3.2	519
70	Effects of acidic and basic hydrolysis catalysts on the photocatalytic activity and microstructures of bimodal mesoporous titania. <i>Journal of Catalysis</i> , 2003, 217, 69-69.	3.1	518
71	In Situ Grown Monolayer N-Doped Graphene on CdS Hollow Spheres with Seamless Contact for Photocatalytic CO ₂ Reduction. <i>Advanced Materials</i> , 2019, 31, e1902868.	11.1	515
72	A review on TiO ₂ -based Z-scheme photocatalysts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1936-1955.	6.9	511

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73	Pivotal role of fluorine in enhanced photocatalytic activity of anatase TiO ₂ nanosheets with dominant (001) facets for the photocatalytic degradation of acetone in air. Applied Catalysis B: Environmental, 2010, 96, 557-564.	10.8	509
74	Synthesis and Enhanced Visible-Light Photoelectrocatalytic Activity of p-n Junction BiOI/TiO ₂ Nanotube Arrays. Journal of Physical Chemistry C, 2011, 115, 7339-7346.	1.5	503
75	Graphene-Based Photocatalysts for Hydrogen Generation. Journal of Physical Chemistry Letters, 2013, 4, 753-759.	2.1	501
76	A noble metal-free reduced graphene oxide@CdS nanorod composite for the enhanced visible-light photocatalytic reduction of CO ₂ to solar fuel. Journal of Materials Chemistry A, 2014, 2, 3407.	5.2	499
77	Sulfur-doped g-C ₃ N ₄ /TiO ₂ S-scheme heterojunction photocatalyst for Congo Red photodegradation. Chinese Journal of Catalysis, 2021, 42, 56-68.	6.9	493
78	Enhanced photocatalytic activity and stability of Z-scheme Ag ₂ CrO ₄ -GO composite photocatalysts for organic pollutant degradation. Applied Catalysis B: Environmental, 2015, 164, 380-388.	10.8	483
79	Recent advances in visible light Bi-based photocatalysts. Chinese Journal of Catalysis, 2014, 35, 989-1007.	6.9	481
80	Enhanced photocatalytic activity of mesoporous TiO ₂ aggregates by embedding carbon nanotubes as electron-transfer channel. Physical Chemistry Chemical Physics, 2011, 13, 3491-3501.	1.3	476
81	Ag ₂ CrO ₄ /g-C ₃ N ₄ /graphene oxide ternary nanocomposite Z-scheme photocatalyst with enhanced CO ₂ reduction activity. Applied Catalysis B: Environmental, 2018, 231, 368-380.	10.8	469
82	Photocatalytic reduction of CO ₂ into hydrocarbon solar fuels over g-C ₃ N ₄ @Pt nanocomposite photocatalysts. Physical Chemistry Chemical Physics, 2014, 16, 11492.	1.3	465
83	Surface plasmon resonance-mediated photocatalysis by noble metal-based composites under visible light. Journal of Materials Chemistry, 2012, 22, 21337.	6.7	462
84	A new understanding of the photocatalytic mechanism of the direct Z-scheme g-C ₃ N ₄ /TiO ₂ heterostructure. Physical Chemistry Chemical Physics, 2016, 18, 31175-31183.	1.3	459
85	Enhanced photocatalytic H ₂ -production activity of WO ₃ /TiO ₂ step-scheme heterojunction by graphene modification. Chinese Journal of Catalysis, 2020, 41, 9-20.	6.9	458
86	Enhanced photocatalytic activity of mesoporous and ordinary TiO ₂ thin films by sulfuric acid treatment. Applied Catalysis B: Environmental, 2002, 36, 31-43.	10.8	450
87	Template-free Hydrothermal Synthesis of CuO/Cu ₂ O Composite Hollow Microspheres. Chemistry of Materials, 2007, 19, 4327-4334.	3.2	450
88	In situ Irradiated XPS Investigation on S-scheme TiO ₂ @ZnIn ₂ S ₄ Photocatalyst for Efficient Photocatalytic CO ₂ Reduction. Small, 2021, 17, e2103447.	5.2	449
89	Design and fabrication of semiconductor photocatalyst for photocatalytic reduction of CO ₂ to solar fuel. Science China Materials, 2014, 57, 70-100.	3.5	446
90	Hydrothermal Preparation and Photocatalytic Activity of Hierarchically Sponge-like Macro-/Mesoporous Titania. Journal of Physical Chemistry C, 2007, 111, 10582-10589.	1.5	443

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91	Review on Metal Sulphide-based Z-scheme Photocatalysts. ChemCatChem, 2019, 11, 1394-1411.	1.8	439
92	Enhancement of photocatalytic activity of mesoporous TiO ₂ by using carbon nanotubes. Applied Catalysis A: General, 2005, 289, 186-196.	2.2	434
93	Anatase TiO ₂ nanosheets with exposed {001} facets: improved photoelectric conversion efficiency in dye-sensitized solar cells. Nanoscale, 2010, 2, 2144.	2.8	423
94	Ag ₂ O as a New Visible-Light Photocatalyst: Self-Stability and High Photocatalytic Activity. Chemistry - A European Journal, 2011, 17, 7777-7780.	1.7	423
95	First principle investigation of halogen-doped monolayer g-C ₃ N ₄ photocatalyst. Applied Catalysis B: Environmental, 2017, 207, 27-34.	10.8	422
96	Review on nanoscale Bi-based photocatalysts. Nanoscale Horizons, 2018, 3, 464-504.	4.1	421
97	Superb adsorption capacity of hierarchical calcined Ni/Mg/Al layered double hydroxides for Congo red and Cr(VI) ions. Journal of Hazardous Materials, 2017, 321, 801-811.	6.5	417
98	Noble metal-free Ni(OH) ₂ /g-C ₃ N ₄ composite photocatalyst with enhanced visible-light photocatalytic H ₂ -production activity. Catalysis Science and Technology, 2013, 3, 1782.	2.1	411
99	Fabrication of Hollow Inorganic Microspheres by Chemically Induced Self-Transformation. Advanced Functional Materials, 2006, 16, 2035-2041.	7.8	407
100	CuInS ₂ sensitized TiO ₂ hybrid nanofibers for improved photocatalytic CO ₂ reduction. Applied Catalysis B: Environmental, 2018, 230, 194-202.	10.8	407
101	Constructing 2D/2D Fe ₂ O ₃ /g-C ₃ N ₄ Direct Z-scheme Photocatalysts with Enhanced H ₂ Generation Performance. Solar Rrl, 2018, 2, 1800006.	3.1	403
102	Effects of Fe-doping on the photocatalytic activity of mesoporous TiO ₂ powders prepared by an ultrasonic method. Journal of Hazardous Materials, 2006, 137, 1838-1847.	6.5	401
103	One-step synthesis of easy-recycling TiO ₂ -rGO nanocomposite photocatalysts with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2013, 132-133, 452-459.	10.8	396
104	Novel urea assisted hydrothermal synthesis of hierarchical BiVO ₄ /Bi ₂ O ₂ CO ₃ nanocomposites with enhanced visible-light photocatalytic activity. Applied Catalysis B: Environmental, 2011, 110, 286-295.	10.8	392
105	Enhanced Photocatalytic H ₂ -Production Activity of TiO ₂ by Ni(OH) ₂ Cluster Modification. Journal of Physical Chemistry C, 2011, 115, 4953-4958.	1.5	392
106	Fabrication and enhanced visible-light photocatalytic activity of carbon self-doped TiO ₂ sheets with exposed {001} facets. Journal of Materials Chemistry, 2011, 21, 1049-1057.	6.7	390
107	Effect of calcination temperature on morphology and photoelectrochemical properties of anodized titanium dioxide nanotube arrays. Applied Catalysis B: Environmental, 2010, 94, 295-302.	10.8	388
108	First-principle calculation study of tri-s-triazine-based g-C ₃ N ₄ : A review. Applied Catalysis B: Environmental, 2018, 224, 983-999.	10.8	382

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109	Semiconductor-based photocatalytic CO ₂ conversion. <i>Materials Horizons</i> , 2015, 2, 261-278.	6.4	380
110	Enhanced photocatalytic H ₂ -production activity of anatase TiO ₂ nanosheet by selectively depositing dual-cocatalysts on {101} and {001} facets. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 286-294.	10.8	375
111	Graphene-Based Photocatalysts for CO ₂ Reduction to Solar Fuel. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4244-4251.	2.1	368
112	Direct Observation of Structural Evolution of Metal Chalcogenide in Electrocatalytic Water Oxidation. <i>ACS Nano</i> , 2018, 12, 12369-12379.	7.3	366
113	Self-assembled hierarchical direct Z-scheme g-C ₃ N ₄ /ZnO microspheres with enhanced photocatalytic CO ₂ reduction performance. <i>Applied Surface Science</i> , 2018, 441, 12-22.	3.1	364
114	Ni(OH) ₂ modified CdS nanorods for highly efficient visible-light-driven photocatalytic H ₂ generation. <i>Green Chemistry</i> , 2011, 13, 2708.	4.6	363
115	The effect of manganese vacancy in birnessite-type MnO ₂ on room-temperature oxidation of formaldehyde in air. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 147-155.	10.8	362
116	Microstructures and photoactivity of mesoporous anatase hollow microspheres fabricated by fluoride-mediated self-transformation. <i>Journal of Catalysis</i> , 2007, 249, 59-66.	3.1	359
117	Morphology-dependent photocatalytic H ₂ -production activity of CdS. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 184-191.	10.8	359
118	Enhanced photocatalytic activity of hierarchical macro/mesoporous TiO ₂ @graphene composites for photodegradation of acetone in air. <i>Applied Catalysis B: Environmental</i> , 2012, 119-120, 109-116.	10.8	356
119	Making co-condensed amorphous carbon/g-C ₃ N ₄ composites with improved visible-light photocatalytic H ₂ -production performance using Pt as cocatalyst. <i>Carbon</i> , 2017, 118, 241-249.	5.4	356
120	Enhanced Performance of NaOH-Modified Pt/TiO ₂ toward Room Temperature Selective Oxidation of Formaldehyde. <i>Environmental Science & Technology</i> , 2013, 47, 2777-2783.	4.6	355
121	A critical review of the application of chelating agents to enable Fenton and Fenton-like reactions at high pH values. <i>Journal of Hazardous Materials</i> , 2019, 362, 436-450.	6.5	353
122	Effects of calcination temperature on the microstructures and photocatalytic activity of titanate nanotubes. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 135-142.	4.8	352
123	Synthesis of hierarchical Ni(OH) ₂ and NiO nanosheets and their adsorption kinetics and isotherms to Congo red in water. <i>Journal of Hazardous Materials</i> , 2011, 185, 889-897.	6.5	343
124	Hollow CoS Polyhedrons Act as High-Efficiency Cocatalyst for Enhancing the Photocatalytic Hydrogen Generation of g-C ₃ N ₄ . <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2767-2779.	3.2	343
125	Nitrogen self-doped nanosized TiO ₂ sheets with exposed {001} facets for enhanced visible-light photocatalytic activity. <i>Chemical Communications</i> , 2011, 47, 6906.	2.2	342
126	Facet effect of Pd cocatalyst on photocatalytic CO ₂ reduction over g-C ₃ N ₄ . <i>Journal of Catalysis</i> , 2017, 349, 208-217.	3.1	332

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127	Photocatalytic activity of nanometer TiO ₂ thin films prepared by the sol-gel method. <i>Materials Chemistry and Physics</i> , 2001, 69, 25-29.	2.0	329
128	3D hierarchical graphene oxide-NiFe LDH composite with enhanced adsorption affinity to Congo red, methyl orange and Cr(VI) ions. <i>Journal of Hazardous Materials</i> , 2019, 369, 214-225.	6.5	329
129	Challenges for photocatalytic overall water splitting. <i>CheM</i> , 2022, 8, 1567-1574.	5.8	329
130	Improved visible-light photocatalytic activity of porous carbon self-doped ZnO nanosheet-assembled flowers. <i>CrystEngComm</i> , 2011, 13, 2533.	1.3	328
131	Enhanced visible light photocatalytic H ₂ -production of g-C ₃ N ₄ /WS ₂ composite heterostructures. <i>Applied Surface Science</i> , 2015, 358, 196-203.	3.1	327
132	TiO ₂ nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016, 9, 3-27.	5.8	327
133	Direct Sonochemical Preparation and Characterization of Highly Active Mesoporous TiO ₂ with a Bicrystalline Framework. <i>Chemistry of Materials</i> , 2002, 14, 4647-4653.	3.2	325
134	Tailoring the energy band gap and edges potentials of g-C ₃ N ₄ /TiO ₂ composite photocatalysts for NO _x removal. <i>Chemical Engineering Journal</i> , 2017, 310, 571-580.	6.6	325
135	Highly efficient electrosynthesis of hydrogen peroxide on a superhydrophobic three-phase interface by natural air diffusion. <i>Nature Communications</i> , 2020, 11, 1731.	5.8	325
136	Design, Fabrication, and Mechanism of Nitrogen-Doped Graphene-Based Photocatalyst. <i>Advanced Materials</i> , 2021, 33, e2003521.	11.1	324
137	Fabrication of NiS modified CdS nanorod p-n junction photocatalysts with enhanced visible-light photocatalytic H ₂ -production activity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12088.	1.3	323
138	Preparation of highly photocatalytic active nano-sized TiO ₂ particles via ultrasonic irradiation. <i>Chemical Communications</i> , 2001, , 1942-1943.	2.2	321
139	Preparation and enhanced visible-light photocatalytic H ₂ -production activity of CdS quantum dots-sensitized Zn _{1-x} Cd _x solid solution. <i>Green Chemistry</i> , 2010, 12, 1611.	4.6	321
140	Microwave-assisted hydrothermal synthesis of graphene based Au-TiO ₂ photocatalysts for efficient visible-light hydrogen production. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3847-3855.	5.2	314
141	Pt Single Atoms Supported on N-Doped Mesoporous Hollow Carbon Spheres with Enhanced Electrocatalytic H ₂ -Evolution Activity. <i>Advanced Materials</i> , 2021, 33, e2008599.	11.1	314
142	Core-Shell Nitrogen-Doped Carbon Hollow Spheres/Co ₃ O ₄ Nanosheets as Advanced Electrode for High-Performance Supercapacitor. <i>Small</i> , 2018, 14, e1702407.	5.2	309
143	Metal-Organic Framework-Derived Nickel-Cobalt Sulfide on Ultrathin Mxene Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22311-22319.	4.0	306
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