Jinhua Ye

List of Publications by Year in descending order

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670	66,317	433	1131
papers	citations	131 h-index	230 g-index

709	709	709	38845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoâ€photocatalytic Materials: Possibilities and Challenges. Advanced Materials, 2012, 24, 229-251.	11.1	3,375
2	Direct splitting of water under visible light irradiation with an oxide semiconductor photocatalyst. Nature, 2001, 414, 625-627.	13.7	2,995
3	An orthophosphate semiconductor with photooxidation properties under visible-lightÂirradiation. Nature Materials, 2010, 9, 559-564.	13.3	1,807
4	Facet Effect of Single-Crystalline Ag₃PO₄ Sub-microcrystals on Photocatalytic Properties. Journal of the American Chemical Society, 2011, 133, 6490-6492.	6.6	1,255
5	Phosphorus-Doped Carbon Nitride Solid: Enhanced Electrical Conductivity and Photocurrent Generation. Journal of the American Chemical Society, 2010, 132, 6294-6295.	6.6	1,176
6	MoS₂/Graphene Cocatalyst for Efficient Photocatalytic H₂ Evolution under Visible Light Irradiation. ACS Nano, 2014, 8, 7078-7087.	7.3	885
7	Efficient Photocatalytic Decomposition of Organic Contaminants over CaBi2O4 under Visible-Light Irradiation. Angewandte Chemie - International Edition, 2004, 43, 4463-4466.	7.2	721
8	Stateâ€ofâ€theâ€Art Progress in Diverse Heterostructured Photocatalysts toward Promoting Photocatalytic Performance. Advanced Functional Materials, 2015, 25, 998-1013.	7.8	706
9	Singleâ€Atom Catalysts: Emerging Multifunctional Materials in Heterogeneous Catalysis. Advanced Energy Materials, 2018, 8, 1701343.	10.2	705
10	Efficient Visibleâ€Lightâ€Driven Carbon Dioxide Reduction by a Singleâ€Atom Implanted Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2016, 55, 14310-14314.	7.2	612
11	In Situ Bond Modulation of Graphitic Carbon Nitride to Construct pâ€“n Homojunctions for Enhanced Photocatalytic Hydrogen Production. Advanced Functional Materials, 2016, 26, 6822-6829.	7.8	583
12	Hierarchical WO₃ Hollow Shells: Dendrite, Sphere, Dumbbell, and Their Photocatalytic Properties. Advanced Functional Materials, 2008, 18, 1922-1928.	7.8	548
13	Targeted Synthesis of 2Hâ€and 1Tâ€Phase MoS₂ Monolayers for Catalytic Hydrogen Evolution. Advanced Materials, 2016, 28, 10033-10041.	11.1	534
14	Lightâ€Switchable Oxygen Vacancies in Ultrafine Bi₅O₇Br Nanotubes for Boosting Solarâ€Driven Nitrogen Fixation in Pure Water. Advanced Materials, 2017, 29, 1701774.	11.1	533
15	Facile synthesis of rhombic dodecahedral AgX/Ag3PO4 (X = Cl, Br, I) heterocrystals with enhanced photocatalytic properties and stabilities. Physical Chemistry Chemical Physics, 2011, 13, 10071.	1.3	519
16	Reduced TiO2 nanotube arrays for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2013, 1, 5766.	5.2	507
17	Photocatalytic Decomposition of Organic Contaminants by Bi2WO6Under Visible Light Irradiation. Catalysis Letters, 2004, 92, 53-56.	1.4	494
18	Ultrathin W₁₈O₄₉ Nanowires with Diameters below 1â€…nm: Synthesis, Nearâ€Infrared Absorption, Photoluminescence, and Photochemical Reduction of Carbon Dioxide. Angewandte Chemie - International Edition, 2012, 51, 2395-2399.	7.2	492

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19	Synthesis of bismuth vanadate nanoplates with exposed {001} facets and enhanced visible-light photocatalytic properties. Chemical Communications, 2010, 46, 1893-1895.	2.2	489
20	Nanometals for Solarâ€toâ€Chemical Energy Conversion: From Semiconductorâ€Based Photocatalysis to Plasmonâ€Mediated Photocatalysis and Photoâ€Thermocatalysis. Advanced Materials, 2016, 28, 6781-6803.	11.1	471
21	Electrostatic Selfâ€Assembly of Nanosized Carbon Nitride Nanosheet onto a Zirconium Metalâ€“Organic Framework for Enhanced Photocatalytic CO₂ Reduction. Advanced Functional Materials, 2015, 25, 5360-5367.	7.8	443
22	Active Sites Implanted Carbon Cages in Coreâ€“Shell Architecture: Highly Active and Durable Electrocatalyst for Hydrogen Evolution Reaction. ACS Nano, 2016, 10, 684-694.	7.3	426
23	Recent advances in TiO₂-based photocatalysis. Journal of Materials Chemistry A, 2014, 2, 12642.	5.2	418
24	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. Energy and Environmental Science, 2011, 4, 4517.	15.6	408
25	Efficient visible driven photocatalyst, silver phosphate: performance, understanding and perspective. Chemical Society Reviews, 2015, 44, 7808-7828.	18.7	406
26	Photothermal Conversion of CO₂ into CH₄ with H₂ over Groupâ€…VIII Nanocatalysts: An Alternative Approach for Solar Fuel Production. Angewandte Chemie - International Edition, 2014, 53, 11478-11482.	7.2	385
27	An Amineâ€Functionalized Iron(III) Metalâ€“Organic Framework as Efficient Visibleâ€Light Photocatalyst for Cr(VI) Reduction. Advanced Science, 2015, 2, 1500006.	5.6	364
28	Constructing Solidâ€“Gas-Interfacial Fenton Reaction over Alkalinized-C₃N₄ Photocatalyst To Achieve Apparent Quantum Yield of 49% at 420 nm. Journal of the American Chemical Society, 2016, 138, 13289-13297.	6.6	364
29	Photoassisted Construction of Holey Defective gâ€C₃N₄ Photocatalysts for Efficient Visibleâ€Lightâ€Driven H₂O₂ Production. Small, 2018, 14, 1703142.	5.2	353
30	Promoting Active Species Generation by Plasmon-Induced Hot-Electron Excitation for Efficient Electrocatalytic Oxygen Evolution. Journal of the American Chemical Society, 2016, 138, 9128-9136.	6.6	341
31	Surface-Alkalinization-Induced Enhancement of Photocatalytic H₂ Evolution over SrTiO₃-Based Photocatalysts. Journal of the American Chemical Society, 2012, 134, 1974-1977.	6.6	330
32	Photophysical and Photocatalytic Properties of SrTiO3Doped with Cr Cations on Different Sites. Journal of Physical Chemistry B, 2006, 110, 15824-15830.	1.2	325
33	In Situ Growth of Metal Particles on 3D Urchin-like WO₃ Nanostructures. Journal of the American Chemical Society, 2012, 134, 6508-6511.	6.6	325
34	Coupling of Solar Energy and Thermal Energy for Carbon Dioxide Reduction: Status and Prospects. Angewandte Chemie - International Edition, 2020, 59, 8016-8035.	7.2	323
35	Photophysical and Photocatalytic Properties of AgInW2O8. Journal of Physical Chemistry B, 2003, 107, 14265-14269.	1.2	310
36	Metalâ€“organic frameworks for photocatalysis. Physical Chemistry Chemical Physics, 2016, 18, 7563-7572.	1.3	304

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37	Surfaceâ€Plasmonâ€Enhanced Photodriven CO₂ Reduction Catalyzed by Metalâ€“Organicâ€Frameworkâ€Derived Iron Nanoparticles Encapsulated by Ultrathin Carbon Layers. Advanced Materials, 2016, 28, 3703-3710.	11.1	300
38	A surface modification resultant thermally oxidized porous g-C3N4 with enhanced photocatalytic hydrogen production. Applied Catalysis B: Environmental, 2017, 204, 335-345.	10.8	295
39	Hydrogen production using zinc-doped carbon nitride catalyst irradiated with visible light. Science and Technology of Advanced Materials, 2011, 12, 034401.	2.8	292
40	Efficient Photocatalytic Decomposition of Acetaldehyde over a Solid-Solution Perovskite (Ag_{0.75}Sr_{0.25})(Nb_{0.75}Ti_{0.25})O₃ under Visible-Light Irradiation. Journal of the American Chemical Society, 2008, 130, 2724-2725.	6.6	291
41	Natureâ€Inspired Environmental â€œPhosphorylationâ€•Boosts Photocatalytic H₂ Production over Carbon Nitride Nanosheets under Visibleâ€Light Irradiation. Angewandte Chemie - International Edition, 2015, 54, 13561-13565.	7.2	287
42	Transition Metal Disulfides as Nobleâ€Metalâ€Alternative Coâ€Catalysts for Solar Hydrogen Production. Advanced Energy Materials, 2016, 6, 1502555.	10.2	279
43	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. Journal of Materials Chemistry, 2012, 22, 6575.	6.7	274
44	Î²-AgAl_{1-x}Ga_xO₂ Solid-Solution Photocatalysts: Continuous Modulation of Electronic Structure toward High-Performance Visible-Light Photoactivity. Journal of the American Chemical Society, 2011, 133, 7757-7763.	6.6	272
45	Photocatalytic and photoelectric properties of cubic Ag3PO4 sub-microcrystals with sharp corners and edges. Chemical Communications, 2012, 48, 3748.	2.2	268
46	Effects of Substituting Sr2+ and Ba2+ for Ca2+on the Structural Properties and Photocatalytic Behaviors of CaIn2O4. Chemistry of Materials, 2004, 16, 1644-1649.	3.2	267
47	Enhanced Incident Photon-to-Electron Conversion Efficiency of Tungsten Trioxide Photoanodes Based on 3D-Photonic Crystal Design. ACS Nano, 2011, 5, 4310-4318.	7.3	267
48	Integrating the g-C₃N₄ Nanosheet with Bâ€“H Bonding Decorated Metalâ€“Organic Framework for CO₂ Activation and Photoreduction. ACS Nano, 2018, 12, 5333-5340.	7.3	263
49	Direct and Selective Photocatalytic Oxidation of CH₄ to Oxygenates with O₂ on Cocatalysts/ZnO at Room Temperature in Water. Journal of the American Chemical Society, 2019, 141, 20507-20515.	6.6	253
50	SuperconductingPrBa2Cu3Ox. Physical Review Letters, 1998, 80, 1074-1077.	2.9	252
51	Solar-Energy-Mediated Methane Conversion. Joule, 2019, 3, 1606-1636.	11.7	252
52	Anatase TiO₂ Single Crystals Exposed with High-Reactive {111} Facets Toward Efficient H₂ Evolution. Chemistry of Materials, 2013, 25, 405-411.	3.2	248
53	In situ surface alkalinized g-C₃N₄ toward enhancement of photocatalytic H₂ evolution under visible-light irradiation. Journal of Materials Chemistry A, 2016, 4, 2943-2950.	5.2	247
54	Solar-Driven Hydrogen Production: Recent Advances, Challenges, and Future Perspectives. ACS Energy Letters, 2022, 7, 1043-1065.	8.8	247

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55	Self-doped SrTiO3â˜Î´ photocatalyst with enhanced activity for artificial photosynthesis under visible light. Energy and Environmental Science, 2011, 4, 4211.	15.6	244
56	Goldâ€Nanorodâ€Photosensitized Titanium Dioxide with Wideâ€Range Visibleâ€Light Harvesting Based on Localized Surface Plasmon Resonance. Angewandte Chemie - International Edition, 2013, 52, 6689-6693.	7.2	244
57	The Effects of Crystal Structure and Electronic Structure on Photocatalytic H₂ Evolution and CO₂ Reduction over Two Phases of Perovskite-Structured NaNbO₃. Journal of Physical Chemistry C, 2012, 116, 7621-7628.	1.5	243
58	Fe₃O₄/WO₃ Hierarchical Coreâ€“Shell Structure: Highâ€Performance and Recyclable Visibleâ€Light Photocatalysis. Chemistry - A European Journal, 2011, 17, 5145-5154.	1.7	240
59	Drastic Layerâ€Numberâ€Dependent Activity Enhancement in Photocatalytic H₂ Evolution over nMoS₂/CdS (n â‰¥ 1) Under Visible Light. Advanced Energy Materials, 2015, 5, 1402279.	10.2	239
60	Boosting the Photocatalytic Activity of P25 for Carbon Dioxide Reduction by using a Surfaceâ€Alkalinized Titanium Carbide MXene as Cocatalyst. ChemSusChem, 2018, 11, 1606-1611.	3.6	239
61	Drastic Enhancement of Photocatalytic Activities over Phosphoric Acid Protonated Porous gâ€C₃N₄ Nanosheets under Visible Light. Small, 2016, 12, 4431-4439.	5.2	237
62	Electronic structures of promising photocatalysts InMO4 (M=V, Nb, Ta) and BiVO4 for water decomposition in the visible wavelength region. Journal of Chemical Physics, 2002, 117, 7313-7318.	1.2	231
63	Facet engineered Ag3PO4 for efficient water photooxidation. Energy and Environmental Science, 2013, 6, 3380.	15.6	231
64	Hematite Films Decorated with Nanostructured Ferric Oxyhydroxide as Photoanodes for Efficient and Stable Photoelectrochemical Water Splitting. Advanced Functional Materials, 2015, 25, 2686-2692.	7.8	223
65	Photocatalytic Reduction of Carbon Dioxide by Hydrous Hydrazine over Auâ€“Cu Alloy Nanoparticles Supported on SrTiO₃/TiO₂ Coaxial Nanotube Arrays. Angewandte Chemie - International Edition, 2015, 54, 841-845.	7.2	223
66	Engineering coordination polymers for photocatalysis. Nano Energy, 2016, 22, 149-168.	8.2	223
67	Oxygen vacancies induced special CO2 adsorption modes on Bi2MoO6 for highly selective conversion to CH4. Applied Catalysis B: Environmental, 2019, 259, 118088.	10.8	221
68	A novel hydrogen-evolving photocatalyst InVO4 active under visible light irradiation. Chemical Physics Letters, 2002, 356, 221-226.	1.2	220
69	Nitrogen Fixation Reaction Derived from Nanostructured Catalytic Materials. Advanced Functional Materials, 2018, 28, 1803309.	7.8	212
70	Photoinduced Defect Engineering: Enhanced Photothermal Catalytic Performance of 2D Black In₂O_{3â˜'}_x Nanosheets with Bifunctional Oxygen Vacancies. Advanced Materials, 2020, 32, e1903915.	11.1	208
71	Anisotropy of superconductivity from MgB2 single crystals. Applied Physics Letters, 2001, 79, 2779-2781.	1.5	207
72	In situ oxidation synthesis of Ag/AgCl coreâ€“shell nanowires and their photocatalytic properties. Chemical Communications, 2009, , 6551.	2.2	206

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73	High-Active Anatase TiO₂ Nanosheets Exposed with 95% {100} Facets Toward Efficient H₂ Evolution and CO₂ Photoreduction. ACS Applied Materials & Interfaces, 2013, 5, 1348-1354.	4.0	203
74	Structural properties of InNbO4 and InTaO4: correlation with photocatalytic and photophysical properties. Chemical Physics Letters, 2000, 332, 271-277.	1.2	201
75	Co-porphyrin/carbon nitride hybrids for improved photocatalytic CO2 reduction under visible light. Applied Catalysis B: Environmental, 2017, 200, 141-149.	10.8	198
76	Correlating long-lived photogenerated hole populations with photocurrent densities in hematite water oxidation photoanodes. Energy and Environmental Science, 2012, 5, 6304-6312.	15.6	196
77	Structural, photocatalytic, and photophysical properties of perovskite MSnO3 (M = Ca, Sr, and Ba) photocatalysts. Journal of Materials Research, 2007, 22, 1859-1871.	1.2	195
78	Effects of molybdenum substitution on the photocatalytic behavior of BiVO4. Dalton Transactions, 2008, , 1426.	1.6	194
79	Ultrathin SnO₂ Nanorods: Template- and Surfactant-Free Solution Phase Synthesis, Growth Mechanism, Optical, Gas-Sensing, and Surface Adsorption Properties. Inorganic Chemistry, 2010, 49, 2302-2309.	1.9	193
80	Targeting Activation of CO₂ and H₂ over Ruâ€Loaded Ultrathin Layered Double Hydroxides to Achieve Efficient Photothermal CO₂ Methanation in Flowâ€Type System. Advanced Energy Materials, 2017, 7, 1601657.	10.2	193
81	Nitrogenâ€doped Lamellar Niobic Acid with Visible Lightâ€responsive Photocatalytic Activity. Advanced Materials, 2008, 20, 3816-3819.	11.1	191
82	Engineering the Edges of MoS₂ (WS₂) Crystals for Direct Exfoliation into Monolayers in Polar Micromolecular Solvents. Journal of the American Chemical Society, 2016, 138, 14962-14969.	6.6	189
83	Superior Photocatalytic H₂ Production with Cocatalytic Co/Ni Species Anchored on Sulfide Semiconductor. Advanced Materials, 2017, 29, 1703258.	11.1	188
84	Theoretical study of high photocatalytic performance of Ag<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>PO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mro	1.1	186
85	Selective light absorber-assisted single nickel atom catalysts for ambient sunlight-driven CO2 methanation. Nature Communications, 2019, 10, 2359.	5.8	185
86	Surface Modification of 2D Photocatalysts for Solar Energy Conversion. Advanced Materials, 2022, 34, e2200180.	11.1	184
87	Photocatalytic Degradation of Rhodamine B over Pb₃Nb₄O₁₃/Fumed SiO₂ Composite under Visible Light Irradiation. Journal of Physical Chemistry C, 2007, 111, 13109-13116.	1.5	181
88	Co-ZIF-9/TiO₂ nanostructure for superior CO₂ photoreduction activity. Journal of Materials Chemistry A, 2016, 4, 15126-15133.	5.2	180
89	Selective growth of Ag3PO4 submicro-cubes on Ag nanowires to fabricate necklace-like heterostructures for photocatalytic applications. Journal of Materials Chemistry, 2012, 22, 14847.	6.7	179
90	Light-Enhanced Carbon Dioxide Activation and Conversion by Effective Plasmonic Coupling Effect of Pt and Au Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 408-416.	4.0	179

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91	Photocatalytic degradation of methylene blue on CaIn2O4 under visible light irradiation. Chemical Physics Letters, 2003, 382, 175-179.	1.2	176
92	Decomposition of Organic Compounds over NaBiO3 under Visible Light Irradiation. Chemistry of Materials, 2007, 19, 198-202.	3.2	176
93	Synthesis of Fe-doped WO3 nanostructures with high visible-light-driven photocatalytic activities. Applied Catalysis B: Environmental, 2015, 166-167, 112-120.	10.8	175
94	Photoluminescence and photocatalytic properties of SrSnO3 perovskite. Chemical Physics Letters, 2006, 418, 174-178.	1.2	174
95	Efficient Visibleâ€Lightâ€Driven Carbon Dioxide Reduction by a Singleâ€Atom Implanted Metalâ€“Organic Framework. Angewandte Chemie, 2016, 128, 14522-14526.	1.6	174
96	Enhanced activity of mesoporous Nb2O5 for photocatalytic hydrogen production. Applied Surface Science, 2007, 253, 8500-8506.	3.1	173
97	Wafer-Level Artificial Photosynthesis for CO₂ Reduction into CH₄ and CO Using GaN Nanowires. ACS Catalysis, 2015, 5, 5342-5348.	5.5	172
98	Conversion of Carbon Dioxide by Methane Reforming under Visibleâ€Light Irradiation: Surfaceâ€Plasmonâ€Mediated Nonpolar Molecule Activation. Angewandte Chemie - International Edition, 2015, 54, 11545-11549.	7.2	168
99	Efficient hydrogen evolution over Sb doped SnO2 photocatalyst sensitized by Eosin Y under visible light irradiation. Nano Energy, 2017, 36, 331-340.	8.2	168
100	Quantitative structure analyses ofYBa2Cu3O7â˜Îthin films: Determination of oxygen content from x-ray-diffraction patterns. Physical Review B, 1993, 48, 7554-7564.	1.1	164
101	Efficient Photocatalysis on BaBiO₃ Driven by Visible Light. Journal of Physical Chemistry C, 2007, 111, 12779-12785.	1.5	164
102	{Ta₁₂}/{Ta₁₆} Cluster-Containing Polytantalotungstates with Remarkable Photocatalytic H₂ Evolution Activity. Journal of the American Chemical Society, 2012, 134, 19716-19721.	6.6	164
103	Photocatalytic CO₂conversion over alkali modified TiO₂without loading noble metal cocatalyst. Chemical Communications, 2014, 50, 11517-11519.	2.2	162
104	Metal nanoparticles induced photocatalysis. National Science Review, 2017, 4, 761-780.	4.6	161
105	Photocatalytic Properties and Photoinduced Hydrophilicity of Surface-Fluorinated TiO2. Chemistry of Materials, 2007, 19, 116-122.	3.2	160
106	Synthesis and Photocatalytic Activities of NaNbO₃ Rods Modified by In₂O₃ Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 6157-6162.	1.5	159
107	Leaf-architectured 3D Hierarchical Artificial Photosynthetic System of Perovskite Titanates Towards CO2 Photoreduction Into Hydrocarbon Fuels. Scientific Reports, 2013, 3, 1667.	1.6	159
108	Defective g-C3N4/covalent organic framework van der Waals heterojunction toward highly efficient S-scheme CO2 photoreduction. Applied Catalysis B: Environmental, 2022, 301, 120814.	10.8	157

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109	A selective Au-ZnO/TiO2 hybrid photocatalyst for oxidative coupling of methane to ethane with dioxygen. Nature Catalysis, 2021, 4, 1032-1042.	16.1	156
110	In situ synthesis of ordered mesoporous Co-doped TiO₂ and its enhanced photocatalytic activity and selectivity for the reduction of CO₂. Journal of Materials Chemistry A, 2015, 3, 9491-9501.	5.2	155
111	The structural, physical and photocatalytic properties of the mesoporous Cr-doped TiO2. Journal of Molecular Catalysis A, 2008, 284, 155-160.	4.8	154
112	Selective Activation of Benzyl Alcohol Coupled with Photoelectrochemical Water Oxidation via a Radical Relay Strategy. ACS Catalysis, 2020, 10, 4906-4913.	5.5	154
113	Correlation of Crystal Structures, Electronic Structures, and Photocatalytic Properties in a Series of Ag-based Oxides:â€‰ AgAlO₂, AgCrO₂, and Ag₂CrO₄. Journal of Physical Chemistry C, 2008, 112, 3134-3141.	1.5	152
114	Synthesis and photocatalytic properties of metastable Î²-Bi₂O₃stabilized by surface-coordination effects. Journal of Materials Chemistry A, 2015, 3, 5119-5125.	5.2	149
115	Toward visible-light-assisted photocatalytic nitrogen fixation: A titanium metal organic framework with functionalized ligands. Applied Catalysis B: Environmental, 2020, 267, 118686.	10.8	149
116	Photocatalytic Water Splitting with the Cr-Doped Ba2In2O5/In2O3Composite Oxide Semiconductors. Chemistry of Materials, 2005, 17, 3255-3261.	3.2	148
117	Photocatalytic Water Splitting under Visible Light by Mixed-Valence Sn₃O₄. ACS Applied Materials & Interfaces, 2014, 6, 3790-3793.	4.0	148
118	Physicochemical Mechanism for the Continuous Reaction of ?-Al2O3-Modified Aluminum Powder with Water. Journal of the American Ceramic Society, 2007, 90, 1521-1526.	1.9	147
119	Intermolecular cascaded Ï€-conjugation channels for electron delivery powering CO2 photoreduction. Nature Communications, 2020, 11, 1149.	5.8	147
120	Synergistic Activity of Co and Fe in Amorphous Coxâ€“Feâ€“B Catalyst for Efficient Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 40333-40343.	4.0	145
121	Salt-template-assisted construction of honeycomb-like structured g-C3N4 with tunable band structure for enhanced photocatalytic H2 production. Applied Catalysis B: Environmental, 2019, 240, 64-71.	10.8	143
122	Toward solar-driven carbon recycling. Joule, 2022, 6, 294-314.	11.7	143
123	Photo-assisted methanol synthesis via CO2 reduction under ambient pressure over plasmonic Cu/ZnO catalysts. Applied Catalysis B: Environmental, 2019, 250, 10-16.	10.8	142
124	A Systematical Study on Photocatalytic Properties of AgMO₂ (M = Al, Ga, In): Effects of Chemical Compositions, Crystal Structures, and Electronic Structures. Journal of Physical Chemistry C, 2009, 113, 1560-1566.	1.5	141
125	Correlation of crystal and electronic structures with photophysical properties of water splitting photocatalysts InMO4 (M=V5+,Nb5+,Ta5+). Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 79-83.	2.0	139
126	Photocatalytic reduction of CO₂over Ag/TiO₂nanocomposites prepared with a simple and rapid silver mirror method. Nanoscale, 2016, 8, 11870-11874.	2.8	139

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127	Photophysical and Photocatalytic Properties of a New Series of Visible-Light-Driven Photocatalysts M3V2O8 (M = Mg, Ni, Zn). Chemistry of Materials, 2005, 17, 5177-5182.	3.2	138
128	Concave trisoctahedral Ag₃PO₄microcrystals with high-index facets and enhanced photocatalytic properties. Chemical Communications, 2013, 49, 636-638.	2.2	137
129	Photoreduction of CO 2 over the well-crystallized ordered mesoporous TiO 2 with the confined space effect. Nano Energy, 2014, 9, 50-60.	8.2	137
130	In Situ Carbon Homogeneous Doping on Ultrathin Bismuth Molybdate: A Dualâ€Purpose Strategy for Efficient Molecular Oxygen Activation. Advanced Functional Materials, 2017, 27, 1703923.	7.8	136
131	Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Applications in Photocatalysis and Photoelectrochemical Energy Conversion. Science of Advanced Materials, 2012, 4, 282-291.	0.1	136
132	Preparation of ZnFe₂O₄ nanostructures and highly efficient visible-light-driven hydrogen generation with the assistance of nanoheterostructures. Journal of Materials Chemistry A, 2015, 3, 8353-8360.	5.2	135
133	Design of PdAu alloy plasmonic nanoparticles for improved catalytic performance in CO2 reduction with visible light irradiation. Nano Energy, 2016, 26, 398-404.	8.2	133
134	High-aspect-ratio single-crystalline porous In2O3 nanobelts with enhanced gas sensing properties. Journal of Materials Chemistry, 2011, 21, 12852.	6.7	131
135	Effective Formation of Oxygen Vacancies in Black TiO₂ Nanostructures with Efficient Solar-Driven Water Splitting. ACS Sustainable Chemistry and Engineering, 2017, 5, 8982-8987.	3.2	131
136	Efficient and selective photocatalytic CH4 conversion to CH3OH with O2 by controlling overoxidation on TiO2. Nature Communications, 2021, 12, 4652.	5.8	131
137	Correlation of crystal structures and electronic structures and photocatalytic properties of the W-containing oxides. Journal of Materials Chemistry, 2005, 15, 4246.	6.7	130
138	Slow Photons for Photocatalysis and Photovoltaics. Advanced Materials, 2017, 29, 1605349.	11.1	129
139	Plasmonic photothermal catalysis for solar-to-fuel conversion: current status and prospects. Chemical Science, 2021, 12, 5701-5719.	3.7	129
140	Effect of different modification agents on hydrogen-generation by the reaction of Al with water. International Journal of Hydrogen Energy, 2010, 35, 9561-9568.	3.8	128
141	Facile Top-Down Strategy for Direct Metal Atomization and Coordination Achieving a High Turnover Number in CO₂ Photoreduction. Journal of the American Chemical Society, 2020, 142, 19259-19267.	6.6	128
142	Visible-Light-Mediated Methane Activation for Steam Methane Reforming under Mild Conditions: A Case Study of Rh/TiO₂ Catalysts. ACS Catalysis, 2018, 8, 7556-7565.	5.5	126
143	Implantation of Iron(III) in porphyrinic metal organic frameworks for highly improved photocatalytic performance. Applied Catalysis B: Environmental, 2018, 224, 60-68.	10.8	125
144	A new heterojunction Ag3PO4/Cr-SrTiO3 photocatalyst towards efficient elimination of gaseous organic pollutants under visible light irradiation. Applied Catalysis B: Environmental, 2013, 134-135, 286-292.	10.8	123

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145	Photocatalytic and photophysical properties of visible-light-driven photocatalyst ZnBi12O20. Chemical Physics Letters, 2005, 410, 104-107.	1.2	122
146	Facile Synthesis of Single-Crystalline Ag₂V₄O₁₁ Nanotube Material as a Novel Visible-Light-Sensitive Photocatalyst. Journal of Physical Chemistry C, 2011, 115, 145-151.	1.5	122
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