

Jiaguo Yu

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792
papers

123,902
citations

182
h-index

327
g-index

820
ext. papers

143,461
ext. citations

9.7
avg, IF

9.43
L-index

#	Paper	IF	Citations
792	Polymeric photocatalysts based on graphitic carbon nitride. <i>Advanced Materials</i> , 2015 , 27, 2150-76	24	2367
791	Graphene-based semiconductor photocatalysts. <i>Chemical Society Reviews</i> , 2012 , 41, 782-96	58.5	2274
790	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, 6575-8	16.4	2059
789	Highly efficient visible-light-driven photocatalytic hydrogen production of CdS-cluster-decorated graphene nanosheets. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10878-84	16.4	2039
788	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1601694	24	2003
787	Earth-abundant cocatalysts for semiconductor-based photocatalytic water splitting. <i>Chemical Society Reviews</i> , 2014 , 43, 7787-812	58.5	1751
786	All-solid-state Z-scheme photocatalytic systems. <i>Advanced Materials</i> , 2014 , 26, 4920-35	24	1654
785	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	3.8	1511
784	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, 8839-42	16.4	1449
783	Engineering heterogeneous semiconductors for solar water splitting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2485-2534	13	1271
782	g-C ₃ N ₄ -Based Heterostructured Photocatalysts. <i>Advanced Energy Materials</i> , 2018 , 8, 1701503	21.8	1245
781	Hierarchical photocatalysts. <i>Chemical Society Reviews</i> , 2016 , 45, 2603-36	58.5	1216
780	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	21.8	1114
779	The Effect of Calcination Temperature on the Surface Microstructure and Photocatalytic Activity of TiO ₂ Thin Films Prepared by Liquid Phase Deposition. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13871-13879	3.4	1026
778	Hydrogen Production by Photocatalytic Water Splitting over Pt/TiO ₂ Nanosheets with Exposed (001) Facets. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13118-13125	3.8	979
777	Cocatalysts for Selective Photoreduction of CO into Solar Fuels. <i>Chemical Reviews</i> , 2019 , 119, 3962-4179	68.1	965
776	g-C ₃ N ₄ -Based Photocatalysts for Hydrogen Generation. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2101-7	6.4	947

775	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, 16883-90	3.6	947
774	Tunable photocatalytic selectivity of hollow TiO ₂ microspheres composed of anatase polyhedra with exposed {001} facets. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11914-6	16.4	935
773	Surface modification and enhanced photocatalytic CO ₂ reduction performance of TiO ₂ : a review. <i>Applied Surface Science</i> , 2017 , 392, 658-686	6.7	782
772	Noble metal-free reduced graphene oxide-ZnxCd _{1-x} S nanocomposite with enhanced solar photocatalytic H ₂ production performance. <i>Nano Letters</i> , 2012 , 12, 4584-9	11.5	777
771	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	15.6	757
770	Visible light photocatalytic H ₂ production activity of CuS/ZnS porous nanosheets based on photoinduced interfacial charge transfer. <i>Nano Letters</i> , 2011 , 11, 4774-9	11.5	756
769	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018 , 21, 1042-1063	10.63	737
768	Hierarchical Porous O-Doped g-C ₃ N ₄ with Enhanced Photocatalytic CO Reduction Activity. <i>Small</i> , 2017 , 13, 1603938	11	732
767	Fabrication and Characterization of Visible-Light-Driven Plasmonic Photocatalyst Ag/AgCl/TiO ₂ Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16394-16401	3.8	732
766	New understanding of the difference of photocatalytic activity among anatase, rutile and brookite TiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20382-6	3.6	722
765	S-Scheme Heterojunction Photocatalyst. <i>Chem</i> , 2020 , 6, 1543-1559	16.2	719
764	Sulfur-doped g-C ₃ N ₄ with enhanced photocatalytic CO ₂ -reduction performance. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 44-52	21.8	704
763	Efficient visible-light-induced photocatalytic disinfection on sulfur-doped nanocrystalline titania. <i>Environmental Science & Technology</i> , 2005 , 39, 1175-9	10.3	701
762	Hydrothermal synthesis and photocatalytic activity of zinc oxide hollow spheres. <i>Environmental Science & Technology</i> , 2008 , 42, 4902-7	10.3	692
761	Enhanced photocatalytic H ₂ production activity of graphene-modified titania nanosheets. <i>Nanoscale</i> , 2011 , 3, 3670-8	7.7	678
760	A Review of Direct Z-Scheme Photocatalysts. <i>Small Methods</i> , 2017 , 1, 1700080	12.8	663
759	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, 10317-24	9.5	655
758	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	21.8	646

757	Anatase TiO ₂ with Dominant High-Energy {001} Facets: Synthesis, Properties, and Applications. <i>Chemistry of Materials</i> , 2011 , 23, 4085-4093	9.6	615
756	Graphene in Photocatalysis: A Review. <i>Small</i> , 2016 , 12, 6640-6696	11	605
755	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	21.8	605
754	Graphene-Based Photocatalysts for Solar-Fuel Generation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11350-66	16.4	604
753	Template-Free Fabrication and Enhanced Photocatalytic Activity of Hierarchical Macro-/Mesoporous Titania. <i>Advanced Functional Materials</i> , 2007 , 17, 1984-1990	15.6	597
752	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015 , 5, 1500010	21.8	584
751	A Hierarchical Z-Scheme CdS-WO ₃ Photocatalyst with Enhanced CO ₂ Reduction Activity. <i>Small</i> , 2015 , 11, 5262-71	11	578
750	Review on the improvement of the photocatalytic and antibacterial activities of ZnO. <i>Journal of Alloys and Compounds</i> , 2017 , 727, 792-820	5.7	575
749	Isoelectric point and adsorption activity of porous g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2015 , 344, 188-195	6.7	569
748	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	7.3	554
747	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	3.8	530
746	Quantitative characterization of hydroxyl radicals produced by various photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2011 , 357, 163-7	9.3	527
745	An overview on the removal of synthetic dyes from water by electrochemical advanced oxidation processes. <i>Chemosphere</i> , 2018 , 197, 210-227	8.4	523
744	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	24	521
743	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	35.4	502
742	Preparation and Photocatalytic Behavior of MoS ₂ and WS ₂ Nanocluster Sensitized TiO ₂ . <i>Langmuir</i> , 2004 , 20, 5865-5869	4	486
741	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	6.7	477
740	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	2.2	476

739	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	7.3	468
738	Synthesis and Enhanced Visible-Light Photoelectrocatalytic Activity of p-n Junction BiOI/TiO ₂ Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7339-7346	3.8	467
737	Use of surfactants for the remediation of contaminated soils: a review. <i>Journal of Hazardous Materials</i> , 2015 , 285, 419-35	12.8	466
736	Zn _{1-x} Cd _x S Solid Solutions with Controlled Bandgap and Enhanced Visible-Light Photocatalytic H ₂ -Production Activity. <i>ACS Catalysis</i> , 2013 , 3, 882-889	13.1	466
735	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	13	465
734	Graphene-Based Photocatalysts for Hydrogen Generation. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 753-9	6.4	463
733	Two-dimensional layered composite photocatalysts. <i>Chemical Communications</i> , 2014 , 50, 10768-77	5.8	462
732	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	24	462
731	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. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 557-564	21.8	456
730	Enhanced photocatalytic activity of mesoporous TiO ₂ aggregates by embedding carbon nanotubes as electron-transfer channel. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3491-501	3.6	445
729	Direct Z-scheme ZnO/CdS hierarchical photocatalyst for enhanced photocatalytic H ₂ -production activity. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 19-26	21.8	444
728	A noble metal-free reduced graphene oxide/CdS nanorod composite for the enhanced visible-light photocatalytic reduction of CO ₂ to solar fuel. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3407	13	433
727	Enhanced photocatalytic activity and stability of Z-scheme Ag ₂ CrO ₄ -GO composite photocatalysts for organic pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 380-388	21.8	426
726	Hydrothermal Preparation and Photocatalytic Activity of Hierarchically Sponge-like Macro-/Mesoporous Titania. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10582-10589	3.8	421
725	Template-free Hydrothermal Synthesis of CuO/Cu ₂ O Composite Hollow Microspheres. <i>Chemistry of Materials</i> , 2007 , 19, 4327-4334	9.6	418
724	Surface plasmon resonance-mediated photocatalysis by noble metal-based composites under visible light. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21337		412
723	Enhanced photocatalytic activity of mesoporous and ordinary TiO ₂ thin films by sulfuric acid treatment. <i>Applied Catalysis B: Environmental</i> , 2002 , 36, 31-43	21.8	407
722	Recent advances in visible light Bi-based photocatalysts. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 989-1007	11.3	403

7 ²¹	Designing a 0D/2D S-Scheme Heterojunction over Polymeric Carbon Nitride for Visible-Light Photocatalytic Inactivation of Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5218-5225	16.4	400
7 ²⁰	Size- and shape-dependent catalytic performances of oxidation and reduction reactions on nanocatalysts. <i>Chemical Society Reviews</i> , 2016 , 45, 4747-65	58.5	399
7 ¹⁹	TiO ₂ /MXene Ti ₃ C ₂ composite with excellent photocatalytic CO ₂ reduction activity. <i>Journal of Catalysis</i> , 2018 , 361, 255-266	7.3	397
7 ¹⁸	Enhancement of photocatalytic activity of mesoporous TiO ₂ by using carbon nanotubes. <i>Applied Catalysis A: General</i> , 2005 , 289, 186-196	5.1	397
7 ¹⁷	Anatase TiO ₂ nanosheets with exposed {001} facets: improved photoelectric conversion efficiency in dye-sensitized solar cells. <i>Nanoscale</i> , 2010 , 2, 2144-9	7.7	395
7 ¹⁶	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	8.3	392
7 ¹⁵	Fabrication of Hollow Inorganic Microspheres by Chemically Induced Self-Transformation. <i>Advanced Functional Materials</i> , 2006 , 16, 2035-2041	15.6	391
7 ¹⁴	A review on TiO ₂ -based Z-scheme photocatalysts. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1936-1955	11.3	387
7 ¹³	Photocatalytic reduction of CO ₂ into hydrocarbon solar fuels over g-C ₃ N ₄ -Pt nanocomposite photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11492-501	3.6	376
7 ¹²	Ag ₂ O as a new visible-light photocatalyst: self-stability and high photocatalytic activity. <i>Chemistry - A European Journal</i> , 2011 , 17, 7777-80	4.8	374
7 ¹¹	Effects of Fe-doping on the photocatalytic activity of mesoporous TiO ₂ powders prepared by an ultrasonic method. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1838-47	12.8	365
7 ¹⁰	Noble metal-free Ni(OH) ₂ /g-C ₃ N ₄ composite photocatalyst with enhanced visible-light photocatalytic H ₂ -production activity. <i>Catalysis Science and Technology</i> , 2013 , 3, 1782	5.5	363
7 ⁰⁹	Ag ₂ CrO ₄ /g-C ₃ N ₄ /graphene oxide ternary nanocomposite Z-scheme photocatalyst with enhanced CO ₂ reduction activity. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 368-380	21.8	362
7 ⁰⁸	Dual Cocatalysts in TiO Photocatalysis. <i>Advanced Materials</i> , 2019 , 31, e1807660	24	360
7 ⁰⁷	Fabrication and enhanced visible-light photocatalytic activity of carbon self-doped TiO ₂ sheets with exposed {001} facets. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1049-1057		360
7 ⁰⁶	Novel urea assisted hydrothermal synthesis of hierarchical BiVO ₄ /Bi ₂ O ₂ CO ₃ nanocomposites with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2011 , 110, 286-295	21.8	359
7 ⁰⁵	Effect of calcination temperature on morphology and photoelectrochemical properties of anodized titanium dioxide nanotube arrays. <i>Applied Catalysis B: Environmental</i> , 2010 , 94, 295-302	21.8	356
7 ⁰⁴	Design and fabrication of semiconductor photocatalyst for photocatalytic reduction of CO ₂ to solar fuel. <i>Science China Materials</i> , 2014 , 57, 70-100	7.1	350

703	A new understanding of the photocatalytic mechanism of the direct Z-scheme g-CN/TiO heterostructure. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31175-31183	3.6	349
702	Microstructures and photoactivity of mesoporous anatase hollow microspheres fabricated by fluoride-mediated self-transformation. <i>Journal of Catalysis</i> , 2007 , 249, 59-66	7.3	349
701	Enhanced Photocatalytic H ₂ -Production Activity of TiO ₂ by Ni(OH) ₂ Cluster Modification. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4953-4958	3.8	344
700	One-step synthesis of easy-recycling TiO ₂ -rGO nanocomposite photocatalysts with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 452-459	21.8	337
699	Unique S-scheme heterojunctions in self-assembled TiO/CsPbBr hybrids for CO photoreduction. <i>Nature Communications</i> , 2020 , 11, 4613	17.4	333
698	In Situ Grown Monolayer N-Doped Graphene on CdS Hollow Spheres with Seamless Contact for Photocatalytic CO Reduction. <i>Advanced Materials</i> , 2019 , 31, e1902868	24	332
697	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	21.8	329
696	Ni(OH) ₂ modified CdS nanorods for highly efficient visible-light-driven photocatalytic H ₂ generation. <i>Green Chemistry</i> , 2011 , 13, 2708	10	327
695	Effects of calcination temperature on the microstructures and photocatalytic activity of titanate nanotubes. <i>Journal of Molecular Catalysis A</i> , 2006 , 249, 135-142		322
694	Review on nanoscale Bi-based photocatalysts. <i>Nanoscale Horizons</i> , 2018 , 3, 464-504	10.8	319
693	Nitrogen self-doped nanosized TiO ₂ sheets with exposed {001} facets for enhanced visible-light photocatalytic activity. <i>Chemical Communications</i> , 2011 , 47, 6906-8	5.8	319
692	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	21.8	311
691	Enhanced performance of NaOH-modified Pt/TiO ₂ toward room temperature selective oxidation of formaldehyde. <i>Environmental Science & Technology</i> , 2013 , 47, 2777-83	10.3	309
690	Graphene-Based Photocatalysts for CO ₂ Reduction to Solar Fuel. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4244-51	6.4	308
689	Direct Sonochemical Preparation and Characterization of Highly Active Mesoporous TiO ₂ with a Bicrystalline Framework. <i>Chemistry of Materials</i> , 2002 , 14, 4647-4653	9.6	308
688	First principle investigation of halogen-doped monolayer g-C ₃ N ₄ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 27-34	21.8	306
687	Preparation and enhanced visible-light photocatalytic H ₂ -production activity of CdS quantum dots-sensitized Zn _{1-x} Cd _x S solid solution. <i>Green Chemistry</i> , 2010 , 12, 1611	10	306
686	Product selectivity of photocatalytic CO ₂ reduction reactions. <i>Materials Today</i> , 2020 , 32, 222-243	21.8	306

685	Superb adsorption capacity of hierarchical calcined Ni/Mg/Al layered double hydroxides for Congo red and Cr(VI) ions. <i>Journal of Hazardous Materials</i> , 2017 , 321, 801-811	12.8	305
684	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, 889-97	12.8	305
683	Semiconductor-based photocatalytic CO2 conversion. <i>Materials Horizons</i> , 2015 , 2, 261-278	14.4	302
682	Photocatalytic activity of nanometer TiO2 thin films prepared by the sol-gel method. <i>Materials Chemistry and Physics</i> , 2001 , 69, 25-29	4.4	301
681	Constructing 2D/2D Fe2O3/g-C3N4 Direct Z-Scheme Photocatalysts with Enhanced H2 Generation Performance. <i>Solar Rrl</i> , 2018 , 2, 1800006	7.1	300
680	Improved visible-light photocatalytic activity of porous carbon self-doped ZnO nanosheet-assembled flowers. <i>CrystEngComm</i> , 2011 , 13, 2533	3.3	300
679	2D/2D/0D TiO2/C3N4/Ti3C2 MXene composite S-scheme photocatalyst with enhanced CO2 reduction activity. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 119006	21.8	298
678	Morphology-dependent photocatalytic H2-production activity of CdS. <i>Applied Catalysis B: Environmental</i> , 2014 , 156-157, 184-191	21.8	295
677	Making co-condensed amorphous carbon/g-C3N4 composites with improved visible-light photocatalytic H2-production performance using Pt as cocatalyst. <i>Carbon</i> , 2017 , 118, 241-249	10.4	292
676	Review on Metal Sulphide-based Z-scheme Photocatalysts. <i>ChemCatChem</i> , 2019 , 11, 1394-1411	5.2	292
675	Preparation of highly photocatalytic active nano-sized TiO2 particles via ultrasonic irradiation. <i>Chemical Communications</i> , 2001 , 1942-3	5.8	289
674	Microwave-assisted hydrothermal synthesis of graphene based Au/TiO2 photocatalysts for efficient visible-light hydrogen production. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3847-3855	13	285
673	CuInS2 sensitized TiO2 hybrid nanofibers for improved photocatalytic CO2 reduction. <i>Applied Catalysis B: Environmental</i> , 2018 , 230, 194-202	21.8	283
672	TiO2 nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016 , 9, 3-27	10	283
671	Hydrothermal Synthesis and Visible-light Photocatalytic Activity of Novel Cage-like Ferric Oxide Hollow Spheres. <i>Crystal Growth and Design</i> , 2009 , 9, 1474-1480	3.5	277
670	Enhanced visible light photocatalytic H2-production of g-C3N4/WS2 composite heterostructures. <i>Applied Surface Science</i> , 2015 , 358, 196-203	6.7	276
669	Fabrication of NiS modified CdS nanorod p-n junction photocatalysts with enhanced visible-light photocatalytic H2-production activity. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 12088-94	3.6	274
668	First-principle calculation study of tri-s-triazine-based g-C3N4: A review. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 983-999	21.8	268

667	Hydrothermal preparation and visible-light photocatalytic activity of Bi ₂ WO ₆ powders. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1968-1972	3.3	266
666	Nitrogen and sulfur co-doped TiO ₂ nanosheets with exposed {001} facets: synthesis, characterization and visible-light photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4853-61	3.6	264
665	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	7.3	262
664	Hollow CoS _x 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	8.3	258
663	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	6.7	256
662	Enhanced photocatalytic H ₂ -production activity of WO ₃ /TiO ₂ step-scheme heterojunction by graphene modification. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 9-20	11.3	255
661	Effect of Crystallization Methods on Morphology and Photocatalytic Activity of Anodized TiO ₂ Nanotube Array Films. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19378-19385	3.8	254
660	Ion-Exchange Synthesis and Enhanced Visible-Light Photoactivity of CuS/ZnS Nanocomposite Hollow Spheres. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13642-13649	3.8	250
659	Photocatalytic hydrogen production over CuO-modified titania. <i>Journal of Colloid and Interface Science</i> , 2011 , 357, 223-8	9.3	247
658	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	21.8	246
657	Facile Synthesis of Ordered Mesoporous Alumina and Alumina-Supported Metal Oxides with Tailored Adsorption and Framework Properties. <i>Chemistry of Materials</i> , 2011 , 23, 1147-1157	9.6	246
656	The synergistic effect of graphitic N and pyrrolic N for the enhanced photocatalytic performance of nitrogen-doped graphene/TiO ₂ nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 810-817	21.8	245
655	Core-Shell Nitrogen-Doped Carbon Hollow Spheres/Co O Nanosheets as Advanced Electrode for High-Performance Supercapacitor. <i>Small</i> , 2018 , 14, e1702407	11	245
654	H ₂ WO ₄ ·H ₂ O/Ag/AgCl Composite Nanoplates: A Plasmonic Z-Scheme Visible-Light Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14648-14655	3.8	241
653	A One-Pot Approach to Hierarchically Nanoporous Titania Hollow Microspheres with High Photocatalytic Activity. <i>Crystal Growth and Design</i> , 2008 , 8, 930-934	3.5	238
652	Tunable photocatalytic selectivity of TiO ₂ films consisted of flower-like microspheres with exposed {001} facets. <i>Chemical Communications</i> , 2011 , 47, 4532-4	5.8	237
651	A New Approach for Photocorrosion Inhibition of Ag ₂ CO ₃ Photocatalyst with Highly Visible-Light-Responsive Reactivity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15519-15524	3.8	235
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