

Naixu Li

List of Publications by Year in descending order

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3106
citing authors

#	ARTICLE	IF	CITATIONS
1	CuS nanosheet-induced local hot spots on g-C3N4 boost photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2023, 48, 6346-6357.	7.1	6
2	Ag and Cu Nanoparticles Synergistically Enhance Photocatalytic CO2 Reduction Activity of B Phase TiO2. Catalysis Letters, 2022, 152, 124-138.	2.6	12
3	Synergy effect between adsorption and heterogeneous photo-Fenton-like catalysis on LaFeO3/lignin-biochar composites for high efficiency degradation of ofloxacin under visible light. Separation and Purification Technology, 2022, 280, 119751.	7.9	68
4	Nitrogen-stabilized oxygen vacancies in TiO2 for site-selective loading of Pt and CoOx cocatalysts toward enhanced photoreduction of CO2 to CH4. Chemical Engineering Journal, 2022, 439, 135744.	12.7	24
5	MOFs-derived hierarchical porous carbon confining the monodisperse Ni and defective WOx for efficient and stable hydrogenolysis of cellulose to ethylene glycol. Research on Chemical Intermediates, 2022, 48, 2489-2507.	2.7	5
6	MgO and Au nanoparticle Co-modified g-C3N4 photocatalysts for enhanced photoreduction of CO2 with H2O. Chinese Journal of Catalysis, 2021, 42, 781-794.	14.0	34
7	Enhanced photocatalytic performance of direct Z-scheme Bi4Ti3O12/SrTiO3 photocatalysts for CO2 reduction to solar fuel. Journal of Photonics for Energy, 2021, 11, .	1.3	1
8	Preparation of 5-hydroxymethylfurfural from cellulose catalyzed by chemical bond anchoring catalyst HfxZr1-xP/SiO2. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 157-171.	1.7	5
9	Efficient Photocatalytic CO ₂ Reformation of Methane on Ru/La ₃ N ₄ by Promoting Charge Transfer and CO ₂ Activation**. ChemPhotoChem, 2021, 5, 748-757.	3.0	9
10	Z-Scheme Core-Shell <i>meso</i> -TiO ₂ @ZnIn ₂ S ₄ /Ti ₃ C ₂ MXene Enhances Visible Light-Driven CO ₂ -to-CH ₄ Selectivity. Industrial & Engineering Chemistry Research, 2021, 60, 8720-8732.	3.7	39
11	Boosting photocatalytic degradation of tetracycline under visible light over hierarchical carbon nitride microrods with carbon vacancies. Journal of Hazardous Materials, 2021, 413, 125376.	12.4	104
12	Designing a robust recyclable tricopolymer poly(ionic liquid) macroligand for copper-mediated atom transfer radical polymerization in non-aqueous biphasic systems. New Journal of Chemistry, 2020, 44, 861-869.	2.8	2
13	One-Pot Hydrothermal Synthesis of MoS2/Zn0.5Cd0.5S Heterojunction for Enhanced Photocatalytic H2 Production. Frontiers in Chemistry, 2020, 8, 779.	3.6	10
14	Enhanced Ni/W/Ti Catalyst Stability from Ti-O-W Linkage for Effective Conversion of Cellulose into Ethylene Glycol. ACS Sustainable Chemistry and Engineering, 2020, 8, 9650-9659.	6.7	31
15	Encapsulating CuO quantum dots in MIL-125(Ti) coupled with g-C3N4 for efficient photocatalytic CO2 reduction. Chemical Engineering Journal, 2020, 399, 125782.	12.7	99
16	Incorporating nitrogen defects into novel few-layer carbon nitride nanosheets for enhanced photocatalytic H2 production. Applied Surface Science, 2020, 529, 147104.	6.1	23
17	Integration of CdS particles into sodium alginate aerogel with enhanced photocatalytic performance. International Journal of Biological Macromolecules, 2019, 141, 1111-1117.	7.5	20
18	Photocatalytic coupling of methane and CO2 into C2-hydrocarbons over Zn doped g-C3N4 catalysts. Applied Surface Science, 2019, 498, 143861.	6.1	37

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19	Treelike two-level Pd _x Ag _y nanocrystals tailored for bifunctional fuel cell electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5248-5257.	10.3	42
20	Plasma-Assisted Photocatalysis of CH ₄ and CO ₂ into Ethylene. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11455-11463.	6.7	59
21	Well-dispersed CoS _x nanoparticles modified tubular sulfur doped carbon nitride for enhanced photocatalytic H ₂ production activity. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14550-14560.	7.1	29
22	Toward High-Value Hydrocarbon Generation by Photocatalytic Reduction of CO ₂ in Water Vapor. <i>ACS Catalysis</i> , 2019, 9, 5590-5602.	11.2	151
23	Catalytic Hydrogenation of Acetic Acid to Acetaldehyde: Synergistic Effect of Bifunctional Co/Ce-Fe Oxide Solid Solution Catalysts. <i>Chinese Journal of Chemistry</i> , 2019, 37, 709-719.	4.9	11
24	Synthesis of Amino-Functionalized Ti-MOF Derived Yolk-Shell and Hollow Heterostructures for Enhanced Photocatalytic Hydrogen Production under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4868-4877.	6.7	96
25	Noble-metal-free MOF derived hollow CdS/TiO ₂ decorated with NiS cocatalyst for efficient photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019, 476, 378-386.	6.1	81
26	1-Naphthol induced Pt ₃ Ag nanocorals as bifunctional cathode and anode catalysts of direct formic acid fuel cells. <i>Nano Research</i> , 2019, 12, 323-329.	10.4	43
27	Metal-organic framework-templated synthesis of Ag/Ni-TiO ₂ for enhanced photocatalytic CO ₂ reduction. <i>Journal of Photonics for Energy</i> , 2019, 10, 1.	1.3	4
28	TS-1 supported highly dispersed sub-5 nm gold nanoparticles toward direct propylene epoxidation using H ₂ and O ₂ . <i>Journal of Solid State Chemistry</i> , 2018, 261, 92-102.	2.9	24
29	Synthesis of AgI/Bi ₂ MoO ₆ nano-heterostructure with enhanced visible-light photocatalytic property. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 235-241.	4.4	12
30	Conformal deposition of atomic TiO ₂ layer on chalcogenide nanorod with excellent activity and durability towards solar H ₂ generation. <i>Chemical Engineering Journal</i> , 2018, 341, 335-343.	12.7	26
31	Catalytic hydroliquefaction of rice straw for bio-oil production using Ni/CeO ₂ catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 169-180.	5.5	60
32	Hybrid BiOBr/UiO-66-NH ₂ composite with enhanced visible-light driven photocatalytic activity toward RhB dye degradation. <i>RSC Advances</i> , 2018, 8, 2048-2058.	3.6	90
33	Comparative study of WC _x -based catalysts for aqueous phase hydrogenolysis of glycerol into bioadditives. <i>New Journal of Chemistry</i> , 2018, 42, 3633-3641.	2.8	6
34	Shape memory and self-healing materials from supramolecular block polymers. <i>Polymer</i> , 2018, 134, 35-43.	3.8	44
35	Controlling the Core-Shell Structure of CuS@CdS Heterojunction via Seeded Growth with Tunable Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15867-15875.	6.7	24
36	Photochromic thermoplastics doped with nanostructured tungsten trioxide. <i>New Journal of Chemistry</i> , 2018, 42, 10885-10890.	2.8	3

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37	Promoting Effect of Boron on the Stability and Activity of Ni/Mo ₂ C Catalyst for Hydrogenation of Alkali Lignin. <i>Catalysis Letters</i> , 2018, 148, 1856-1869.	2.6	10
38	Effect of the surface acid sites of tungsten trioxide for highly selective hydrogenation of cellulose to ethylene glycol. <i>Bioresource Technology</i> , 2018, 264, 58-65.	9.6	23
39	Enhanced Photocatalytic Performance toward CO ₂ Hydrogenation over Nanosized TiO ₂ -Loaded Pd under UV Irradiation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2923-2932.	3.1	68
40	Effect of Amino Functionality on the Uptake of Cationic Dye by Titanium-Based Metal Organic Frameworks. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1615-1622.	1.9	64
41	Synergetic photo-epoxidation of propylene with molecular oxygen over bimetallic Au-Ag/TS-1 photocatalysts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 831-843.	14.0	21
42	Hydrothermally prepared nanosized and mesoporous Ce _{0.4} Zr _{0.6} O ₂ solid solutions with shape dependence in photocatalysis for the degradation of methylene blue. <i>RSC Advances</i> , 2017, 7, 17020-17029.	3.6	6
43	Facile Synthesis of Cellulose Acetate Ultrafiltration Membrane with Stimuli-Responsiveness to pH and Temperature Using the Additive of F127-PDMS. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1109-1116.	4.9	6
44	Enhanced Visible Light Photocatalytic Hydrogenation of CO ₂ into Methane over a Pd/Ce-TiO ₂ Nanocomposition. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25795-25804.	3.1	39
45	Controlled formation of intense hot spots in Pd@Ag core-shell nano-octapods for efficient photothermal conversion. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	7
46	Photochromic Inorganic/Organic Thermoplastic Elastomers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700210.	3.9	9
47	Enhancement of SrTiO ₃ /BiPO ₄ heterostructure for simulated organic wastewater degradation under UV light irradiation. <i>Research on Chemical Intermediates</i> , 2017, 43, 1395-1407.	2.7	3
48	Metal nanoparticles supported on WO ₃ nanosheets for highly selective hydrogenolysis of cellulose to ethylene glycol. <i>Green Chemistry</i> , 2017, 19, 682-691.	9.0	107
49	Catalytic hydrogenation of alkali lignin into bio-oil using flower-like hierarchical MoS ₂ -based composite catalysts. <i>Fuel</i> , 2016, 185, 532-540.	6.4	49
50	Efficient degradation of methylene blue over boron-doped g-C ₃ N ₄ /Zn _{0.8} Cd _{0.2} S photocatalysts under simulated solar irradiation. <i>RSC Advances</i> , 2016, 6, 25568-25576.	3.6	26
51	A novel P-doped g-C ₃ N ₄ /Zn _{0.8} Cd _{0.2} S composite photocatalyst for degradation of methylene blue under simulated sunlight. <i>Applied Surface Science</i> , 2016, 361, 251-258.	6.1	60
52	Epoxidation of 1-butene to 1,2-butene oxide by transition metal disubstituted P-W-Mo ternary heteropoly quaternary ammonium salts. <i>Research on Chemical Intermediates</i> , 2015, 41, 8891-8906.	2.7	3
53	Synthesis of Mo-doped WO ₃ nanosheets with enhanced visible-light-driven photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 95394-95400.	3.6	76
54	Synthesis of MoS ₂ /SrTiO ₃ composite materials for enhanced photocatalytic activity under UV irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 706-712.	10.3	66

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55	Catalytic Hydrogenation of Alkali Lignin to Bio-oil Using Fullerene-like Vanadium Sulfide. <i>Energy & Fuels</i> , 2015, 29, 255-261.	5.1	21
56	Synthesis of MoS ₂ /SrZrO ₃ heterostructures and their photocatalytic H ₂ evolution under UV irradiation. <i>RSC Advances</i> , 2015, 5, 734-739.	3.6	41
57	Structural and luminescence properties of Y _{2-x} GeMoO ₈ :RE _x (RE=Eu, Tb) phosphors. <i>Luminescence</i> , 2014, 29, 401-406.	2.9	5
58	Charge separation in facet-engineered chalcogenide photocatalyst: a selective photocorrosion approach. <i>Nanoscale</i> , 2014, 6, 9695-9702.	5.6	82
59	Localized nano-solid-solution induced by Cu doping in ZnS for efficient solar hydrogen generation. <i>Dalton Transactions</i> , 2014, 43, 11533-11541.	3.3	20
60	The synthesis of a novel magnetic demulsifier and its application for the demulsification of oil-charged industrial wastewaters. <i>Journal of Materials Chemistry A</i> , 2014, 2, 94-99.	10.3	109
61	Luminescent properties and energy transfer of color-tunable Sr ₃ Y ₂ (SiO ₃) ₆ :Ce ³⁺ , Tb ³⁺ phosphors. <i>Journal of Rare Earths</i> , 2014, 32, 933-937.	4.8	17
62	Synthesis, characterization and luminescence properties of SrLa ₂ (MoO ₄) ₄ :Eu phosphors. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 196-202.	2.4	6
63	Facile synthesis of Pd-Ir bimetallic octapods and nanocages through galvanic replacement and co-reduction, and their use for hydrazine decomposition. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11822.	2.8	42
64	Characterization and photoluminescent properties of sol-gel-derived Ca ₂ (1-x)La _{7.6+x} (SiO ₄) ₆ O ₂ :Eu _{0.4} , Li _x phosphors. <i>Ceramics International</i> , 2013, 39, 9343-9349.	4.8	3
65	Fabrication of noble-metal-free Cd _{0.5} Zn _{0.5} S/NiS hybrid photocatalyst for efficient solar hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11268-11277.	7.1	73
66	Synthesis of Ag Nanobars in the Presence of Single-Crystal Seeds and a Bromide Compound, and Their Surface-Enhanced Raman Scattering (SERS) Properties. <i>Langmuir</i> , 2012, 28, 9047-9054.	3.5	73
67	Synthesis, structure and properties of the first organic-templated inorganic-framework Ba(II) perchlorate. <i>Journal of Molecular Structure</i> , 2011, 1006, 441-446.	3.6	4