

# Naixu Li

## List of Publications by Year in descending order

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67  
papers

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citations

172457

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68  
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docs citations

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times ranked

3106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward High-Value Hydrocarbon Generation by Photocatalytic Reduction of CO <sub>2</sub> in Water Vapor. ACS Catalysis, 2019, 9, 5590-5602.	11.2	151
2	The synthesis of a novel magnetic demulsifier and its application for the demulsification of oil-charged industrial wastewaters. Journal of Materials Chemistry A, 2014, 2, 94-99.	10.3	109
3	Metal nanoparticles supported on WO <sub>3</sub> nanosheets for highly selective hydrogenolysis of cellulose to ethylene glycol. Green Chemistry, 2017, 19, 682-691.	9.0	107
4	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
5	Encapsulating CuO quantum dots in MIL-125(Ti) coupled with g-C <sub>3</sub> N <sub>4</sub> for efficient photocatalytic CO <sub>2</sub> reduction. Chemical Engineering Journal, 2020, 399, 125782.	12.7	99
6	Synthesis of Amino-Functionalized Ti-MOF Derived Yolk-Shell and Hollow Heterostructures for Enhanced Photocatalytic Hydrogen Production under Visible Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 4868-4877.	6.7	96
7	Hybrid BiOBr/LiO-66-NH <sub>2</sub> composite with enhanced visible-light driven photocatalytic activity toward RhB dye degradation. RSC Advances, 2018, 8, 2048-2058.	3.6	90
8	Charge separation in facet-engineered chalcogenide photocatalyst: a selective photocorrosion approach. Nanoscale, 2014, 6, 9695-9702.	5.6	82
9	Noble-metal-free MOF derived hollow CdS/TiO <sub>2</sub> decorated with NiS cocatalyst for efficient photocatalytic hydrogen evolution. Applied Surface Science, 2019, 476, 378-386.	6.1	81
10	Synthesis of Mo-doped WO <sub>3</sub> nanosheets with enhanced visible-light-driven photocatalytic properties. RSC Advances, 2015, 5, 95394-95400.	3.6	76
11	Synthesis of Ag Nanobars in the Presence of Single-Crystal Seeds and a Bromide Compound, and Their Surface-Enhanced Raman Scattering (SERS) Properties. Langmuir, 2012, 28, 9047-9054.	3.5	73
12	Fabrication of noble-metal-free Cd <sub>0.5</sub> Zn <sub>0.5</sub> S/NiS hybrid photocatalyst for efficient solar hydrogen evolution. International Journal of Hydrogen Energy, 2013, 38, 11268-11277.	7.1	73
13	Enhanced Photocatalytic Performance toward CO <sub>2</sub> Hydrogenation over Nanosized TiO <sub>2</sub> -Loaded Pd under UV Irradiation. Journal of Physical Chemistry C, 2017, 121, 2923-2932.	3.1	68
14	Synergy effect between adsorption and heterogeneous photo-Fenton-like catalysis on LaFeO <sub>3</sub> /lignin-biochar composites for high efficiency degradation of ofloxacin under visible light. Separation and Purification Technology, 2022, 280, 119751.	7.9	68
15	Synthesis of MoS <sub>2</sub> /SrTiO <sub>3</sub> composite materials for enhanced photocatalytic activity under UV irradiation. Journal of Materials Chemistry A, 2015, 3, 706-712.	10.3	66
16	Effect of Amino Functionality on the Uptake of Cationic Dye by Titanium-Based Metal Organic Frameworks. Journal of Chemical & Engineering Data, 2017, 62, 1615-1622.	1.9	64
17	A novel P-doped g-C <sub>3</sub> N <sub>4</sub> /Zn <sub>0.8</sub> Cd <sub>0.2</sub> S composite photocatalyst for degradation of methylene blue under simulated sunlight. Applied Surface Science, 2016, 361, 251-258.	6.1	60
18	Catalytic hydroliquefaction of rice straw for bio-oil production using Ni/CeO <sub>2</sub> catalysts. Journal of Analytical and Applied Pyrolysis, 2018, 130, 169-180.	5.5	60

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19	Plasma-Assisted Photocatalysis of CH <sub>4</sub> and CO <sub>2</sub> into Ethylene. ACS Sustainable Chemistry and Engineering, 2019, 7, 11455-11463.	6.7	59
20	Catalytic hydrogenation of alkali lignin into bio-oil using flower-like hierarchical MoS <sub>2</sub> -based composite catalysts. Fuel, 2016, 185, 532-540.	6.4	49
21	Shape memory and self-healing materials from supramolecular block polymers. Polymer, 2018, 134, 35-43.	3.8	44
22	1-Naphthol induced Pt <sub>3</sub> Ag nanocorals as bifunctional cathode and anode catalysts of direct formic acid fuel cells. Nano Research, 2019, 12, 323-329.	10.4	43
23	Facile synthesis of Pd–Ir bimetallic octapods and nanocages through galvanic replacement and co-reduction, and their use for hydrazine decomposition. Physical Chemistry Chemical Physics, 2013, 15, 11822.	2.8	42
24	Treelike two-level Pd <sub>x</sub> Ag <sub>y</sub> nanocrystals tailored for bifunctional fuel cell electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 5248-5257.	10.3	42
25	Synthesis of MoS <sub>2</sub> /SrZrO <sub>3</sub> heterostructures and their photocatalytic H <sub>2</sub> evolution under UV irradiation. RSC Advances, 2015, 5, 734-739.	3.6	41
26	Enhanced Visible Light Photocatalytic Hydrogenation of CO <sub>2</sub> into Methane over a Pd/Ce-TiO <sub>2</sub> Nanocomposition. Journal of Physical Chemistry C, 2017, 121, 25795-25804.	3.1	39
27	Z-Scheme Core–Shell <i>meso</i> -TiO <sub>2</sub> @ZnIn <sub>2</sub> S <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> MXene Enhances Visible Light-Driven CO <sub>2</sub> -to-CH <sub>4</sub> Selectivity. Industrial & Engineering Chemistry Research, 2021, 60, 8720-8732.	3.7	39
28	Photocatalytic coupling of methane and CO <sub>2</sub> into C <sub>2</sub> -hydrocarbons over Zn doped g-C <sub>3</sub> N <sub>4</sub> catalysts. Applied Surface Science, 2019, 498, 143861.	6.1	37
29	MgO and Au nanoparticle Co-modified g-C <sub>3</sub> N <sub>4</sub> photocatalysts for enhanced photoreduction of CO <sub>2</sub> with H <sub>2</sub> O. Chinese Journal of Catalysis, 2021, 42, 781-794.	14.0	34
30	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
31	Well-dispersed Co <sub>x</sub> nanoparticles modified tubular sulfur doped carbon nitride for enhanced photocatalytic H <sub>2</sub> production activity. International Journal of Hydrogen Energy, 2019, 44, 14550-14560.	7.1	29
32	Efficient degradation of methylene blue over boron-doped g-C <sub>3</sub> N <sub>4</sub> /Zn <sub>0.8</sub> Cd <sub>0.2</sub> S photocatalysts under simulated solar irradiation. RSC Advances, 2016, 6, 25568-25576.	3.6	26
33	Conformal deposition of atomic TiO <sub>2</sub> layer on chalcogenide nanorod with excellent activity and durability towards solar H <sub>2</sub> generation. Chemical Engineering Journal, 2018, 341, 335-343.	12.7	26
34	TS-1 supported highly dispersed sub-5-nm gold nanoparticles toward direct propylene epoxidation using H <sub>2</sub> and O <sub>2</sub> . Journal of Solid State Chemistry, 2018, 261, 92-102.	2.9	24
35	Controlling the Core–Shell Structure of CuS@CdS Heterojunction via Seeded Growth with Tunable Photocatalytic Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 15867-15875.	6.7	24
36	Nitrogen-stabilized oxygen vacancies in TiO <sub>2</sub> for site-selective loading of Pt and CoO <sub>x</sub> cocatalysts toward enhanced photoreduction of CO <sub>2</sub> to CH <sub>4</sub> . Chemical Engineering Journal, 2022, 439, 135744.	12.7	24

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37	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
38	Incorporating nitrogen defects into novel few-layer carbon nitride nanosheets for enhanced photocatalytic H <sub>2</sub> production. <i>Applied Surface Science</i> , 2020, 529, 147104.	6.1	23
39	Catalytic Hydrogenation of Alkali Lignin to Bio-oil Using Fullerene-like Vanadium Sulfide. <i>Energy &amp; Fuels</i> , 2015, 29, 255-261.	5.1	21
40	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
41	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
42	Integration of CdS particles into sodium alginate aerogel with enhanced photocatalytic performance. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 1111-1117.	7.5	20
43	Luminescent properties and energy transfer of color-tunable Sr <sub>3</sub> Y <sub>2</sub> (SiO <sub>3</sub> ) <sub>6</sub> :Ce <sup>3+</sup> , Tb <sup>3+</sup> phosphors. <i>Journal of Rare Earths</i> , 2014, 32, 933-937.	4.8	17
44	Synthesis of AgI/Bi <sub>2</sub> MoO <sub>6</sub> nano-heterostructure with enhanced visible-light photocatalytic property. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 235-241.	4.4	12
45	Ag and Cu Nanoparticles Synergistically Enhance Photocatalytic CO <sub>2</sub> Reduction Activity of B Phase TiO <sub>2</sub> . <i>Catalysis Letters</i> , 2022, 152, 124-138.	2.6	12
46	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
47	Promoting Effect of Boron on the Stability and Activity of Ni/Mo <sub>2</sub> C Catalyst for Hydrogenation of Alkali Lignin. <i>Catalysis Letters</i> , 2018, 148, 1856-1869.	2.6	10
48	One-Pot Hydrothermal Synthesis of MoS <sub>2</sub> /Zn <sub>0.5</sub> Cd <sub>0.5</sub> S Heterojunction for Enhanced Photocatalytic H <sub>2</sub> Production. <i>Frontiers in Chemistry</i> , 2020, 8, 779.	3.6	10
49	Photochromic Inorganic/Organic Thermoplastic Elastomers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700210.	3.9	9
50	Efficient Photocatalytic CO <sub>2</sub> Reforming of Methane on Ru/La@G@C <sub>3</sub> N <sub>4</sub> by Promoting Charge Transfer and CO <sub>2</sub> Activation**. <i>ChemPhotoChem</i> , 2021, 5, 748-757.	3.0	9
51	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
52	Synthesis, characterization and luminescence properties of SrLa <sub>2</sub> (MoO <sub>4</sub> ) <sub>4</sub> :Eu phosphors. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 196-202.	2.4	6
53	Hydrothermally prepared nanosized and mesoporous Ce <sub>0.4</sub> Zr <sub>0.6</sub> O <sub>2</sub> solid solutions with shape dependence in photocatalysis for the degradation of methylene blue. <i>RSC Advances</i> , 2017, 7, 17020-17029.	3.6	6
54	Facile Synthesis of Cellulose Acetate Ultrafiltration Membrane with Stimuli-Responsiveness to pH and Temperature Using the Additive of F127-b-PDMAEMA. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1109-1116.	4.9	6

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55	Comparative study of WC <sub>x</sub> -based catalysts for aqueous phase hydrogenolysis of glycerol into bioadditives. <i>New Journal of Chemistry</i> , 2018, 42, 3633-3641.	2.8	6
56	CuS nanosheet-induced local hot spots on g-C <sub>3</sub> N <sub>4</sub> boost photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6346-6357.	7.1	6
57	Structural and luminescence properties of Y <sub>2-x</sub> GeMoO <sub>8</sub> :RE <sub>x</sub> (RE=Eu, Tb) phosphors. <i>Luminescence</i> , 2014, 29, 401-406.	2.9	5
58	Preparation of 5-hydroxymethylfurfural from cellulose catalyzed by chemical bond anchoring catalyst Hf <sub>x</sub> Zr <sub>1-x</sub> P/SiO <sub>2</sub> . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 157-171.	1.7	5
59	MOFs-derived hierarchical porous carbon confining the monodisperse Ni and defective WO <sub>x</sub> for efficient and stable hydrogenolysis of cellulose to ethylene glycol. <i>Research on Chemical Intermediates</i> , 2022, 48, 2489-2507.	2.7	5
60	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
61	Metal-organic framework-templated synthesis of Ag/Ni-TiO <sub>2</sub> for enhanced photocatalytic CO <sub>2</sub> reduction. <i>Journal of Photonics for Energy</i> , 2019, 10, 1.	1.3	4
62	Characterization and photoluminescent properties of sol-gel-derived Ca <sub>2</sub> (1-x)La <sub>7.6+x</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> :Eu <sub>0.4</sub> , Li <sub>x</sub> phosphors. <i>Ceramics International</i> , 2013, 39, 9343-9349.	4.8	3
63	Epoxidation of 1-butene to 1,2-butene oxide by transition metal disubstituted P <sup>W</sup> Mo ternary heteropoly quaternary ammonium salts. <i>Research on Chemical Intermediates</i> , 2015, 41, 8891-8906.	2.7	3
64	Enhancement of SrTiO <sub>3</sub> /BiPO <sub>4</sub> heterostructure for simulated organic wastewater degradation under UV light irradiation. <i>Research on Chemical Intermediates</i> , 2017, 43, 1395-1407.	2.7	3
65	Photochromic thermoplastics doped with nanostructured tungsten trioxide. <i>New Journal of Chemistry</i> , 2018, 42, 10885-10890.	2.8	3
66	Designing a robust recyclable tricopolymer poly(ionic liquid) macroligand for copper-mediated atom transfer radical polymerization in non-aqueous biphasic systems. <i>New Journal of Chemistry</i> , 2020, 44, 861-869.	2.8	2
67	Enhanced photocatalytic performance of direct Z-scheme Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /SrTiO <sub>3</sub> photocatalysts for CO <sub>2</sub> reduction to solar fuel. <i>Journal of Photonics for Energy</i> , 2021, 11, .	1.3	1