

Ling Wu

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103
papers

6,606
citations

40
h-index

80
g-index

105
ext. papers

7,770
ext. citations

9.7
avg, IF

6.19
L-index

#	Paper	IF	Citations
103	MIL-53(Fe) as a highly efficient bifunctional photocatalyst for the simultaneous reduction of Cr(VI) and oxidation of dyes. <i>Journal of Hazardous Materials</i> , 2015 , 287, 364-72	12.8	419
102	Efficient synthesis of monolayer carbon nitride 2D nanosheet with tunable concentration and enhanced visible-light photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 135-142	21.8	376
101	Characterization and photocatalytic mechanism of nanosized CdS coupled TiO ₂ nanocrystals under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , 2006 , 244, 25-32		376
100	Highly dispersed palladium nanoparticles anchored on UiO-66(NH ₂) metal-organic framework as a reusable and dual functional visible-light-driven photocatalyst. <i>Nanoscale</i> , 2013 , 5, 9374-82	7.7	345
99	Multifunctional NH ₂ -mediated zirconium metal-organic framework as an efficient visible-light-driven photocatalyst for selective oxidation of alcohols and reduction of aqueous Cr(VI). <i>Dalton Transactions</i> , 2013 , 42, 13649-57	4.3	299
98	Noble-metal-free MoS ₂ co-catalyst decorated UiO-66/CdS hybrids for efficient photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 445-453	21.8	229
97	CdS-decorated UiO-66(NH ₂) nanocomposites fabricated by a facile photodeposition process: an efficient and stable visible-light-driven photocatalyst for selective oxidation of alcohols. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11473	13	229
96	Covalent Triazine-Based Frameworks as Visible Light Photocatalysts for the Splitting of Water. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1799-805	4.8	194
95	Preparation of MIL-53(Fe)-Reduced Graphene Oxide Nanocomposites by a Simple Self-Assembly Strategy for Increasing Interfacial Contact: Efficient Visible-Light Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9507-15	9.5	193
94	Simple solvothermal routes to synthesize nanocrystalline Bi ₂ MoO ₆ photocatalysts with different morphologies. <i>Acta Materialia</i> , 2007 , 55, 4699-4705	8.4	192
93	Enhanced photocatalytic hydrogen production activity via dual modification of MOF and reduced graphene oxide on CdS. <i>Chemical Communications</i> , 2014 , 50, 8533-5	5.8	186
92	A simple strategy for fabrication of Pd@MIL-100(Fe) nanocomposite as a visible-light-driven photocatalyst for the treatment of pharmaceuticals and personal care products (PPCPs). <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 240-248	21.8	174
91	Electronic effects of ligand substitution on metal-organic framework photocatalysts: the case study of UiO-66. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 117-21	3.6	174
90	Monolayer HNb ₃ O ₈ for selective photocatalytic oxidation of benzylic alcohols with visible light response. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2951-5	16.4	171
89	Highly efficient photocatalytic H ₂ evolution over MoS ₂ /CdS-TiO ₂ nanofibers prepared by an electrospinning mediated photodeposition method. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 374-380	21.8	155
88	A clean and general strategy to decorate a titanium metal-organic framework with noble-metal nanoparticles for versatile photocatalytic applications. <i>Inorganic Chemistry</i> , 2015 , 54, 1191-3	5.1	129
87	M@MIL-100(Fe) (M = Au, Pd, Pt) nanocomposites fabricated by a facile photodeposition process: Efficient visible-light photocatalysts for redox reactions in water. <i>Nano Research</i> , 2015 , 8, 3237-3249	10	129

86	Hierarchical Bi ₂ MoO ₆ spheres in situ assembled by monolayer nanosheets toward photocatalytic selective oxidation of benzyl alcohol. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 10-18	21.8	124
85	Au and Pt co-loaded g-C ₃ N ₄ nanosheets for enhanced photocatalytic hydrogen production under visible light irradiation. <i>Applied Surface Science</i> , 2015 , 358, 304-312	6.7	108
84	Photocatalytic reduction of CO ₂ with H ₂ O to CH ₄ over ultrathin SnNb ₂ O ₆ 2D nanosheets under visible light irradiation. <i>Green Chemistry</i> , 2016 , 18, 1355-1363	10	107
83	An efficient cocatalyst of defect-decorated MoS ₂ ultrathin nanoplates for the promotion of photocatalytic hydrogen evolution over CdS nanocrystal. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12631-12635 ¹⁰⁶	13	106
82	MIL-68(Fe) as an efficient visible-light-driven photocatalyst for the treatment of a simulated waste-water contain Cr(VI) and Malachite Green. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 9-15	21.8	102
81	Molecular recognitive photocatalytic degradation of various cationic pollutants by the selective adsorption on visible light-driven SnNb ₂ O ₆ nanosheet photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2012 , 125, 103-110	21.8	95
80	Rapid template-free synthesis and photocatalytic performance of visible light-activated SnNb ₂ O ₆ nanosheets. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2670-2678		94
79	Multifunctional polyoxometalates encapsulated in MIL-100(Fe): highly efficient photocatalysts for selective transformation under visible light. <i>Dalton Transactions</i> , 2015 , 44, 18227-36	4.3	88
78	Strategies for engineering metal-organic frameworks as efficient photocatalysts. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2071-2088	11.3	87
77	A simple and highly efficient route for the preparation of p-phenylenediamine by reducing 4-nitroaniline over commercial CdS visible light-driven photocatalyst in water. <i>Green Chemistry</i> , 2012 , 14, 1705	10	79
76	Development and photocatalytic mechanism of monolayer BiMoO nanosheets for the selective oxidation of benzylic alcohols. <i>Chemical Communications</i> , 2017 , 53, 8604-8607	5.8	77
75	A general in situ hydrothermal rolling-up formation of one-dimensional, single-crystalline lead telluride nanostructures. <i>Small</i> , 2005 , 1, 349-54	11	71
74	The cooperation effect in the AuPd/LDH for promoting photocatalytic selective oxidation of benzyl alcohol. <i>Catalysis Science and Technology</i> , 2018 , 8, 268-275	5.5	70
73	Ultrathin HNb ₃ O ₈ nanosheet: an efficient photocatalyst for the hydrogen production. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20627-20632	13	68
72	Photocatalytic selective oxidation of benzyl alcohol over ZnTi-LDH: The effect of surface OH groups. <i>Applied Catalysis B: Environmental</i> , 2020 , 260, 118185	21.8	60
71	Efficient visible-light-induced photocatalytic reduction of 4-nitroaniline to p-phenylenediamine over nanocrystalline PbBi ₂ Nb ₂ O ₉ . <i>Journal of Catalysis</i> , 2012 , 290, 13-17	7.3	59
70	MoS Quantum Dots-Modified Covalent Triazine-Based Frameworks for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2018 , 11, 1108-1113	8.3	54
69	Efficient Visible-Light-Driven Photocatalytic Hydrogen Evolution on Phosphorus-Doped Covalent Triazine-Based Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41415-41421	9.5	54

68	A Pd/Monolayer Titanate Nanosheet with Surface Synergetic Effects for Precise Synthesis of Cyclohexanones. <i>ACS Catalysis</i> , 2017 , 7, 8664-8674	13.1	51
67	Effective photo-reduction to deposit Pt nanoparticles on MIL-100(Fe) for visible-light-induced hydrogen evolution. <i>New Journal of Chemistry</i> , 2016 , 40, 9170-9175	3.6	49
66	Insights into the role of Cu in promoting photocatalytic hydrogen production over ultrathin HNb3O8 nanosheets. <i>Journal of Catalysis</i> , 2016 , 342, 98-104	7.3	43
65	Ultrathin HNbWO6 nanosheets: facile synthesis and enhanced hydrogen evolution performance from photocatalytic water splitting. <i>Chemical Communications</i> , 2015 , 51, 15125-8	5.8	42
64	A new insight into the photocatalytic reduction of 4-nitroaniline to p-phenylenediamine in the presence of alcohols. <i>Applied Catalysis B: Environmental</i> , 2013 , 130-131, 163-167	21.8	40
63	Photocatalytic hydrogen evolution over monolayer H1.07Ti1.73O4·H2O nanosheets: Roles of metal defects and greatly enhanced performances. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 473-481	21.8	39
62	Ultras-small NiS decorated HNb3O8 nanosheets as highly efficient photocatalyst for H2 evolution reaction. <i>Catalysis Today</i> , 2019 , 330, 195-202	5.3	39
61	Photocatalytic synthesis of N-benzylamine from benzylamine on ultrathin BiOCl nanosheets under visible light. <i>Journal of Catalysis</i> , 2019 , 380, 123-131	7.3	36
60	Facile in situ growth of highly dispersed palladium on phosphotungstic-acid-encapsulated MIL-100(Fe) for the degradation of pharmaceuticals and personal care products under visible light. <i>Nano Research</i> , 2018 , 11, 1109-1123	10	35
59	Highly selective oxidation of furfuryl alcohol over monolayer titanate nanosheet under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 394-403	21.8	34
58	Selective photocatalytic reduction CO2 to CH4 on ultrathin TiO2 nanosheet via coordination activation. <i>Applied Catalysis B: Environmental</i> , 2021 , 288, 120000	21.8	32
57	Pd nanoclusters/TiO2(B) nanosheets with surface defects toward rapid photocatalytic dehalogenation of polyhalogenated biphenyls under visible light. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119255	21.8	30
56	Monolayer HNb3O8 for Selective Photocatalytic Oxidation of Benzylic Alcohols with Visible Light Response. <i>Angewandte Chemie</i> , 2014 , 126, 2995-2999	3.6	29
55	Functionalized MIL-68(In) for the photocatalytic treatment of Cr(VI)-containing simulation wastewater: Electronic effects of ligand substitution. <i>Applied Surface Science</i> , 2019 , 464, 396-403	6.7	29
54	One-pot synthesis of secondary amine via photoalkylation of nitroarenes with benzyl alcohol over Pd/monolayer H1.07Ti1.73O4·H2O nanosheets. <i>Journal of Catalysis</i> , 2018 , 361, 105-115	7.3	28
53	Enhanced Photocatalytic Fuel Denitrification over TiO2/FeO Nanocomposites under Visible Light Irradiation. <i>Scientific Reports</i> , 2017 , 7, 7858	4.9	27
52	Selective Photocatalytic Synthesis of Haloanilines from Halonitrobenzenes over Multifunctional AuPt/Monolayer Titanate Nanosheet. <i>ACS Catalysis</i> , 2018 , 8, 9656-9664	13.1	27
51	Engineering a highly dispersed co-catalyst on a few-layered catalyst for efficient photocatalytic H2 evolution: a case study of Ni(OH)2/HNb3O8 nanocomposites. <i>Catalysis Science and Technology</i> , 2017 , 7, 5662-5669	5.5	26

50	Constructing a novel family of halogen-doped covalent triazine-based frameworks as efficient metal-free photocatalysts for hydrogen production. <i>Nanoscale Advances</i> , 2019 , 1, 2674-2680	5.1	26
49	Highly efficient visible-light-induced photocatalytic hydrogenation of nitrobenzene to aniline in water. <i>RSC Advances</i> , 2013 , 3, 10894	3.7	26
48	Mechanistic insight into the photocatalytic hydrogenation of 4-nitroaniline over band-gap-tunable CdS photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19422-6	3.6	26
47	An unsaturated metal site-promoted approach to construct strongly coupled noble metal/HNbO nanosheets for efficient thermo/photo-catalytic reduction. <i>Nanoscale</i> , 2017 , 9, 14654-14663	7.7	26
46	An architecture of CdS/H ₂ Ti ₅ O ₁₁ ultrathin nanobelt for photocatalytic hydrogenation of 4-nitroaniline with highly efficient performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6935-6942	13	24
45	A Cobalt-Modified Covalent Triazine-Based Framework as an Efficient Cocatalyst for Visible-Light-Driven Photocatalytic CO Reduction. <i>ChemPlusChem</i> , 2019 , 84, 1149-1154	2.8	24
44	Constructing a MoS ₂ QDs/CdS Core/Shell Flowerlike Nanosphere Hierarchical Heterostructure for the Enhanced Stability and Photocatalytic Activity. <i>Molecules</i> , 2016 , 21,	4.8	24
43	Pt decorated hierarchical Sb ₂ WO ₆ microspheres as a surface functionalized photocatalyst for the visible-light-driven reduction of nitrobenzene to aniline. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18755-18766 ¹³	13	20
42	Synthesis of nitrosobenzene via photocatalytic oxidation of aniline over MgO/TiO ₂ under visible light irradiation. <i>Applied Surface Science</i> , 2018 , 440, 1269-1276	6.7	19
41	A hybrid of CdS/HCaNbO ultrathin nanosheets for promoting photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2017 , 46, 13935-13942	4.3	18
40	Rapid water disinfection over a Ag/AgBr/covalent triazine-based framework composite under visible light. <i>Dalton Transactions</i> , 2018 , 47, 7077-7082	4.3	17
39	HNbxTa _{1-x} WO ₆ monolayer nanosheets solid solutions: Tunable energy band structures and highly enhanced photocatalytic performances for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 798-806	21.8	17
38	Novel hierarchical architectures of Sb ₂ WO ₆ : template-free hydrothermal synthesis and photocatalytic reduction property for azo compound. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	16
37	Constructing Nitrogen Self-Doped Covalent Triazine-Based Frameworks for Visible-Light-Driven Photocatalytic Conversion of CO ₂ into CH ₄ . <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1333-1340	8.3	15
36	Photocatalytic H ₂ evolution integrated with selective amines oxidation promoted by NiS ₂ decorated CdS nanosheets. <i>Journal of Catalysis</i> , 2021 , 400, 347-354	7.3	13
35	Constructing surface synergistic effect in Cu-Cu ₂ O hybrids and monolayer H _{1.4} Ti _{1.65} O ₄ ·H ₂ O nanosheets for selective cinnamyl alcohol oxidation to cinnamaldehyde. <i>Journal of Catalysis</i> , 2019 , 370, 461-469	7.3	12
34	Selective Photocatalytic Oxidation of Thioanisole on DUT-67(Zr) Mediated by Surface Coordination. <i>Langmuir</i> , 2020 , 36, 2199-2208	4	12
33	A facile in situ growth of CdS quantum dots on covalent triazine-based frameworks for photocatalytic H ₂ production. <i>Journal of Alloys and Compounds</i> , 2020 , 833, 155057	5.7	11

32	Enhanced photocatalytic hydrogen evolution over monolayer HTi ₂ NbO ₇ nanosheets with highly dispersed Pt nanoclusters. <i>Applied Surface Science</i> , 2020 , 511, 145501	6.7	10
31	SnS ₂ nanoplates/SnO ₂ nanotubes composites as efficient visible light-driven photocatalysts for Cr(VI) reduction. <i>Research on Chemical Intermediates</i> , 2017 , 43, 5217-5228	2.8	10
30	Preparation of monolayer HSrNbO nanosheets for photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2019 , 48, 11136-11141	4.3	9
29	MOF-Derived Porous FeO Nanoparticles Coupled with CdS Quantum Dots for Degradation of Bisphenol A under Visible Light Irradiation. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
28	Selective hydrogenation of cinnamaldehyde to hydrocinnamaldehyde over Au-Pd/ultrathin SnNb ₂ O ₆ nanosheets under visible light. <i>Journal of Catalysis</i> , 2021 , 396, 374-386	7.3	9
27	Flowerlike BiOCl nanospheres fabricated by an in situ self-assembly strategy for efficiently enhancing photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 423-430	9.3	9
26	Photocatalytic oxidation of aniline over MO/TiO ₂ (M = Mg, Ca, Sr, Ba) under visible light irradiation. <i>Catalysis Today</i> , 2019 , 335, 312-318	5.3	8
25	Platinum single-atoms anchored covalent triazine framework for efficient photoreduction of CO ₂ to CH ₄ . <i>Chemical Engineering Journal</i> , 2021 , 427, 131018	14.7	7
24	Ultrathin ZnTi-LDH nanosheets for photocatalytic aerobic oxidation of aniline based on coordination activation. <i>Catalysis Science and Technology</i> , 2021 , 11, 162-170	5.5	7
23	Direct Z-scheme copper cobaltite/covalent triazine-based framework heterojunction for efficient photocatalytic CO ₂ reduction under visible light. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 732-739	5.8	7
22	Fabrication of hierarchical CdS nanosphere via one-pot process for photocatalytic water splitting. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	6
21	Dehydrated UiO-66(SH) ₂ : The Zr-O Cluster and Its Photocatalytic Role Mimicking the Biological Nitrogen Fixation.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	6
20	Surface synergetic effects of Pt clusters/monolayer Bi ₂ MoO ₆ nanosheet for promoting the photocatalytic selective reduction of 4-nitrostyrene to 4-vinylaniline. <i>Applied Catalysis B: Environmental</i> , 2022 , 304, 121010	21.8	5
19	Oxygen vacancy enhanced visible light photocatalytic selective oxidation of benzylamine over ultrathin Pd/BiOCl nanosheets. <i>Applied Catalysis B: Environmental</i> , 2022 , 305, 121032	21.8	5
18	Thiol-functionalized UiO-66 anchored atomically dispersed metal ions for the photocatalytic selective oxidation of benzyl alcohol. <i>Chemical Communications</i> , 2021 , 57, 12151-12154	5.8	5
17	Phase transformation synthesis of a new Bi ₂ SeO ₅ flower-like microsphere for efficiently photocatalytic degradation of organic pollutants. <i>Catalysis Today</i> , 2019 , 327, 357-365	5.3	5
16	Visible-light-driven photocatalyst based upon metal-free covalent triazine-based frameworks for enhanced hydrogen production. <i>Catalysis Science and Technology</i> , 2021 , 11, 1874-1880	5.5	5
15	Rational construction of Ni(OH) ₂ nanoparticles on covalent triazine-based framework for artificial CO reduction. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 23-31	9.3	5

14	Visible-light-driven photocatalysis over nano-TiO ₂ with different morphologies: From morphology through active site to photocatalytic performance. <i>Applied Surface Science</i> , 2022 , 580, 152262	6.7	4
13	Enhanced photocatalytic benzyl alcohol oxidation over BiTiO ultrathin nanosheets. <i>Journal of Colloid and Interface Science</i> , 2021 ,	9.3	3
12	Functionalized UiO-66(Ce) for photocatalytic organic transformation: the role of active sites modulated by ligand functionalization. <i>Catalysis Science and Technology</i> , 2022 , 12, 1812-1823	5.5	3
11	Assembling Ultrafine SnO Nanoparticles on MIL-101(Cr) Octahedrons for Efficient Fuel Photocatalytic Denitrification.. <i>Molecules</i> , 2021 , 26,	4.8	3
10	P NMR studies on the ligand dissociation of trinuclear molybdenum cluster compounds. <i>Chinese Journal of Chemistry</i> , 2010 , 21, 1174-1177	4.9	2
9	Covalent triazine-based frameworks confining cobalt single atoms for photocatalytic CO ₂ reduction and hydrogen production. <i>Journal of Materials Science and Technology</i> , 2022 , 116, 41-49	9.1	2
8	Band Gap Tuning of Covalent Triazine-Based Frameworks through Iron Doping for Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2021 , 14, 3850-3857	8.3	2
7	CuPd alloy decorated SnNb ₂ O ₆ nanosheets as a multifunctional photocatalyst for semihydrogenation of phenylacetylene under visible light. <i>Chemical Engineering Journal</i> , 2022 , 429, 132018	14.7	1
6	Unsaturated Ni Centers Mediated the Coordination Activation of Benzylamine for Enhancing Photocatalytic Activity over Ultrathin Ni MOF-74 Nanosheets.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61286-61295	9.5	1
5	Synthesis of aluminum doped MIL-100(Fe) compounds for the one-pot photocatalytic conversion of cinnamaldehyde and benzyl alcohol to the corresponding alcohol and aldehyde under anaerobic conditions. <i>Journal of Catalysis</i> , 2022 , 406, 184-192	7.3	0
4	Unveiling the intermediates/pathways towards photocatalytic dechlorination of 3,3',4,4'-tetrachlorobiphenyl over Pd /TiO ₂ (B) nanosheets. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120526	21.8	0
3	Surface functionalized Pt/SnNb ₂ O ₆ nanosheets for visible-light-driven the precise hydrogenation of furfural to furfuryl alcohol. <i>Journal of Energy Chemistry</i> , 2022 , 66, 566-575	12	0
2	Macromol. Rapid Commun. 20/2015. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1798-1798	4.8	
1	Visible-light-driven H ₂ production from heterostructured Zn _{0.5} Cd _{0.5} TiO ₂ photocatalysts modified with reduced graphene oxides. <i>New Journal of Chemistry</i> , 2021 , 45, 21415-21422	3.6	