

Xuxu Wang

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120
papers

5,518
citations

43
h-index

71
g-index

125
ext. papers

7,052
ext. citations

10.6
avg, IF

6.11
L-index

#	Paper	IF	Citations
120	Monolayered Bi ₂ WO ₆ nanosheets mimicking heterojunction interface with open surfaces for photocatalysis. <i>Nature Communications</i> , 2015 , 6, 8340	17.4	430
119	Relationship between oxygen defects and the photocatalytic property of ZnO nanocrystals in Nafion membranes. <i>Langmuir</i> , 2009 , 25, 1218-23	4	291
118	Visible-Light Driven Overall Conversion of CO and HO to CH and O on 3D-SiC@2D-MoS Heterostructure. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14595-14598	16.4	246
117	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
116	Amorphous NiO as co-catalyst for enhanced visible-light-driven hydrogen generation over g-C ₃ N ₄ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018 , 222, 35-43	21.8	185
115	Gold-plasmon enhanced solar-to-hydrogen conversion on the {001} facets of anatase TiO ₂ nanosheets. <i>Energy and Environmental Science</i> , 2014 , 7, 973	35.4	146
114	Controlled syntheses of cubic and hexagonal ZnIn ₂ S ₄ nanostructures with different visible-light photocatalytic performance. <i>Dalton Transactions</i> , 2011 , 40, 2607-13	4.3	127
113	Gold plasmon-induced photocatalytic dehydrogenative coupling of methane to ethane on polar oxide surfaces. <i>Energy and Environmental Science</i> , 2018 , 11, 294-298	35.4	124
112	Dual couples Bi metal depositing and Ag@AgI islanding on BiOI 3D architectures for synergistic bactericidal mechanism of E. coli under visible light. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 1-10	21.8	124
111	Bi ₂ MoO ₆ nanobelts for crystal facet-enhanced photocatalysis. <i>Small</i> , 2014 , 10, 2791-5, 2741	11	123
110	Photocatalytic reduction of CO ₂ on BiOX: Effect of halogen element type and surface oxygen vacancy mediated mechanism. <i>Applied Catalysis B: Environmental</i> , 2020 , 274, 119063	21.8	112
109	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
108	Layered metal-organic framework/graphene nanoarchitectures for organic photosynthesis under visible light. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24261-24271	13	103
107	Persian buttercup-like BiOBr _x Cl _{1-x} solid solution for photocatalytic overall CO ₂ reduction to CO and O ₂ . <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 734-740	21.8	96
106	Direct and indirect Z-scheme heterostructure-coupled photosystem enabling cooperation of CO reduction and HO oxidation. <i>Nature Communications</i> , 2020 , 11, 3043	17.4	93
105	Surface oxygen vacancy and defect engineering of WO ₃ for improved visible light photocatalytic performance. <i>Catalysis Science and Technology</i> , 2018 , 8, 4399-4406	5.5	91
104	Photocatalytic reduction of CO ₂ with H ₂ O to CH ₄ on Cu(I) supported TiO ₂ nanosheets with defective {001} facets. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 9761-70	3.6	89

103	BiVO ₄ /Bi ₄ Ti ₃ O ₁₂ heterojunction enabling efficient photocatalytic reduction of CO ₂ with H ₂ O to CH ₃ OH and CO. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118876	21.8	84
102	Photocatalytic CO ₂ reduction with H ₂ O over LaPO ₄ nanorods deposited with Pt cocatalyst. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 458-464	21.8	83
101	Layered C ₃ N ₃ S ₃ Polymer/Graphene Hybrids as Metal-Free Catalysts for Selective Photocatalytic Oxidation of Benzylic Alcohols under Visible Light. <i>ACS Catalysis</i> , 2014 , 4, 3302-3306	13.1	81
100	A Long-Lived Mononuclear Cyclopentadienyl Ruthenium Complex Grafted onto Anatase TiO ₂ for Efficient CO ₂ Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8314-8	16.4	78
99	Single-site Sn-grafted Ru/TiO ₂ photocatalysts for biomass reforming: Synergistic effect of dual co-catalysts and molecular mechanism. <i>Journal of Catalysis</i> , 2013 , 303, 141-155	7.3	75
98	Vacuum heat-treatment of carbon nitride for enhancing photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17797-17807	13	74
97	CdS nanoparticles/CeO ₂ nanorods composite with high-efficiency visible-light-driven photocatalytic activity. <i>Applied Surface Science</i> , 2016 , 363, 154-160	6.7	70
96	CuI-BiOI/Cu film for enhanced photo-induced charge separation and visible-light antibacterial activity. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 238-245	21.8	61
95	Openmouthed BiC hollow-sphere with highly photocatalytic activity for reduction of CO ₂ with H ₂ O. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 158-167	21.8	60
94	Plasmonic control of solar-driven CO ₂ conversion at the metal/ZnO interfaces. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117823	21.8	60
93	Sulfur and potassium co-doped graphitic carbon nitride for highly enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 273, 119050	21.8	60
92	Synergy of metal and nonmetal dopants for visible-light photocatalysis: a case-study of Sn and N co-doped TiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9636-44	3.6	59
91	Robust Photocatalytic H ₂ O ₂ Production by Octahedral Cd ₃ (C ₃ N ₃ S ₃) ₂ Coordination Polymer under Visible Light. <i>Scientific Reports</i> , 2015 , 5, 16947	4.9	58
90	High-Rate, Tunable Syngas Production with Artificial Photosynthetic Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7718-7722	16.4	55
89	Hot Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18290-18294	16.4	55
88	Iodine-modified nanocrystalline titania for photo-catalytic antibacterial application under visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 36-43	21.8	53
87	Synthesis and photocatalytic hydrogen production of a novel photocatalyst LaCO ₃ OH. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6629	13	52
86	Synthesis of caged iodine-modified ZnO nanomaterials and study on their visible light photocatalytic antibacterial properties. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117873	21.8	49

85	Heterojunction: important strategy for constructing composite photocatalysts. <i>Science Bulletin</i> , 2017 , 62, 599-601	10.6	48
84	Defect engineering of metal-oxide interface for proximity of photooxidation and photoreduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10232-10237 ^{11.5}	11.5	47
83	A heterostructured TiO ₂ /Ti ₃ N ₄ support for gold catalysts: a superior preferential oxidation of CO in the presence of H ₂ under visible light irradiation and without visible light irradiation. <i>Catalysis Science and Technology</i> , 2016 , 6, 829-839	5.5	46
82	La ₂ Sn ₂ O ₇ enhanced photocatalytic CO ₂ reduction with H ₂ O by deposition of Au co-catalyst. <i>RSC Advances</i> , 2017 , 7, 14186-14191	3.7	46
81	Self-assembly synthesis of LaPO ₄ hierarchical hollow spheres with enhanced photocatalytic CO ₂ -reduction performance. <i>Nano Research</i> , 2017 , 10, 534-545	10	44
80	Non-noble metal thickness-tunable Bi ₂ MoO ₆ nanosheets for highly efficient visible-light-driven nitrobenzene reduction into aniline. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118087	21.8	43
79	An amorphous Co _x modified Mn _{0.5} Cd _{0.5} S solid solution with enhanced visible-light photocatalytic H ₂ -production activity. <i>Catalysis Science and Technology</i> , 2018 , 8, 4122-4128	5.5	43
78	Noble-metal-free NiN/g-CN photocatalysts with enhanced hydrogen production under visible light irradiation. <i>Dalton Transactions</i> , 2018 , 47, 12188-12196	4.3	43
77	Room-Temperature Activation of H by a Surface Frustrated Lewis Pair. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9501-9505	16.4	39
76	Ultrasmall NiS decorated HNb ₃ O ₈ nanosheets as highly efficient photocatalyst for H ₂ evolution reaction. <i>Catalysis Today</i> , 2019 , 330, 195-202	5.3	39
75	LaOCl-Coupled Polymeric Carbon Nitride for Overall Water Splitting through a One-Photon Excitation Pathway. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20919-20923	16.4	37
74	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
73	Visible light-driven decomposition of gaseous benzene on robust Sn ²⁺ -doped anatase TiO ₂ nanoparticles. <i>RSC Advances</i> , 2014 , 4, 34315-34324	3.7	35
72	Simultaneous enhancements in photoactivity and anti-photocorrosion of Z-scheme Mn _{0.25} Cd _{0.75} S/WO ₃ for solar water splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118444	21.8	35
71	Oxygen vacancy-rich hierarchical BiOBr hollow microspheres with dramatic CO photoreduction activity. <i>Journal of Colloid and Interface Science</i> , 2021 , 593, 231-243	9.3	35
70	Compact carbon nitride based copolymer films with controllable thickness for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19062-19071	13	34
69	In situ hydrothermal etching fabrication of CaTiO ₃ on TiO ₂ nanosheets with heterojunction effects to enhance CO ₂ adsorption and photocatalytic reduction. <i>Catalysis Science and Technology</i> , 2019 , 9, 336-346	5.5	33
68	Accelerating charge transfer for highly efficient visible-light-driven photocatalytic H ₂ production: In-situ constructing Schottky junction via anchoring Ni-P alloy onto defect-rich ZnS. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118806	21.8	33

67	Simultaneous excitation of PdCl ₂ hybrid mesoporous g-C ₃ N ₄ molecular/solid-state photocatalysts for enhancing the visible-light-induced oxidative removal of nitrogen oxides. <i>Applied Catalysis B: Environmental</i> , 2016 , 184, 174-181	21.8	33
66	Photocatalytic reduction of CO ₂ to CO over the TiO ₂ /highly dispersed HZSM-5 zeolite containing Fe. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 725-730	21.8	32
65	Zn defect-mediated Z-scheme electron-hole separation in AgIn ₅ S ₈ /ZnS heterojunction for enhanced visible-light photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020 , 504, 144396	6.7	32
64	Freestanding single layers of non-layered material BiGa ₂ O ₃ as an efficient photocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9702-9708	13	30
63	Heteroatomic Ni, Sn Clusters-Grafted Anatase TiO ₂ Photocatalysts: Structure, Electron Delocalization, and Synergy for Solar Hydrogen Production. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10478-10492	3.8	30
62	A template-free solution route for the synthesis of well-formed one-dimensional Zn ₂ GeO ₄ nanocrystals and its photocatalytic behavior. <i>Inorganic Chemistry</i> , 2013 , 52, 6916-22	5.1	30
61	In situ construction of S-scheme AgBr/BiOBr heterojunction with surface oxygen vacancy for boosting photocatalytic CO ₂ reduction with H ₂ O. <i>Applied Catalysis B: Environmental</i> , 2022 , 301, 120802	21.8	29
60	Reconstructing Dual-Induced {0 0 1} Facets Bismuth Oxichloride Nanosheets Heterostructures: An Effective Strategy to Promote Photocatalytic Oxygen Evolution. <i>Solar Rrl</i> , 2019 , 3, 190059	7.1	28
59	Enhanced Photocatalytic Fuel Denitrification over TiO ₂ /FeO Nanocomposites under Visible Light Irradiation. <i>Scientific Reports</i> , 2017 , 7, 7858	4.9	27
58	Photochemical route for synthesizing Co-P alloy decorated ZnInS with enhanced photocatalytic H ₂ production activity under visible light irradiation. <i>Nanoscale</i> , 2018 , 10, 19100-19106	7.7	27
57	Engineering a highly dispersed co-catalyst on a few-layered catalyst for efficient photocatalytic H ₂ evolution: a case study of Ni(OH) ₂ /HNb ₃ O ₈ nanocomposites. <i>Catalysis Science and Technology</i> , 2017 , 7, 5662-5669	5.5	26
56	A novel Zn ₂ GeO ₄ superstructure for effective photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7798	13	26
55	Cobalt lactate complex as a hole cocatalyst for significantly enhanced photocatalytic H ₂ production activity over CdS nanorods. <i>Catalysis Science and Technology</i> , 2018 , 8, 1599-1605	5.5	24
54	More efficiently enhancing photocatalytic activity by embedding Pt within anatase/Bi ₂ WO ₆ heterophase junction than exposing Pt on the outside surface. <i>Journal of Catalysis</i> , 2019 , 372, 8-18	7.3	24
53	HZSM-5 zeolites containing impurity iron species for the photocatalytic reduction of CO ₂ with H ₂ O. <i>Catalysis Science and Technology</i> , 2016 , 6, 7579-7585	5.5	23
52	Phase Transition of Two-Dimensional BiGaO Nanosheets from Ultrathin BiGaO Nanosheets and Their Photocatalytic Hydrogen Evolution Activities. <i>ACS Omega</i> , 2018 , 3, 14469-14476	3.9	23
51	Binuclear μ ₂ -hydroxo-bridged iron clusters derived from surface organometallic chemistry of ferrocene in cavities of HY zeolite: Local structure, bound sites, and catalytic reactivity. <i>Journal of Catalysis</i> , 2009 , 264, 163-174	7.3	22
50	Molecular p _n heterojunction-enhanced visible-light hydrogen evolution over a N-doped TiO ₂ photocatalyst. <i>Catalysis Science and Technology</i> , 2017 , 7, 2039-2049	5.5	21

49	Self-assembled micro/nano-structured Zn ₂ GeO ₄ hollow spheres: direct synthesis and enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10622	13	21
48	Efficient self-assembly synthesis of LaPO ₄ /CdS hierarchical heterostructure with enhanced visible-light photocatalytic CO ₂ reduction. <i>Applied Surface Science</i> , 2020 , 504, 144379	6.7	21
47	A direct Z-scheme Fe ₂ O ₃ /LaTiO ₂ N visible-light photocatalyst for enhanced CO ₂ reduction activity. <i>Applied Catalysis B: Environmental</i> , 2021 , 292, 120185	21.8	21
46	Graphitic carbon/carbon nitride hybrid as metal-free photocatalyst for enhancing hydrogen evolution. <i>Applied Catalysis A: General</i> , 2017 , 546, 30-35	5.1	19
45	Germanium and iron double-substituted ZnGa ₂ O ₄ solid-solution photocatalysts with modulated band structure for boosting photocatalytic CO ₂ reduction with H ₂ O. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118551	21.8	19
44	I-TiO ₂ /PVC film with highly photocatalytic antibacterial activity under visible light. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 144, 196-202	6	18
43	Hot Electron Tunneling of Metal-Insulator-VOF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie</i> , 2019 , 131, 18458-18462	3.6	17
42	Molecular Engineering of Fully Conjugated sp Carbon-Linked Polymers for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2020 , 13, 672-676	8.3	16
41	A Long-Lived Mononuclear Cyclopentadienyl Ruthenium Complex Grafted onto Anatase TiO ₂ for Efficient CO ₂ Photoreduction. <i>Angewandte Chemie</i> , 2016 , 128, 8454-8458	3.6	16
40	Enhanced photocatalytic CO ₂ conversion over LaPO ₄ by introduction of CoCl ₂ as a hole mediator. <i>RSC Advances</i> , 2016 , 6, 34744-34747	3.7	16
39	One-step synthesis of mesoporous Pt-Nb ₂ O ₅ nanocomposites with enhanced photocatalytic hydrogen production activity. <i>RSC Advances</i> , 2016 , 6, 96809-96815	3.7	16
38	Large-scale preparation of heterometallic chalcogenide MnSbS monolayer nanosheets with a high visible-light photocatalytic activity for H ₂ evolution. <i>Chemical Communications</i> , 2016 , 52, 13381-13384	5.8	15
37	Enhanced visible light photocatalytic H ₂ evolution over CeO ₂ loaded with Pt and CdS. <i>Research on Chemical Intermediates</i> , 2017 , 43, 5103-5112	2.8	15
36	Oxygen vacancy modulation of two-dimensional GaO nanosheets as efficient catalysts for photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2018 , 10, 21509-21517	7.7	15
35	Germanium-substituted Zn ₂ TiO ₄ solid solution photocatalyst for conversion of CO ₂ into fuels. <i>Journal of Catalysis</i> , 2019 , 371, 144-152	7.3	14
34	Visible light photocatalytic H ₂ -production activity of epitaxial Cu ₂ ZnSnS ₄ /ZnS heterojunction. <i>Catalysis Communications</i> , 2016 , 85, 39-43	3.2	14
33	In situ construction of a heterojunction over the surface of a sandwich structure semiconductor for highly efficient photocatalytic H ₂ evolution under visible light irradiation. <i>Nanoscale</i> , 2017 , 9, 14423-14430	7.7	13
32	In situ photodeposition of amorphous Ni ₃ P on CdS nanorods for efficient visible-light photocatalytic H ₂ generation. <i>Catalysis Science and Technology</i> , 2019 , 9, 5394-5400	5.5	12

31	Simple Fabrication of SnO Quantum-dot-modified TiO Nanorod Arrays with High Photoelectrocatalytic Activity for Overall Water Splitting. <i>ChemPhysChem</i> , 2018 , 19, 2717-2723	3.2	11
30	Monolayer Bi ₂ W _{1-x} MoxO ₆ Solid Solutions for Structural Polarity to Boost Photocatalytic Reduction of Nitrobenzene under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2465-2474	8.3	11
29	Construction of a 2D/2D WO ₃ /LaTiO ₂ N Direct Z-Scheme Photocatalyst for Enhanced CO ₂ Reduction Performance Under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	11
28	Ni(OH) ₂ modified Mn _{0.5} Cd _{0.5} S with efficient photocatalytic H ₂ evolution activity under visible-light. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 21532-21539	6.7	10
27	Electric-Field-Mediated Electron Tunneling of Supramolecular Naphthalimide Nanostructures for Biomimetic H ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1235-1243	16.4	10
26	One-step green conversion of benzyl bromide to aldehydes on NaOH-modified g-C ₃ N ₄ with dioxygen under LED visible light. <i>Catalysis Science and Technology</i> , 2019 , 9, 3270-3278	5.5	9
25	High-Rate, Tunable Syngas Production with Artificial Photosynthetic Cells. <i>Angewandte Chemie</i> , 2019 , 131, 7800-7804	3.6	9
24	Regulation of the rutile/anatase TiO ₂ heterophase interface by Ni ₁₂ P ₅ to improve photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2020 , 10, 3709-3719	5.5	9
23	Interim anatase coating layer stabilizes rutile@Cr _x O _y photoanode for visible-light-driven water oxidation. <i>ChemPhysChem</i> , 2015 , 16, 1352-5	3.2	8
22	New Versatile Synthetic Route for the Preparation of Metal Phosphate Decorated Hydrogen Evolution Photocatalysts. <i>Inorganic Chemistry</i> , 2020 , 59, 1566-1575	5.1	8
21	Photo-Fenton enhanced twin-reactor for simultaneously hydrogen separation and organic wastewater degradation. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119517	21.8	8
20	Distortion of the Coordination Structure and High Symmetry of the Crystal Structure in In ₄ SnS ₈ Microflowers for Enhancing Visible-Light Photocatalytic CO ₂ Reduction. <i>ACS Catalysis</i> , 2021 , 11, 11029-11039	13.1	8
19	Photocatalytic Reduction of CO ₂ with H ₂ O Mediated by Ce-Tailored Bismuth Oxybromide Surface Frustrated Lewis Pairs. <i>ACS Catalysis</i> , 2022 , 12, 4016-4025	13.1	7
18	The effect of excitation wavelength on the photodeposition of Pt on polyhedron BiVO ₄ with exposing {010} and {110} facets for photocatalytic performance. <i>Catalysis Communications</i> , 2019 , 123, 100-104	3.2	6
17	Room-Temperature Activation of H ₂ by a Surface Frustrated Lewis Pair. <i>Angewandte Chemie</i> , 2019 , 131, 9601-9605	3.6	6
16	Post-synthetic regulation of the structure, morphology and photoactivity of graphitic carbon nitride by heat-vacuum treatment. <i>Materials and Design</i> , 2017 , 114, 208-213	8.1	5
15	Hot electrons in carbon nitride with ultralong lifetime and their application in reversible dynamic color displays. <i>Cell Reports Physical Science</i> , 2021 , 2, 100516	6.1	5
14	LaOCl-Coupled Polymeric Carbon Nitride for Overall Water Splitting through a One-Photon Excitation Pathway. <i>Angewandte Chemie</i> , 2020 , 132, 21105-21109	3.6	4

13	Metallic Pt and PtO ₂ Dual-Cocatalyst-Loaded Binary Composite RGO-CN _x for the Photocatalytic Production of Hydrogen and Hydrogen Peroxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6380-6389	8.3	4
12	Enhanced bacterial disinfection by CuI-BiOI/rGO hydrogel under visible light irradiation.. <i>RSC Advances</i> , 2021 , 11, 20446-20456	3.7	4
11	In situ growth of crystalline carbon nitride on LaOCl for photocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> ,	13	4
10	Cu _x O modified La ₂ Sn ₂ O ₇ photocatalyst with enhanced photocatalytic CO ₂ reduction activity. <i>Applied Surface Science</i> , 2021 , 568, 150985	6.7	3
9	Potassium doped and nitrogen defect modified graphitic carbon nitride for boosted photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 14044-14052	6.7	3
8	Cooperative hydrogen production and C ₁ coupling organic synthesis in one photoredox cycle. <i>Applied Catalysis B: Environmental</i> , 2022 , 302, 120812	21.8	2
7	Electric-Field-Mediated Electron Tunneling of Supramolecular Naphthalimide Nanostructures for Biomimetic H ₂ Production. <i>Angewandte Chemie</i> , 2021 , 133, 1255-1263	3.6	1
6	Polyvinyl pyrrolidone-coordinated ultrathin bismuth oxybromide nanosheets for boosting photoreduction of carbon dioxide via ligand-to-metal charge transfer. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1087-1100	9.3	1
5	Multimetal tantalate CsBi ₂ Ta ₅ O ₁₆ for photocatalytic conversion of CO ₂ with H ₂ O into CH ₄ and O ₂ . <i>Applied Surface Science</i> , 2022 , 588, 152933	6.7	1
4	Fabrication of 2H/3C-SiC heterophase junction nanocages for enhancing photocatalytic CO reduction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 31-39	9.3	1
3	Photocatalytic Chlorination of Methane Using Alkali Chloride Solution. <i>ACS Catalysis</i> , 7004-7013	13.1	1
2	Construction of the Rutile/Anatase Micro-Heterophase Junction Photocatalyst from Anatase by Liquid Nitrogen Quenching Method. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10172-10186	6.1	0
1	BiOBr/BiS heterojunction with S-scheme structure and oxygen defects: In-situ construction and photocatalytic behavior for reduction of CO with HO ₂ .. <i>Journal of Colloid and Interface Science</i> , 2022 , 620, 407-418	9.3	0