

Jinlin Long

List of Publications by Year in descending order

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139
papers

9,403
citations

28274

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93
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docs citations

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times ranked

10687
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayered Bi ₂ WO ₆ nanosheets mimicking heterojunction interface with open surfaces for photocatalysis. <i>Nature Communications</i> , 2015, 6, 8340.	12.8	578
2	Amine-functionalized zirconium metal-organic framework as efficient visible-light photocatalyst for aerobic organic transformations. <i>Chemical Communications</i> , 2012, 48, 11656.	4.1	405
3	Nitrogen-Doped Graphene Nanosheets as Metal-Free Catalysts for Aerobic Selective Oxidation of Benzylic Alcohols. <i>ACS Catalysis</i> , 2012, 2, 622-631.	11.2	384
4	Visible-Light Driven Overall Conversion of CO ₂ and H ₂ O to CH ₄ and O ₂ on 3D-SiC@2D-MoS ₂ Heterostructure. <i>Journal of the American Chemical Society</i> , 2018, 140, 14595-14598.	13.7	361
5	Photocatalytic reforming of biomass: A systematic study of hydrogen evolution from glucose solution. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6484-6491.	7.1	301
6	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.	20.2	252
7	Efficient and Selective Photocatalytic Oxidation of Benzylic Alcohols with Hybrid Organic-Inorganic Perovskite Materials. <i>ACS Energy Letters</i> , 2018, 3, 755-759.	17.4	222
8	Template-free synthesis of porous graphitic carbon nitride microspheres for enhanced photocatalytic hydrogen generation with high stability. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 503-510.	20.2	207
9	Gold plasmon-induced photocatalytic dehydrogenative coupling of methane to ethane on polar oxide surfaces. <i>Energy and Environmental Science</i> , 2018, 11, 294-298.	30.8	202
10	Nitrogen-doped titanium dioxide visible light photocatalyst: Spectroscopic identification of photoactive centers. <i>Journal of Catalysis</i> , 2010, 276, 201-214.	6.2	185
11	Organic semiconductor for artificial photosynthesis: water splitting into hydrogen by a bioinspired C ₃ N ₃ S ₃ polymer under visible light irradiation. <i>Chemical Science</i> , 2011, 2, 1826-1830.	7.4	167
12	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr ₃ /Bi ₂ WO ₆ Interface for Photoredox Reaction with Large Driving Force. <i>ACS Nano</i> , 2020, 14, 16689-16697.	14.6	167
13	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.	30.8	159
14	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.	20.2	156
15	Bi ₂ MoO ₆ Nanobelts for Crystal Facet-Enhanced Photocatalysis. <i>Small</i> , 2014, 10, 2791-2795.	10.0	145
16	One-pot fabrication of Bi ₃ O ₄ Cl/BiOCl plate-on-plate heterojunction with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 203-212.	20.2	141
17	Hot Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18290-18294.	13.8	138
18	Subsurface Defect Engineering in Single-Unit-Cell Bi ₂ WO ₆ Monolayers Boosts Solar-Driven Photocatalytic Performance. <i>ACS Catalysis</i> , 2020, 10, 1439-1443.	11.2	138

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19	All-solid-state direct Z-scheme NiTiO ₃ /Cd _{0.5} Zn _{0.5} S heterostructures for photocatalytic hydrogen evolution with visible light. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10270-10276.	10.3	136
20	Layered metal-organic framework/graphene nanoarchitectures for organic photosynthesis under visible light. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24261-24271.	10.3	130
21	In situ IR study of surface hydroxyl species of dehydrated TiO ₂ : towards understanding pivotal surface processes of TiO ₂ photocatalytic oxidation of toluene. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9468.	2.8	127
22	Hydroxide ZnSn(OH) ₆ : A promising new photocatalyst for benzene degradation. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 67-72.	20.2	122
23	C(sp ³)-H Bond Activation by Perovskite Solar Photocatalyst Cell. <i>ACS Energy Letters</i> , 2019, 4, 203-208.	17.4	114
24	Photocatalytic reduction of CO ₂ with H ₂ O to CH ₄ on Cu(scp) supported TiO ₂ nanosheets with defective {001} facets. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9761-9770.	2.8	110
25	Hydrothermal synthesis, characterization, and photocatalytic properties of Zn ₂ SnO ₄ . <i>Journal of Solid State Chemistry</i> , 2009, 182, 517-524.	2.9	108
26	Efficient Photocatalytic Degradation of Volatile Organic Compounds by Porous Indium Hydroxide Nanocrystals. <i>Environmental Science & Technology</i> , 2010, 44, 1380-1385.	10.0	96
27	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, 8314-8318.	13.8	96
28	Plasmonic control of solar-driven CO ₂ conversion at the metal/ZnO interfaces. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117823.	20.2	95
29	Vacuum heat-treatment of carbon nitride for enhancing photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17797-17807.	10.3	94
30	Intimately Contacted Ni ₂ P on CdS Nanorods for Highly Efficient Photocatalytic H ₂ Evolution: New Phosphidation Route and the Interfacial Separation Mechanism of Charge Carriers. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119443.	20.2	90
31	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.	6.2	89
32	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.	11.2	89
33	Amorphous Ta ₂ O _x Ny-enwrapped TiO ₂ rutile nanorods for enhanced solar photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 481-489.	20.2	86
34	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.	20.2	85
35	Nitrogen-doped graphene stabilized gold nanoparticles for aerobic selective oxidation of benzylic alcohols. <i>RSC Advances</i> , 2012, 2, 12438.	3.6	84
36	Catalytic Role of Cu Sites of Cu/MCM-41 in Phenol Hydroxylation. <i>Langmuir</i> , 2010, 26, 1362-1371.	3.5	80

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37	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.	2.0	80
38	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.	20.2	79
39	Structural evolution of alkaline earth metal stannates MSnO ₃ (M = Ca, Sr, and Ba) photocatalysts for hydrogen production. <i>RSC Advances</i> , 2016, 6, 42474-42481.	3.6	78
40	Integrating single Ni sites into biomimetic networks of covalent organic frameworks for selective photoreduction of CO ₂ . <i>Chemical Science</i> , 2020, 11, 6915-6922.	7.4	78
41	Controlling the synergistic effect of oxygen vacancies and N dopants to enhance photocatalytic activity of N-doped TiO ₂ by H ₂ reduction. <i>Applied Catalysis A: General</i> , 2012, 425-426, 117-124.	4.3	76
42	Urea-based hydrothermal growth, optical and photocatalytic properties of single-crystalline In(OH) ₃ nanocubes. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 425-431.	9.4	75
43	Au deposited BiOCl with different facets: On determination of the facet-induced transfer preference of charge carriers and the different plasmonic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 98-105.	20.2	75
44	High-Rate, Tunable Syngas Production with Artificial Photosynthetic Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7718-7722.	13.8	75
45	Surface Chlorination of TiO ₂ -Based Photocatalysts: A Way to Remarkably Improve Photocatalytic Activity in Both UV and Visible Region. <i>ACS Catalysis</i> , 2011, 1, 200-206.	11.2	71
46	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.	3.3	71
47	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, 9636-9644.	2.8	68
48	Single-site nickel-grafted anatase TiO ₂ for hydrogen production: Toward understanding the nature of visible-light photocatalysis. <i>Journal of Catalysis</i> , 2014, 320, 147-159.	6.2	67
49	Ternary Pt/SnO _x /TiO ₂ photocatalysts for hydrogen production: consequence of Pt sites for synergy of dual co-catalysts. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12521.	2.8	65
50	Sn ²⁺ dopant induced visible-light activity of SnO ₂ nanoparticles for H ₂ production. <i>Catalysis Communications</i> , 2011, 16, 215-219.	3.3	64
51	Fabrication of robust M/Ag ₃ PO ₄ (M = Pt, Pd, Au) Schottky-type heterostructures for improved visible-light photocatalysis. <i>RSC Advances</i> , 2014, 4, 37220.	3.6	64
52	Reduced Graphene Oxide-Cadmium Sulfide Nanorods Decorated with Silver Nanoparticles for Efficient Photocatalytic Reduction Carbon Dioxide Under Visible Light. <i>ChemCatChem</i> , 2018, 10, 1627-1634.	3.7	63
53	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.	7.1	63
54	Iodine-modified nanocrystalline titania for photo-catalytic antibacterial application under visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 36-43.	20.2	62

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55	Small-Sized Bimetallic CuPd Nanoclusters Encapsulated Inside Cavity of NH ₂ -UiO-66(Zr) with Superior Performance for Light-Induced Suzuki Coupling Reaction. <i>Small Methods</i> , 2018, 2, 1800164.	8.6	59
56	Crystalline Covalent Organic Frameworks with Tailored Linkages for Photocatalytic H ₂ Evolution. <i>ChemSusChem</i> , 2021, 14, 4958-4972.	6.8	56
57	Indium hydroxide: A highly active and low deactivated catalyst for photoinduced oxidation of benzene. <i>Comptes Rendus Chimie</i> , 2008, 11, 101-106.	0.5	55
58	Cd ₃ (C ₃ N ₃ S ₃) ₂ coordination polymer/graphene nanoarchitectures for enhanced photocatalytic H ₂ O ₂ production under visible light. <i>Science Bulletin</i> , 2017, 62, 610-618.	9.0	55
59	Photocatalytic and antibacterial properties of medical-grade PVC material coated with TiO ₂ film. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 425-431.	3.4	54
60	Single-site tin-grafted anatase TiO ₂ for photocatalytic hydrogen production: Toward understanding the nature of interfacial molecular junctions formed in semiconducting composite photocatalysts. <i>Journal of Catalysis</i> , 2012, 289, 88-99.	6.2	49
61	3D flower-like heterostructured TiO ₂ @Ni(OH) ₂ microspheres for solar photocatalytic hydrogen production. <i>Chinese Journal of Catalysis</i> , 2019, 40, 320-325.	14.0	49
62	Hydrothermal synthesis of MSn(OH) ₆ (M = Co, Cu, Fe, Mg, Mn, Zn) and their photocatalytic activity for the destruction of gaseous benzene. <i>Chemical Engineering Journal</i> , 2015, 269, 168-179.	12.7	45
63	Visible light-driven decomposition of gaseous benzene on robust Sn ²⁺ -doped anatase TiO ₂ nanoparticles. <i>RSC Advances</i> , 2014, 4, 34315-34324.	3.6	44
64	Reconstructing Dual-Induced {0 0 1} Facets Bismuth Oxychloride Nanosheets Heterostructures: An Effective Strategy to Promote Photocatalytic Oxygen Evolution. <i>Solar Rrl</i> , 2019, 3, 1900059.	5.8	44
65	Compact carbon nitride based copolymer films with controllable thickness for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19062-19071.	10.3	43
66	Photochemical synthesis of submicron- and nano-scale Cu ₂ O particles. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 791-799.	9.4	41
67	Heterogeneous Photocatalyzed C-C Cross-Coupling Reactions Under Visible-Light and Near-Infrared Light Irradiation. <i>ChemCatChem</i> , 2019, 11, 669-683.	3.7	41
68	Controlled preparation of In ₂ O ₃ , InOOH and In(OH) ₃ via a one-pot aqueous solvothermal route. <i>New Journal of Chemistry</i> , 2008, 32, 1843.	2.8	39
69	Freestanding N-doped graphene membrane electrode with interconnected porous architecture for efficient capacitive deionization. <i>Carbon</i> , 2022, 187, 86-96.	10.3	39
70	The Hole-Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16009-16018.	13.8	37
71	Alkaline-Earth Metals-Doped Pyrochlore Gd ₂ Zr ₂ O ₇ as Oxygen Conductors for Improved NO ₂ Sensing Performance. <i>Scientific Reports</i> , 2017, 7, 4684.	3.3	36
72	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.	3.1	35

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73	Activation of Carbonyl Oxygen Sites in β -Ketoenamine-Linked Covalent Organic Frameworks via Cyano Conjugation for Efficient Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2101017.	10.0	34
74	Controlled synthesis of pure and highly dispersive Cu(ii), Cu(i), and Cu(0)/MCM-41 with Cu[OCHMeCH ₂ NMe ₂] ₂ /MCM-41 as precursor. <i>New Journal of Chemistry</i> , 2009, 33, 2044.	2.8	33
75	Electric-Field-Mediated Electron Tunneling of Supramolecular Naphthalimide Nanostructures for Biomimetic H ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1235-1243.	13.8	33
76	Site-Sensitive Selective CO ₂ Photoreduction to CO over Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202204563.	13.8	33
77	Hot-Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie</i> , 2019, 131, 18458-18462.	2.0	31
78	Molecular Dipole-Induced Photoredox Catalysis for Hydrogen Evolution over Self-Assembled Naphthalimide Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	31
79	Highly Efficient Plasmon Induced Hot-Electron Transfer at Ag/TiO ₂ Interface. <i>ACS Photonics</i> , 2021, 8, 1497-1504.	6.6	30
80	Solar Photocatalytic Oxidation of Methane to Methanol with Water over RuO _x /ZnO/CeO ₂ Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 16-22.	6.7	30
81	Probing the Electronic Structure and Photoactivation Process of Nitrogen-Doped TiO ₂ Using DRS, PL, and EPR. <i>ChemPhysChem</i> , 2012, 13, 1542-1550.	2.1	29
82	Gold Plasmon-Enhanced Solar Hydrogen Production over SrTiO ₃ /TiO ₂ Heterostructures. <i>ChemCatChem</i> , 2019, 11, 6203-6207.	3.7	29
83	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.	6.7	29
84	Low-crystalline PdCu alloy on large-area ultrathin 2D carbon nitride nanosheets for efficient photocatalytic Suzuki coupling. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120756.	20.2	29
85	Plasma-assisted in-situ preparation of graphene-Ag nanofiltration membranes for efficient removal of heavy metal ions. <i>Journal of Hazardous Materials</i> , 2022, 423, 127012.	12.4	29
86	Infrared Study of the NO Reduction by Hydrocarbons over Iron Sites with Low Nuclearity: Some New Insight into the Reaction Pathway. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15713-15727.	3.1	28
87	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.	4.1	27
88	Graphitic carbon/carbon nitride hybrid as metal-free photocatalyst for enhancing hydrogen evolution. <i>Applied Catalysis A: General</i> , 2017, 546, 30-35.	4.3	27
89	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.	10.3	26
90	I-TiO ₂ /PVC film with highly photocatalytic antibacterial activity under visible light. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 196-202.	5.0	26

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91	Molecular Engineering of Fully Conjugated sp^2 Carbon-Linked Polymers for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2020, 13, 672-676.	6.8	26
92	Ce incorporated pyrochlore $Pr_2Zr_2O_7$ solid electrolytes for enhanced mild-temperature NO_2 sensing. <i>Ceramics International</i> , 2017, 43, 11799-11806.	4.8	24
93	A graphene-hidden structure with diminished light shielding effect: more efficient graphene-involved composite photocatalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 4734-4740.	4.1	24
94	A Mononuclear Cyclopentadiene-Iron Complex Grafted in the Supercages of HY Zeolite: Synthesis, Structure, and Reactivity. <i>Chemistry - A European Journal</i> , 2007, 13, 7890-7899.	3.3	23
95	Binuclear μ_4 -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.	6.2	23
96	Visible-light photocatalytic denitrogenation of nitrogen-containing compound in petroleum by metastable Bi_2O_3 . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13401-13407.	7.1	23
97	Pyrochlore $Pr_2Zr_{2-x}M_xO_7$ ($M = Al, Ga, In$) solid-state electrolytes: Defect-mediated oxygen hopping pathways and enhanced NO_2 sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 130-139.	7.8	23
98	Z-Schemed $WO_3/rGO/SnIn_4S_8$ Sandwich Nanohybrids for Efficient Visible Light Photocatalytic Water Purification. <i>Catalysts</i> , 2019, 9, 187.	3.5	23
99	Optofluidic Tunable Lenses for In-Plane Light Manipulation. <i>Micromachines</i> , 2018, 9, 97.	2.9	22
100	Understanding structure-function relationships in HZSM-5 zeolite catalysts for photocatalytic oxidation of isopropyl alcohol. <i>Journal of Catalysis</i> , 2019, 377, 322-331.	6.2	21
101	Conversion of CO_2 to formic acid by integrated all-solar-driven artificial photosynthetic system. <i>Journal of Power Sources</i> , 2021, 512, 230532.	7.8	21
102	Cyclopentadiene transformation over H-form zeolites: TPD and IR studies of the formation of a monomeric cyclopentenyl carbenium ion intermediate and its role in acid-catalyzed conversions. <i>Journal of Catalysis</i> , 2008, 255, 48-58.	6.2	20
103	One-step synthesis of mesoporous $Pt-Nb_2O_5$ nanocomposites with enhanced photocatalytic hydrogen production activity. <i>RSC Advances</i> , 2016, 6, 96809-96815.	3.6	20
104	Large-scale preparation of heterometallic chalcogenide $MnSb_2S_4$ monolayer nanosheets with a high visible-light photocatalytic activity for H_2 evolution. <i>Chemical Communications</i> , 2016, 52, 13381-13384.	4.1	18
105	Deposition Chemistry of $Cu[OCH(Me)CH_2]_2$ over Mesoporous Silica. <i>Chemistry of Materials</i> , 2008, 20, 4565-4575.	6.7	16
106	Trinuclear iron cluster intercalated montmorillonite catalyst: Microstructure and photo-Fenton performance. <i>Catalysis Today</i> , 2011, 175, 362-369.	4.4	16
107	Pyrochlore $Pr_2Zr_{1.95}In_{0.05}O_7$ oxygen conductors: Defect-induced electron transport and enhanced NO_2 sensing performances. <i>Electrochimica Acta</i> , 2019, 293, 338-347.	5.2	16
108	Tunable linear donor-acceptor conjugated polymers with a vinylene linkage for visible-light driven hydrogen evolution. <i>Catalysis Science and Technology</i> , 2021, 11, 4021-4025.	4.1	16

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109	Construction of highly dispersed mononuclear iron-oxo species in the supercages of Y zeolite by use of surface organometallic chemistry. <i>Microporous and Mesoporous Materials</i> , 2008, 108, 258-265.	4.4	15
110	Towards a comprehensive insight into efficient hydrogen production by self-assembled Ru(bpy) ₃ ²⁺ polymer-Pt artificial photosystems. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10726-10736.	2.8	15
111	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.	4.1	15
112	Efficient Photothermal CO ₂ Methanation over RuO ₂ /SrTiO ₃ . <i>Trends in Chemistry</i> , 2019, 1, 459-460.	8.5	13
113	Tuning Intermediate-Band Cu ₃ VS ₄ Nanocrystals from Plasmonic-like to Excitonic via Shell-Coating. <i>Chemistry of Materials</i> , 2020, 32, 224-233.	6.7	13
114	Photoinduced Reactions between Pb ₃ O ₄ and Organic Dyes in Aqueous Solution under Visible Light. <i>Inorganic Chemistry</i> , 2012, 51, 12594-12596.	4.0	12
115	High-Rate, Tunable Syngas Production with Artificial Photosynthetic Cells. <i>Angewandte Chemie</i> , 2019, 131, 7800-7804.	2.0	12
116	Plasmonic Electron-Driven Solar-Driven Hydrocarbon Conversion over Au NR@ZnO Core-Shell Nanostructures. <i>ChemCatChem</i> , 2020, 12, 2989-2994.	3.7	12
117	Enhanced Hydrogen Production over C-Doped CdO Photocatalyst in Na ₂ S/Na ₂ SO ₃ Solution under Visible Light Irradiation. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	2.5	11
118	Enhanced bacterial disinfection by Cu ²⁺ /BiOI/rGO hydrogel under visible light irradiation. <i>RSC Advances</i> , 2021, 11, 20446-20456.	3.6	11
119	Insight into Photoactive Sites for the Ethylene Oxidation on Commercial HZSM-5 Zeolites with Iron Impurities by UV Raman, X-ray Absorption Fine Structure, and Electron Paramagnetic Resonance Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5195-5202.	3.1	10
120	<i>In situ</i> construction of layered graphene-based nanofiltration membranes with interlayer photocatalytic purification function and their application for water treatment. <i>Environmental Science: Nano</i> , 2019, 6, 2195-2202.	4.3	10
121	Solar-to-Chemical Fuel Conversion via Metal Halide Perovskite Solar-Driven Electrocatalysis. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 25-41.	4.6	10
122	Lamellar MXene Nanofiltration Membranes for Electrostatic Modulation of Molecular Permeation: Implications for Fine Separation. <i>ACS Applied Nano Materials</i> , 2022, 5, 7373-7381.	5.0	9
123	H ₂ -promoting effect on photocatalytic degradation of organic pollutants in an aqueous solution without an external H ₂ supply. <i>Applied Catalysis A: General</i> , 2010, 380, 178-184.	4.3	8
124	Visible light-induced highly efficient organic pollutant degradation and concomitant CO ₂ fixation using red lead. <i>RSC Advances</i> , 2012, 2, 12624.	3.6	8
125	Interim Anatase Coating Layer Stabilizes Rutile@Cr _x O _y Photoanode for Visible-Light-Driven Water Oxidation. <i>ChemPhysChem</i> , 2015, 16, 1352-1355.	2.1	8
126	Green synthesis of red-emission carbon based dots by microbial fermentation. <i>New Journal of Chemistry</i> , 2018, 42, 8591-8595.	2.8	8

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127	Photoactive sites in commercial HZSM-5 zeolite with iron impurities: An UV Raman study. <i>Comptes Rendus Chimie</i> , 2008, 11, 114-119.	0.5	7
128	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.	7.0	7
129	Reducing the barrier effect of graphene sheets on a Ag cocatalyst to further improve the photocatalytic performance of TiO_2 . <i>RSC Advances</i> , 2018, 8, 14056-14063.	3.6	7
130	Molecular Dipole-Induced Photoredox Catalysis for Hydrogen Evolution over Self-Assembled Naphthalimide Nanoribbons. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
131	Electric-Field-Mediated Electron Tunneling of Supramolecular Naphthalimide Nanostructures for Biomimetic H_2 Production. <i>Angewandte Chemie</i> , 2021, 133, 1255-1263.	2.0	6
132	Super-hydrophobic and photocatalytic antimicrobial activity of iodine-doped ZnO nanoarray films. <i>New Journal of Chemistry</i> , 2022, 46, 3140-3145.	2.8	6
133	In-situ Formed Surface Complexes Promoting NIR-Light-Driven Carbonylation of Diamine with CO on Ultrathin $\text{Co}_2\text{CO}_3(\text{OH})_2$ Nanosheets. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121103.	20.2	6
134	Site-Sensitive Selective CO_2 Photoreduction to CO over Gold Nanoparticles. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
135	Metal-Free Photocatalysts $\text{C}_3\text{N}_3\text{S}_3$ and its Polymers: Solubility in Water and Application in Benzylic Alcohols Oxidation Under Visible Light. <i>Nano</i> , 2017, 12, 1750101.	1.0	3
136	The Hole-Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie</i> , 2021, 133, 16145-16154.	2.0	2
137	Q-switching Yb^{3+} : YAG lasers based on plasmon resonance nonlinearities of $\text{Cu}_{2-x}\text{Se}@_{\text{Cu}_2-x}\text{S}$ nanorods. <i>Optics Letters</i> , 2017, 42, 2619.	3.3	1
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