

Jinlin Long

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135
papers

6,806
citations

49
h-index

79
g-index

143
ext. papers

8,091
ext. citations

9.3
avg, IF

5.98
L-index

#	Paper	IF	Citations
135	Monolayered Bi ₂ WO ₆ nanosheets mimicking heterojunction interface with open surfaces for photocatalysis. <i>Nature Communications</i> , 2015 , 6, 8340	17.4	430
134	Amine-functionalized zirconium metal-organic framework as efficient visible-light photocatalyst for aerobic organic transformations. <i>Chemical Communications</i> , 2012 , 48, 11656-8	5.8	328
133	Nitrogen-Doped Graphene Nanosheets as Metal-Free Catalysts for Aerobic Selective Oxidation of Benzylic Alcohols. <i>ACS Catalysis</i> , 2012 , 2, 622-631	13.1	327
132	Photocatalytic reforming of biomass: A systematic study of hydrogen evolution from glucose solution. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 6484-6491	6.7	264
131	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
130	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
129	Nitrogen-doped titanium dioxide visible light photocatalyst: Spectroscopic identification of photoactive centers. <i>Journal of Catalysis</i> , 2010 , 276, 201-214	7.3	170
128	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	21.8	161
127	Efficient and Selective Photocatalytic Oxidation of Benzylic Alcohols with Hybrid Organic/Inorganic Perovskite Materials. <i>ACS Energy Letters</i> , 2018 , 3, 755-759	20.1	147
126	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
125	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	9.4	146
124	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
123	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
122	Bi ₂ MoO ₆ nanobelts for crystal facet-enhanced photocatalysis. <i>Small</i> , 2014 , 10, 2791-5, 2741	11	123
121	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	21.8	113
120	Hydroxide ZnSn(OH) ₆ : A promising new photocatalyst for benzene degradation. <i>Applied Catalysis B: Environmental</i> , 2009 , 91, 67-72	21.8	105
119	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

118	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, 9468-74	3.6	97
117	Hydrothermal synthesis, characterization, and photocatalytic properties of Zn ₂ SnO ₄ . <i>Journal of Solid State Chemistry</i> , 2009 , 182, 517-524	3.3	92
116	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
115	Efficient photocatalytic degradation of volatile organic compounds by porous indium hydroxide nanocrystals. <i>Environmental Science & Technology</i> , 2010 , 44, 1380-5	10.3	87
114	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
113	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
112	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
111	Catalytic role of Cu sites of Cu/MCM-41 in phenol hydroxylation. <i>Langmuir</i> , 2010 , 26, 1362-71	4	75
110	Vacuum heat-treatment of carbon nitride for enhancing photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17797-17807	13	74
109	C(sp ³) Bond Activation by Perovskite Solar Photocatalyst Cell. <i>ACS Energy Letters</i> , 2019 , 4, 203-208	20.1	74
108	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	21.8	73
107	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	13.1	71
106	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr/BiWO ₆ Interface for Photoredox Reaction with Large Driving Force. <i>ACS Nano</i> , 2020 ,	16.7	70
105	Nitrogen-doped graphene stabilized gold nanoparticles for aerobic selective oxidation of benzylic alcohols. <i>RSC Advances</i> , 2012 , 2, 12438	3.7	70
104	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	5.1	69
103	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, 425-31	9.3	67
102	Amorphous Ta ₂ O _x N _y -enwrapped TiO ₂ rutile nanorods for enhanced solar photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 481-489	21.8	65
101	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, 12521-34	3.6	63

100	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	13.1	62
99	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
98	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
97	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	7.3	59
96	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
95	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
94	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	3.7	57
93	High-Rate, Tunable Syngas Production with Artificial Photosynthetic Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7718-7722	16.4	55
92	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	5.2	55
91	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
90	Sn ²⁺ dopant induced visible-light activity of SnO ₂ nanoparticles for H ₂ production. <i>Catalysis Communications</i> , 2011 , 16, 215-219	3.2	54
89	Indium hydroxide: A highly active and low deactivated catalyst for photoinduced oxidation of benzene. <i>Comptes Rendus Chimie</i> , 2008 , 11, 101-106	2.7	54
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	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	3.7	53
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	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	47
84	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	11.3	44
83	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 , 87, 425-31	3.5	44

82	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	7.3	43
81	All-solid-state direct Z-scheme NiTiO ₃ /Cd _{0.5} Zn _{0.5} heterostructures for photocatalytic hydrogen evolution with visible light. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10270-10276	13	43
80	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	12.8	39
79	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	10.6	37
78	Photochemical synthesis of submicron- and nano-scale Cu ₂ O particles. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 791-9	9.3	36
77	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
76	Integrating single Ni sites into biomimetic networks of covalent organic frameworks for selective photoreduction of CO. <i>Chemical Science</i> , 2020 , 11, 6915-6922	9.4	34
75	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
74	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	14.7	32
73	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	3.6	32
72	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	21.8	32
71	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
70	Heterogeneous Photocatalyzed C≡C Cross-coupling Reactions Under Visible-light and Near-infrared Light Irradiation. <i>ChemCatChem</i> , 2019 , 11, 669-683	5.2	29
69	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	7.1	28
68	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	3.6	27
67	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	3.8	26
66	Alkaline-Earth Metals-Doped Pyrochlore GdZrO as Oxygen Conductors for Improved NO Sensing Performance. <i>Scientific Reports</i> , 2017 , 7, 4684	4.9	25
65	Probing the electronic structure and photoactivation process of nitrogen-doped TiO ₂ using DRS, PL, and EPR. <i>ChemPhysChem</i> , 2012 , 13, 1542-50	3.2	25

64	Binuclear 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
63	Molecular pπ 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
62	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
61	A mononuclear cyclopentadiene-iron complex grafted in the supercages of HY zeolite: synthesis, structure, and reactivity. <i>Chemistry - A European Journal</i> , 2007 , 13, 7890-9	4.8	21
60	Visible-light photocatalytic denitrogenation of nitrogen-containing compound in petroleum by metastable Bi ₂ O ₃ /TiO ₂ . <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13401-13407	6.7	20
59	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
58	Gold Plasmon-Enhanced Solar Hydrogen Production over SrTiO ₃ /TiO ₂ Heterostructures. <i>ChemCatChem</i> , 2019 , 11, 6203-6207	5.2	18
57	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
56	Hot Electron Tunneling of Metal-Insulator-TOF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie</i> , 2019 , 131, 18458-18462	3.6	17
55	Optofluidic Tunable Lenses for In-Plane Light Manipulation. <i>Micromachines</i> , 2018 , 9,	3.3	16
54	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	5.5	16
53	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	7.3	16
52	Molecular Engineering of Fully Conjugated sp ² Carbon-Linked Polymers for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2020 , 13, 672-676	8.3	16
51	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
50	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
49	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
48	Pyrochlore Pr ₂ Zr _{2-x} M _x O _{7+δ} (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	8.5	15
47	Deposition Chemistry of Cu[OCH(Me)CH ₂ NMe ₂] ₂ over Mesoporous Silica. <i>Chemistry of Materials</i> , 2008 , 20, 4565-4575	9.6	15

46	Z-Schemed WO ₃ /rGO/SnIn ₄ S ₈ Sandwich Nanohybrids for Efficient Visible Light Photocatalytic Water Purification. <i>Catalysts</i> , 2019 , 9, 187	4	14
45	Ce incorporated pyrochlore Pr ₂ Zr ₂ O ₇ solid electrolytes for enhanced mild-temperature NO ₂ sensing. <i>Ceramics International</i> , 2017 , 43, 11799-11806	5.1	13
44	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	5.3	13
43	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, 10726-36 ^{3.6}	3.6	12
42	Photoinduced reactions between Pb ₃ O ₄ and organic dyes in aqueous solution under visible light. <i>Inorganic Chemistry</i> , 2012 , 51, 12594-6	5.1	12
41	Trinuclear iron cluster intercalated montmorillonite catalyst: Microstructure and photo-Fenton performance. <i>Catalysis Today</i> , 2011 , 175, 362-369	5.3	12
40	Highly Efficient Plasmon Induced Hot-Electron Transfer at Ag/TiO ₂ Interface. <i>ACS Photonics</i> , 2021 , 8, 1497-1504	6.3	12
39	Enhanced Hydrogen Production over C-Doped CdO Photocatalyst in NaS/NaSO Solution under Visible Light Irradiation. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-7	2.1	11
38	Pyrochlore Pr ₂ Zr _{1.95} In _{0.05} O ₇ +D ₂ O ₂ oxygen conductors: Defect-induced electron transport and enhanced NO ₂ sensing performances. <i>Electrochimica Acta</i> , 2019 , 293, 338-347	6.7	11
37	In situ 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	7.1	10
36	Understanding structure-function relationships in HZSM-5 zeolite catalysts for photocatalytic oxidation of isopropyl alcohol. <i>Journal of Catalysis</i> , 2019 , 377, 322-331	7.3	10
35	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
34	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
33	High-Rate, Tunable Syngas Production with Artificial Photosynthetic Cells. <i>Angewandte Chemie</i> , 2019 , 131, 7800-7804	3.6	9
32	Efficient Photothermal CO ₂ Methanation over RuO ₂ /SrTiO ₃ . <i>Trends in Chemistry</i> , 2019 , 1, 459-460	14.8	9
31	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	3.8	9
30	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
29	Visible light-induced highly efficient organic pollutant degradation and concomitant CO ₂ fixation using red lead. <i>RSC Advances</i> , 2012 , 2, 12624	3.7	8

28	H ₂ O 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	5.1	8
27	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	11	8
26	The Hole-Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16009-16018	16.4	8
25	Photoactive sites in commercial HZSM-5 zeolite with iron impurities: An UV Raman study. <i>Comptes Rendus Chimie</i> , 2008 , 11, 114-119	2.7	7
24	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	9.6	7
23	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	5.5	7
22	Conversion of CO ₂ to formic acid by integrated all-solar-driven artificial photosynthetic system. <i>Journal of Power Sources</i> , 2021 , 512, 230532	8.9	7
21	Green synthesis of red-emission carbon based dots by microbial fermentation. <i>New Journal of Chemistry</i> , 2018 , 42, 8591-8595	3.6	6
20	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	3.7	6
19	Crystalline Covalent Organic Frameworks with Tailored Linkages for Photocatalytic H Evolution. <i>ChemSusChem</i> , 2021 , 14, 4958-4972	8.3	6
18	Plasmonic Electrons-Driven Solar-to-Hydrocarbon Conversion over Au NR@ZnO Core-Shell Nanostructures. <i>ChemCatChem</i> , 2020 , 12, 2989-2994	5.2	5
17	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
16	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	8.3	5
15	Freestanding N-doped graphene membrane electrode with interconnected porous architecture for efficient capacitive deionization. <i>Carbon</i> , 2022 , 187, 86-96	10.4	4
14	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
13	Enhanced bacterial disinfection by CuI-BiOI/rGO hydrogel under visible light irradiation.. <i>RSC Advances</i> , 2021 , 11, 20446-20456	3.7	4
12	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	21.8	4
11	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	12.8	4

10	Metal-Free Photocatalysts C ₃ N ₃ S ₃ and its Polymers: Solubility in Water and Application in Benzylic Alcohols Oxidation Under Visible Light. <i>Nano</i> , 2017 , 12, 1750101	1.1	2
9	Solar-to-Chemical Fuel Conversion via Metal Halide Perovskite Solar-Driven Electrocatalysis.. <i>Journal of Physical Chemistry Letters</i> , 2021 , 25-41	6.4	2
8	Q-switching Yb: YAG lasers based on plasmon resonance nonlinearities of CuSe@CuS nanorods. <i>Optics Letters</i> , 2017 , 42, 2619-2622	3	1
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	Site-Sensitive Selective CO Photoreduction to CO over Gold Nanoparticles.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202204563	16.4	1
5	Lamellar MXene Nanofiltration Membranes for Electrostatic Modulation of Molecular Permeation: Implications for Fine Separation. <i>ACS Applied Nano Materials</i> , 2022 , 5, 7373-7381	5.6	1
4	In-situ Formed Surface Complexes Promoting NIR-Light-Driven Carbonylation of Diamine with CO on Ultrathin Co ₂ CO ₃ (OH) ₂ Nanosheets. <i>Applied Catalysis B: Environmental</i> , 2022 , 306, 121103	21.8	0
3	The Hole-Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 16145-16154	3.6	0
2	Photoelectrochemical reduction of carbon dioxide 2021 , 197-210		
1	AuPd Nanoparticles Decorated Ultrathin Bi ₂ TiO ₄ F ₂ Sheets for Photocatalytic Methane Oxidation. <i>New Journal of Chemistry</i> ,	3.6	