Xin Li

List of Publications by Year in Descending Order

158 papers	32,048 citations	67 h-index	166 g-index
166 ext. papers	37,459 ext. citations	9.5 avg, IF	7.77 L-index

#	Paper	IF	Citations
158	Integration of 2D layered CdS/WO3 S-scheme heterojunctions and metallic Ti3C2 MXene-based Ohmic junctions for effective photocatalytic H2 generation. *Chinese Journal of Catalysis*, **2022**, 43, 359-369	11.3	25
157	Tracking charge transfer pathways in SrTiO3/CoP/Mo2C nanofibers for enhanced photocatalytic solar fuel production. *Chinese Journal of Catalysis*, **2022**, 43, 507-518	11.3	4
156	A review on heterogeneous photocatalysis for environmental remediation: From semiconductors to modification strategies. *Chinese Journal of Catalysis*, **2022**, 43, 178-214	11.3	45
155	Hydrodeoxygenation of non-edible bio-lipids to renewable hydrocarbons over mesoporous SiO2-TiO2 supported NiMo bimetallic catalyst. *Applied Catalysis A: General*, **2022**, 633, 118475	5.1	0
154	Regulating interfacial morphology and charge-carrier utilization of Ti3C2 modified all-sulfide CdS/ZnIn2S4 S-scheme heterojunctions for effective photocatalytic H2 evolution. *Journal of Materials Science and Technology*, **2022**, 112, 85-95	9.1	8
153	Enhanced photocatalytic H2 evolution based on a Ti3C2/Zn0.7Cd0.3S/Fe2O3 Ohmic/S-scheme hybrid heterojunction with cascade 2D coupling interfaces. *Chemical Engineering Journal*, **2022**, 429, 132587	14.7	37
152	Facile fabrication of TaON/Bi2MoO6 core□shell S-scheme heterojunction nanofibers for boosting visible-light catalytic levofloxacin degradation and Cr(VI) reduction. *Chemical Engineering Journal*, **2022**, 428, 131158	14.7	83
151	Heterogeneous Photocatalytic Activation of Persulfate for the Removal of Organic Contaminants in Water: A Critical Review. *ACS ES&T Engineering*, **2022**, 2, 527-546		5
150	Sulfur-doped g-C3N4/g-C3N4 isotype step-scheme heterojunction for photocatalytic H2 evolution. *Journal of Materials Science and Technology*, **2022**, 118, 15-24	9.1	5
149	ZnWO4-ZnIn2S4 S-scheme heterojunction for enhanced photocatalytic H2 evolution. *Journal of Materials Science and Technology*, **2022**, 122, 231-242	9.1	4
148	Rationally designed Ta3N5/BiOCl S-scheme heterojunction with oxygen vacancies for elimination of tetracycline antibiotic and Cr(VI): Performance, toxicity evaluation and mechanism insight. *Journal of Materials Science and Technology*, **2022**, 123, 177-190	9.1	15
147	Boosting bio-lipids deoxygenation via tunable metal-support interaction in nickel/ceria-based catalysts. *Fuel*, **2022**, 322, 124027	7.1	0
146	Charge transfer and orbital reconstruction of non-noble transition metal single-atoms anchored on Ti2CT -MXenes for highly selective CO2 electrochemical reduction. *Chinese Journal of Catalysis*, **2022**, 43, 1906-1917	11.3	6
145	Branch-like Cd Zn1-Se/Cu2O@Cu step-scheme heterojunction for CO2 photoreduction. *Materials Today Physics*, **2022**, 26, 100729	8	5
144	Full spectrum ultra-wideband absorber with stacked round hole disks. *Optik*, **2021**, 168297	2.5	2
143	Synthesis BiVO4 modified by CuO supported onto bentonite for molecular oxygen photocatalytic oxidative desulfurization of fuel under visible light. *Fuel*, **2021**, 290, 120066	7.1	15
142	Tracking S-Scheme Charge Transfer Pathways in Mo2C/CdS H2-Evolution Photocatalysts. *Solar Rrl*, **2021**, 5, 2100177	7.1	46

141	Rational design of Z-scheme Bi12O17Cl2/plasmonic Ag/anoxic TiO2 composites for efficient visible light photocatalysis. *Powder Technology*, **2021**, 384, 342-352	5.2	5
140	Hydrogenated Oxide as Novel Quasi-metallic Cocatalyst for Efficient Visible-Light Driven Photocatalytic Water Splitting. *Journal of Physical Chemistry C*, **2021**, 125, 12672-12681	3.8	3
139	Engineering 2D multi-hetero-interface in the well-designed nanosheet composite photocatalyst with broad electron-transfer channels for highly-efficient solar-to-fuels conversion. *Applied Catalysis B: Environmental*, **2021**, 286, 119944	21.8	10
138	Fabricating intramolecular donor-acceptor system via covalent bonding of carbazole to carbon nitride for excellent photocatalytic performance towards CO conversion. *Journal of Colloid and Interface Science*, **2021**, 594, 550-560	9.3	7
137	Constructing low-cost Ni3C/twin-crystal Zn0.5Cd0.5S heterojunction/homojunction nanohybrids for efficient photocatalytic H2 evolution. *Chinese Journal of Catalysis*, **2021**, 42, 25-36	11.3	126
136	Carbon-Graphitic Carbon Nitride Hybrids for Heterogeneous Photocatalysis. *Small*, **2021**, 17, e2005231	11	37
135	A new heterojunction in photocatalysis: S-scheme heterojunction. *Chinese Journal of Catalysis*, **2021** , 42, 667-669	11.3	115
134	Design of metal-organic frameworks (MOFs)-based photocatalyst for solar fuel production and photo-degradation of pollutants. *Chinese Journal of Catalysis*, **2021**, 42, 872-903	11.3	22
133	State-of-the-art recent progress in MXene-based photocatalysts: a comprehensive review. *Nanoscale*, **2021**, 13, 9463-9504	7.7	31
132	In-situ construction of metallic Ni3C@Ni core–shell cocatalysts over g-C3N4 nanosheets for shell-thickness-dependent photocatalytic H2 production. *Applied Catalysis B: Environmental*, **2021**, 291, 120104	21.8	96
131	Smartphone-based photoelectrochemical biosensing system with graphitic carbon nitride/gold nanoparticles modified electrodes for matrix metalloproteinase-2 detection. *Biosensors and Bioelectronics*, **2021**, 193, 113572	11.8	8
130	G-C3N4 quantum dots and Au nano particles co-modified CeO2/Fe3O4 micro-flowers photocatalyst for enhanced CO2 photoreduction. *Renewable Energy*, **2021**, 179, 756-765	8.1	6
129	Electrochemical and optical biosensors based on multifunctional MXene nanoplatforms: Progress and prospects. *Talanta*, **2021**, 235, 122726	6.2	12
128	Urea-induced supramolecular self-assembly strategy to synthesize wrinkled porous carbon nitride nanosheets for highly-efficient visible-light photocatalytic degradation.. *RSC Advances*, **2021**, 11, 23459-23470	3.7	2
127	Constructed Z-Scheme g-CN/AgVO/rGO Photocatalysts with Multi-interfacial Electron-Transfer Paths for High Photoreduction of CO. *Inorganic Chemistry*, **2021**, 60, 1755-1766	5.1	14
126	Design and application of active sites in g-C3N4-based photocatalysts. *Journal of Materials Science and Technology*, **2020**, 56, 69-88	9.1	108
125	A review on 2D MoS2 cocatalysts in photocatalytic H2 production. *Journal of Materials Science and Technology*, **2020**, 56, 89-121	9.1	182
124	Enhancement of photocatalytic NO removal activity of g-C3N4 by modification with illite particles. *Environmental Science: Nano*, **2020**, 7, 1990-1998	7.1	9

123	Strongly coupled 2D-2D nanojunctions between P-doped Ni2S (Ni2SP) cocatalysts and CdS nanosheets for efficient photocatalytic H2 evolution. *Chemical Engineering Journal*, **2020**, 390, 124496	14.7	115
122	Porous graphitic carbon nitride for solar photocatalytic applications. *Nanoscale Horizons*, **2020**, 5, 765-786	10.8	79
121	Principle and surface science of photocatalysis. *Interface Science and Technology*, **2020**, 31, 1-38	2.3	7
120	Hierarchical porous photocatalysts. *Interface Science and Technology*, **2020**, 63-102	2.3	2
119	Constructing 1D/2D Schottky-Based Heterojunctions between Mn0.2Cd0.8S Nanorods and Ti3C2 Nanosheets for Boosted Photocatalytic H2 Evolution. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2010059-0	3.8	23
118	In Situ Fabrication of Robust Cocatalyst-Free CdS/g-C3N4 2D□2D Step-Scheme Heterojunctions for Highly Active H2 Evolution. *Solar Rrl*, **2020**, 4, 1900423	7.1	102
117	Fabrication of hierarchical copper sulfide/bismuth tungstate p-n heterojunction with two-dimensional (2D) interfacial coupling for enhanced visible-light photocatalytic degradation of glyphosate. *Journal of Colloid and Interface Science*, **2020**, 560, 293-302	9.3	30
116	Integrating 2D/2D CdS/□Fe2O3 ultrathin bilayer Z-scheme heterojunction with metallic □NiS nanosheet-based ohmic-junction for efficient photocatalytic H2 evolution. *Applied Catalysis B: Environmental*, **2020**, 266, 118619	21.8	114
115	Highly efficient visible-light photocatalytic H2 evolution over 2D□2D CdS/Cu7S4 layered heterojunctions. *Chinese Journal of Catalysis*, **2020**, 41, 31-40	11.3	107
114	Nanostructured CdS for efficient photocatalytic H2 evolution: A review. *Science China Materials*, **2020**, 63, 2153-2188	7.1	131
113	Ultrahigh nitrogen-doped carbon/superfine-Sn particles for lithium ion battery anode. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 22224-22238	2.1	4
112	Synthesized Z-scheme photocatalyst ZnO/g-C3N4 for enhanced photocatalytic reduction of CO2. *New Journal of Chemistry*, **2020**, 44, 16390-16399	3.6	14
111	Construction of a multi-interfacial-electron transfer scheme for efficient CO2 photoreduction: a case study using CdIn2S4 micro-flower spheres modified with Au nanoparticles and reduced graphene oxide. *Journal of Materials Chemistry A*, **2020**, 8, 18707-18714	13	39
110	Surface and interface modification strategies of CdS-based photocatalysts. *Interface Science and Technology*, **2020**, 313-348	2.3	5
109	One-pot synthesis of ZnS nanowires/CuS nanoparticles/reduced graphene oxide nanocomposites for supercapacitor and photocatalysis applications. *Dalton Transactions*, **2019**, 48, 2442-2454	4.3	35
108	Improved charge transfer by size-dependent plasmonic Au on C3N4 for efficient photocatalytic oxidation of RhB and CO2 reduction. *Chinese Journal of Catalysis*, **2019**, 40, 928-939	11.3	74
107	Graphitied carbon-coated bimetallic FeCu nanoparticles as original g-C3N4 cocatalysts for improving photocatalystic activity. *Applied Surface Science*, **2019**, 492, 571-578	6.7	24
106	Physically Close yet Chemically Separate Reduction and Oxidation Sites in Double-Walled Nanotubes for Photocatalytic Hydrogen Generation. *Journal of Physical Chemistry Letters*, **2019**, 10, 3739-3743	6.4	6

105	Two-Dimensional Transition Metal MXene-Based Photocatalysts for Solar Fuel Generation. *Journal of Physical Chemistry Letters*, **2019**, 10, 3488-3494	6.4	125
104	Molecularly imprinted Ag/AgVO/g-CN Z-scheme photocatalysts for enhanced preferential removal of tetracycline. *Journal of Colloid and Interface Science*, **2019**, 552, 271-286	9.3	60
103	Single-crystalline melem (C6N10H6) nanorods: a novel stable molecular crystal photocatalyst with modulated charge potentials and dynamics. *Journal of Materials Chemistry A*, **2019**, 7, 13234-13241	13	11
102	BiVO4/TiO2 heterojunction with enhanced photocatalytic activities and photoelectochemistry performances under visible light illumination. *Materials Research Bulletin*, **2019**, 117, 35-40	5.1	41
101	Photocatalytic Hydrogen Production over CdS Nanomaterials: An Interdisciplinary Experiment for Introducing Undergraduate Students to Photocatalysis and Analytical Chemistry. *Journal of Chemical Education*, **2019**, 96, 1224-1229	2.4	21
100	Facile preparation of bioactive nanoparticle/poly(□caprolactone) hierarchical porous scaffolds via 3D printing of high internal phase Pickering emulsions. *Journal of Colloid and Interface Science*, **2019**, 545, 104-115	9.3	51
99	Ni-based photocatalytic H2-production cocatalysts2. *Chinese Journal of Catalysis*, **2019**, 40, 240-288	11.3	173
98	Highly active and selective hydrodeoxygenation of oleic acid to second generation bio-diesel over SiO2-supported CoxNi1□P catalysts. *Fuel*, **2019**, 247, 26-35	7.1	17
97	Engineering MPx (M = Fe, Co or Ni) interface electron transfer channels for boosting photocatalytic H2 evolution over g-C3N4/MoS2 layered heterojunctions. *Applied Catalysis B: Environmental*, **2019**, 252, 250-259	21.8	112
96	Fabricated rGO-modified AgS nanoparticles/g-CN nanosheets photocatalyst for enhancing photocatalytic activity. *Journal of Colloid and Interface Science*, **2019**, 554, 468-478	9.3	53
95	Cocatalysts for Selective Photoreduction of CO into Solar Fuels. *Chemical Reviews*, **2019**, 119, 3962-4179	68.1	965
94	Carbon Nanotube-Supported Cu3P as High-Efficiency and Low-Cost Cocatalysts for Exceptional Semiconductor-Free Photocatalytic H2 Evolution. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3243-3250	8.3	68
93	Surface and interface engineering of hierarchical photocatalysts. *Applied Surface Science*, **2019**, 471, 43-87	6.7	135
92	Co1.4Ni0.6P cocatalysts modified metallic carbon black/g-C3N4 nanosheet Schottky heterojunctions for active and durable photocatalytic H2 production. *Applied Surface Science*, **2019**, 466, 393-400	6.7	94
91	Carbon-coated Cu-TiO2 nanocomposite with enhanced photostability and photocatalytic activity. *Applied Surface Science*, **2019**, 466, 254-261	6.7	40
90	Enhancing enzymatic hydrolysis of sugarcane bagasse by ferric chloride catalyzed organosolv pretreatment and Tween 80. *Bioresource Technology*, **2018**, 258, 295-301	11	44
89	Fabrication of sustained-release and antibacterial citronella oil-loaded composite microcapsules based on Pickering emulsion templates. *Journal of Applied Polymer Science*, **2018**, 135, 46386	2.9	12
88	Bridging the g-C3N4 Nanosheets and Robust CuS Cocatalysts by Metallic Acetylene Black Interface Mediators for Active and Durable Photocatalytic H2 Production. *ACS Applied Energy Materials*, **2018**, 1, 2232-2241	6.1	64

87	Noble-metal-free Ni3C cocatalysts decorated CdS nanosheets for high-efficiency visible-light-driven photocatalytic H2 evolution. *Applied Catalysis B: Environmental*, **2018**, 227, 218-228	21.8	190
86	Bifunctional Cu3P Decorated g-C3N4 Nanosheets as a Highly Active and Robust Visible-Light Photocatalyst for H2 Production. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4026-4036	8.3	189
85	Remarkable positive effect of Cd(OH)2 on CdS semiconductor for visible-light photocatalytic H2 production. *Applied Catalysis B: Environmental*, **2018**, 229, 8-14	21.8	56
84	Intensive photocatalytic activity enhancement of Bi5O7I via coupling with band structure and content adjustable BiOBrxI1□. *Science Bulletin*, **2018**, 63, 219-227	10.6	32
83	Graphene-based heterojunction photocatalysts. *Applied Surface Science*, **2018**, 430, 53-107	6.7	293
82	In situ one-pot fabrication of g-C 3 N 4 nanosheets/NiS cocatalyst heterojunction with intimate interfaces for efficient visible light photocatalytic H 2 generation. *Applied Surface Science*, **2018**, 430, 208-217	6.7	172
81	Facile preparation of biocompatible poly(l-lactic acid)-modified halloysite nanotubes/poly(□caprolactone) porous scaffolds by solvent evaporation of Pickering emulsion templates. *Journal of Materials Science*, **2018**, 53, 14774-14788	4.3	13
80	Redox shuttle enhances nonthermal femtosecond two-photon self-doping of rGO□TiO2□ photocatalysts under visible light. *Journal of Materials Chemistry A*, **2018**, 6, 16430-16438	13	20
79	Graphitic carbon nitride nanosheets for microwave absorption. *Materials Today Physics*, **2018**, 5, 78-86	8	95
78	Effects of ferric chloride pretreatment and surfactants on the sugar production from sugarcane bagasse. *Bioresource Technology*, **2018**, 265, 93-101	11	27
77	Enhanced Solar Fuel H2 Generation over g-C3N4 Nanosheet Photocatalysts by the Synergetic Effect of Noble Metal-Free Co2P Cocatalyst and the Environmental Phosphorylation Strategy. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 816-826	8.3	170
76	Heterogeneous sulfur-free hydrodeoxygenation catalysts for selectively upgrading the renewable bio-oils to second generation biofuels. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 3762-3797	16.2	108
75	Review on design and evaluation of environmental photocatalysts. *Frontiers of Environmental Science and Engineering*, **2018**, 12, 1	5.8	131
74	Encapsulation of Ni3Fe Nanoparticles in N-Doped Carbon Nanotube□Grafted Carbon Nanofibers as High-Efficiency Hydrogen Evolution Electrocatalysts. *Advanced Functional Materials*, **2018**, 28, 1805828	15.6	124
73	Low-Cost Ni3B/Ni(OH)2 as an Ecofriendly Hybrid Cocatalyst for Remarkably Boosting Photocatalytic H2 Production over g-C3N4 Nanosheets. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 13140-13150	8.3	101
72	Multi-functional Ni3C cocatalyst/g-C3N4 nanoheterojunctions for robust photocatalytic H2 evolution under visible light. *Journal of Materials Chemistry A*, **2018**, 6, 13110-13122	13	190
71	A review on g-C 3 N 4 -based photocatalysts. *Applied Surface Science*, **2017**, 391, 72-123	6.7	1687
70	Fabricating the Robust g-C3N4 Nanosheets/Carbons/NiS Multiple Heterojunctions for Enhanced Photocatalytic H2 Generation: An Insight into the Trifunctional Roles of Nanocarbons. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 2224-2236	8.3	180

69	Highly enhanced photocatalytic degradation of methylene blue over the indirect all-solid-state Z-scheme g-C3N4-RGO-TiO2 nanoheterojunctions. *Applied Surface Science*, **2017**, 405, 60-70	6.7	276
68	Enhanced enzymatic hydrolysis of sugarcane bagasse with ferric chloride pretreatment and surfactant. *Bioresource Technology*, **2017**, 229, 96-103	11	52
67	Synthesis, properties, and applications of black titanium dioxide nanomaterials. *Science Bulletin*, **2017**, 62, 431-441	10.6	92
66	Earth-abundant WC nanoparticles as an active noble-metal-free co-catalyst for the highly boosted photocatalytic H2 production over g-C3N4 nanosheets under visible light. *Catalysis Science and Technology*, **2017**, 7, 1193-1202	5.5	92
65	Synthesis of porous ZnS, ZnO and ZnS/ZnO nanosheets and their photocatalytic properties. *RSC Advances*, **2017**, 7, 30956-30962	3.7	61
64	Constructing Multifunctional Metallic Ni Interface Layers in the g-CN Nanosheets/Amorphous NiS Heterojunctions for Efficient Photocatalytic H Generation. *ACS Applied Materials & Interfaces*, **2017**, 9, 14031-14042	9.5	256
63	Enhanced visible light photocatalytic H 2 production over Z-scheme g-C 3 N 4 nansheets/WO 3 nanorods nanocomposites loaded with Ni(OH) x cocatalysts. *Chinese Journal of Catalysis*, **2017**, 38, 240-252	11.3	211
62	Electrodeposition of Cu2O/g-C3N4 heterojunction film on an FTO substrate for enhancing visible light photoelectrochemical water splitting. *Chinese Journal of Catalysis*, **2017**, 38, 365-371	11.3	36
61	Facile Construction of Dual p-n Junctions in CdS/CuO/ZnO Photoanode with Enhanced Charge Carrier Separation and Transfer Ability. *ACS Omega*, **2017**, 2, 852-863	3.9	46
60	Markedly enhanced visible-light photocatalytic H generation over g-CN nanosheets decorated by robust nickel phosphide (NiP) cocatalysts. *Dalton Transactions*, **2017**, 46, 1794-1802	4.3	102
59	Constructing 2D layered hybrid CdS nanosheets/MoS2 heterojunctions for enhanced visible-light photocatalytic H2 generation. *Applied Surface Science*, **2017**, 391, 580-591	6.7	245
58	Heterostructured CoO/3D-TiO2 nanorod arrays for photoelectrochemical water splitting hydrogen production. *Journal of Solid State Electrochemistry*, **2017**, 21, 455-461	2.6	23
57	Design and preparation of CdS/H-3D-TiO2/Pt-wire photocatalysis system with enhanced visible-light driven H2 evolution. *International Journal of Hydrogen Energy*, **2017**, 42, 928-937	6.7	32
56	Improved visible-light photocatalytic H 2 generation over CdS nanosheets decorated by NiS 2 and metallic carbon black as dual earth-abundant cocatalysts. *Chinese Journal of Catalysis*, **2017**, 38, 1970-1980	11.3	111
55	Graphene in Photocatalysis: A Review. *Small*, **2016**, 12, 6640-6696	11	605
54	One-pot hydrothermal synthesis of SrTiO3-reduced graphene oxide composites with enhanced photocatalytic activity for hydrogen production. *Journal of Molecular Catalysis A*, **2016**, 423, 70-76		50
53	Sandwich-like mesoporous graphene@magnetite@carbon nanosheets for high-rate lithium ion batteries. *Solid State Sciences*, **2016**, 57, 16-23	3.4	6
52	Preparation of W and N, S-codoped titanium dioxide with enhanced photocatalytic activity under visible light irradiation. *Materials Research Bulletin*, **2016**, 76, 72-78	5.1	12

51	Visible-light induced photocatalytic oxidative desulfurization using BiVO4/C3N4@SiO2 with air/cumene hydroperoxide under ambient conditions. *Applied Catalysis B: Environmental*, **2016**, 192, 72-79	21.8	76
50	Hierarchical photocatalysts. *Chemical Society Reviews*, **2016**, 45, 2603-36	58.5	1216
49	Water Splitting By Photocatalytic Reduction. *Green Chemistry and Sustainable Technology*, **2016**, 175-210	1.1	1
48	Photocatalytic Reduction of CO2Using TiO2-Graphene Nanocomposites. *Journal of Nanomaterials*, **2016**, 2016, 1-5	3.2	10
47	Efficient visible-light photocatalytic H2 evolution over metal-free g-C3N4 co-modified with robust acetylene black and Ni(OH)2 as dual co-catalysts. *RSC Advances*, **2016**, 6, 31497-31506	3.7	85
46	Magnetic fluids□tability improved by oleic acid bilayer-coated structure via one-pot synthesis. *Chemical Papers*, **2016**, 70,	1.9	8
45	Metal-free carbon nanotube□SiC nanowire heterostructures with enhanced photocatalytic H2 evolution under visible light irradiation. *Catalysis Science and Technology*, **2015**, 5, 2798-2806	5.5	67
44	Enhanced photocatalytic H2 evolution over noble-metal-free NiS cocatalyst modified CdS nanorods/g-C3N4 heterojunctions. *Journal of Materials Chemistry A*, **2015**, 3, 18244-18255	13	265
43	Hydrothermal synthesis of FeWO4-graphene composites and their photocatalytic activities under visible light. *Applied Surface Science*, **2015**, 351, 474-479	6.7	51
42	A Graphene-like Oxygenated Carbon Nitride Material for Improved Cycle-Life Lithium/Sulfur Batteries. *Nano Letters*, **2015**, 15, 5137-42	11.5	314
41	Facilitating the enzymatic saccharification of pulped bamboo residues by degrading the remained xylan and lignin-carbohydrates complexes. *Bioresource Technology*, **2015**, 192, 471-7	11	44
40	CdS/Graphene Nanocomposite Photocatalysts. *Advanced Energy Materials*, **2015**, 5, 1500010	21.8	584
39	Ultra-thin SiC layer covered graphene nanosheets as advanced photocatalysts for hydrogen evolution. *Journal of Materials Chemistry A*, **2015**, 3, 10999-11005	13	65
38	Reduced Graphene Oxide-Modified Carbon Nanotube/Polyimide Film Supported MoS2 Nanoparticles for Electrocatalytic Hydrogen Evolution. *Advanced Functional Materials*, **2015**, 25, 2693-2700	15.6	99
37	Enhanced photocatalytic degradation and adsorption of methylene blue via TiO2 nanocrystals supported on graphene-like bamboo charcoal. *Applied Surface Science*, **2015**, 358, 425-435	6.7	90
36	Earth-abundant NiS co-catalyst modified metal-free mpg-C3N4/CNT nanocomposites for highly efficient visible-light photocatalytic H2 evolution. *Dalton Transactions*, **2015**, 44, 18260-9	4.3	102
35	Enhanced visible-light H2 evolution of g-C3N4 photocatalysts via the synergetic effect of amorphous NiS and cheap metal-free carbon black nanoparticles as co-catalysts. *Applied Surface Science*, **2015**, 358, 204-212	6.7	176
34	Engineering heterogeneous semiconductors for solar water splitting. *Journal of Materials Chemistry A*, **2015**, 3, 2485-2534	13	1271

33	Photocatalysis fundamentals and surface modification of TiO2 nanomaterials. *Chinese Journal of Catalysis*, **2015**, 36, 2049-2070	11.3	383
32	Amorphous Co□□modified CdS nanorods with enhanced visible-light photocatalytic H□production activity. *Dalton Transactions*, **2015**, 44, 1680-9	4.3	177
31	C60-decorated CdS/TiO2 mesoporous architectures with enhanced photostability and photocatalytic activity for H2 evolution. *ACS Applied Materials & Interfaces*, **2015**, 7, 4533-40	9.5	126
30	Synthesis and visible light photocatalytic behavior of WO3 (core)/Bi2WO6 (shell). *Journal of Molecular Catalysis A*, **2014**, 385, 106-111		60
29	Facile synthesis of oil-soluble Fe3O4 nanoparticles based on a phase transfer mechanism. *Applied Surface Science*, **2014**, 307, 306-310	6.7	22
28	Synthesis of yolk/shell Fe3O4□polydopamine□graphene□Pt nanocomposite with high electrocatalytic activity for fuel cells. *Journal of Power Sources*, **2014**, 246, 868-875	8.9	30
27	Topological morphology conversion towards SnO2/SiC hollow sphere nanochains with efficient photocatalytic hydrogen evolution. *Chemical Communications*, **2014**, 50, 1070-3	5.8	31
26	Synthesis and photoactivity of nanostructured CdS□TiO2 composite catalysts. *Catalysis Today*, **2014**, 225, 64-73	5.3	146
25	Rational construction of strongly coupled metal-metal oxide-graphene nanostructure with excellent electrocatalytic activity and durability. *ACS Applied Materials & Interfaces*, **2014**, 6, 10258-64	8.5	55
24	Design and fabrication of semiconductor photocatalyst for photocatalytic reduction of CO2 to solar fuel. *Science China Materials*, **2014**, 57, 70-100	7.1	350
23	Novel 3-D nanoporous graphitic-C3N4 nanosheets with heterostructured modification for efficient visible-light photocatalytic hydrogen production. *RSC Advances*, **2014**, 4, 52332-52337	3.7	15
22	Hydrothermal synthesis and characterization of novel PbWO4 microspheres with hierarchical nanostructures and enhanced photocatalytic performance in dye degradation. *Chemical Engineering Journal*, **2013**, 219, 86-95	14.7	60
21	Synthesis and characterization of Ag/TiO2-B nanosquares with high photocatalytic activity under visible light irradiation. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2013**, 178, 344-348	3.1	41
20	Copper(II) imidazolate frameworks as highly efficient photocatalysts for reduction of CO2 into methanol under visible light irradiation. *Journal of Solid State Chemistry*, **2013**, 203, 154-159	3.3	58
19	Route to Mesoporous TiO2/Graphitic Carbon Microspheres for Photocatalytic Reduction of CO2 under Simulated Solar Irradiation. *ECS Solid State Letters*, **2013**, 2, M49-M52		8
18	Adsorption of water vapor onto and its electrothermal desorption from activated carbons with different electric conductivities. *Separation and Purification Technology*, **2012**, 85, 77-82	8.3	13
17	Intersubunit Electron Transfer (IET) in Quantum Dots/Graphene Complex: What Features Does IET Endow the Complex with?. *Journal of Physical Chemistry C*, **2012**, 116, 15833-15838	3.8	25
16	Adsorption of CO2 on heterostructure CdS(Bi2S3)/TiO2 nanotube photocatalysts and their photocatalytic activities in the reduction of CO2 to methanol under visible light irradiation. *Chemical Engineering Journal*, **2012**, 180, 151-158	14.7	265

15	Catalytic oxidation of toluene over copper and manganese based catalysts: Effect of water vapor. *Catalysis Communications*, **2011**, 14, 15-19	3.2	73
14	Photocatalytic reduction of carbon dioxide to methanol by Cu2O/SiC nanocrystallite under visible light irradiation. *Journal of Natural Gas Chemistry*, **2011**, 20, 145-150		109
13	Photoreduction of CO2 to methanol over Bi2S3/CdS photocatalyst under visible light irradiation. *Journal of Natural Gas Chemistry*, **2011**, 20, 413-417		114
12	TiO2 supported on SiO2 photocatalysts prepared using ultrasonic-assisted sol-gel method. *Materials Science-Poland*, **2011**, 29, 189-194	0.6	
11	Dynamics and isotherms of water vapor sorption on mesoporous silica gels modified by different salts. *Kinetics and Catalysis*, **2010**, 51, 754-761	1.5	31
10	Adsorption Equilibrium and Desorption Activation Energy of Water Vapor on Activated Carbon Modified by an Oxidation and Reduction Treatment. *Journal of Chemical & Engineering Data*, **2010**, 55, 3164-3169	2.8	30
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