Zhaohui Li

List of Publications by Citations

201 papers	14,628 citations	64 h-index	117 g-index
211 ext. papers	16,438 ext. citations	7.4 avg, IF	7.07 L-index

#	Paper	IF	Citations
201	An amine-functionalized titanium metal-organic framework photocatalyst with visible-light-induced activity for CO2 reduction. *Angewandte Chemie - International Edition*, **2012**, 51, 3364-7	16.4	1100
200	Catalysis and photocatalysis by metal organic frameworks. *Chemical Society Reviews*, **2018**, 47, 8134-8172	38.5	751
199	Visible-Light Photoreduction of CO2 in a Metal-Organic Framework: Boosting Electron-Hole Separation via Electron Trap States. *Journal of the American Chemical Society*, **2015**, 137, 13440-3	16.4	710
198	Fe-Based MOFs for Photocatalytic CO2 Reduction: Role of Coordination Unsaturated Sites and Dual Excitation Pathways. *ACS Catalysis*, **2014**, 4, 4254-4260	13.1	549
197	Studies on photocatalytic CO(2) reduction over NH2 -Uio-66(Zr) and its derivatives: towards a better understanding of photocatalysis on metal-organic frameworks. *Chemistry - A European Journal*, **2013**, 19, 14279-85	4.8	442
196	Photocatalytic degradation of RhB over TiO2 bilayer films: effect of defects and their location. *Langmuir*, **2010**, 26, 9686-94	4	346
195	Porous LiMn2O4 as cathode material with high power and excellent cycling for aqueous rechargeable lithium batteries. *Energy and Environmental Science*, **2011**, 4, 3985	35.4	307
194	An Amine-Functionalized Titanium Metal□Organic Framework Photocatalyst with Visible-Light-Induced Activity for CO2 Reduction. *Angewandte Chemie*, **2012**, 124, 3420-3423	3.6	300
193	Relationship between oxygen defects and the photocatalytic property of ZnO nanocrystals in Nafion membranes. *Langmuir*, **2009**, 25, 1218-23	4	291
192	Visible-light-assisted aerobic photocatalytic oxidation of amines to imines over NH2-MIL-125(Ti). *Applied Catalysis B: Environmental*, **2015**, 164, 428-432	21.8	277
191	Fe-Based Metal□Organic Frameworks for Highly Selective Photocatalytic Benzene Hydroxylation to Phenol. *ACS Catalysis*, **2015**, 5, 6852-6857	13.1	271
190	Photocatalytic reforming of biomass: A systematic study of hydrogen evolution from glucose solution. *International Journal of Hydrogen Energy*, **2008**, 33, 6484-6491	6.7	264
189	Introduction of a mediator for enhancing photocatalytic performance via post-synthetic metal exchange in metal-organic frameworks (MOFs). *Chemical Communications*, **2015**, 51, 2056-9	5.8	263
188	Photocatalytic performance of □□ and □Ga2O3 for the destruction of volatile aromatic pollutants in air. *Journal of Catalysis*, **2007**, 250, 12-18	7.3	233
187	Facile one-pot solvothermal method to synthesize sheet-on-sheet reduced graphene oxide (RGO)/ZnIn2S4 nanocomposites with superior photocatalytic performance. *ACS Applied Materials & Interfaces*, **2014**, 6, 3483-90	9.5	226
186	MoS2 as non-noble-metal co-catalyst for photocatalytic hydrogen evolution over hexagonal ZnIn2S4 under visible light irradiations. *Applied Catalysis B: Environmental*, **2014**, 144, 521-527	21.8	223
185	Metal□rganic frameworks (MOFs) for photocatalytic CO2 reduction. *Catalysis Science and Technology*, **2017**, 7, 4893-4904	5.5	193

184	Noble metals can have different effects on photocatalysis over metal-organic frameworks (MOFs): a case study on M/NH□MIL-125(Ti) (M=Pt and Au). *Chemistry - A European Journal*, **2014**, 20, 4780-8	4.8	192
183	Simple solvothermal routes to synthesize nanocrystalline Bi2MoO6 photocatalysts with different morphologies. *Acta Materialia*, **2007**, 55, 4699-4705	8.4	192
182	Molecular quantum cellular automata cells. Electric field driven switching of a silicon surface bound array of vertically oriented two-dot molecular quantum cellular automata. *Journal of the American Chemical Society*, **2003**, 125, 15250-9	16.4	180
181	Multivalency iodine doped TiO2: preparation, characterization, theoretical studies, and visible-light photocatalysis. *Langmuir*, **2008**, 24, 3422-8	4	178
180	A templated method to Bi2WO6 hollow microspheres and their conversion to double-shell Bi2O3/Bi2WO6 hollow microspheres with improved photocatalytic performance. *Inorganic Chemistry*, **2012**, 51, 6245-50	5.1	172
179	A novel polyethylene terephthalate nonwoven separator based on electrospinning technique for lithium ion battery. *Journal of Membrane Science*, **2013**, 428, 11-16	9.6	166
178	Rapid preparation of Bi2WO6 photocatalyst with nanosheet morphology via microwave-assisted solvothermal synthesis. *Catalysis Today*, **2008**, 131, 15-20	5.3	166
177	Exploring the different photocatalytic performance for dye degradations over hexagonal ZnIn2S4 microspheres and cubic ZnIn2S4 nanoparticles. *ACS Applied Materials & Interfaces*, **2012**, 4, 2273-9	9.5	158
176	Highly efficient photocatalytic H2 evolution over MoS2/CdS-TiO2 nanofibers prepared by an electrospinning mediated photodeposition method. *Applied Catalysis B: Environmental*, **2017**, 202, 374-380	21.8	155
175	Construction of a supported Ru complex on bifunctional MOF-253 for photocatalytic CO2 reduction under visible light. *Chemical Communications*, **2015**, 51, 2645-8	5.8	153
174	Mixed-Metal Strategy on Metal-Organic Frameworks (MOFs) for Functionalities Expansion: Co Substitution Induces Aerobic Oxidation of Cyclohexene over Inactive Ni-MOF-74. *Inorganic Chemistry*, **2015**, 54, 8639-43	5.1	144
173	Visible Light Induced Organic Transformations Using Metal-Organic-Frameworks (MOFs). *Chemistry - A European Journal*, **2017**, 23, 11189-11209	4.8	143
172	Photocatalytic performance of tetragonal and cubic □In2S3 for the water splitting under visible light irradiation. *Applied Catalysis B: Environmental*, **2010**, 95, 393-399	21.8	141
171	Double-Solvent Method to Pd Nanoclusters Encapsulated inside the Cavity of NH2□io-66(Zr) for Efficient Visible-Light-Promoted Suzuki Coupling Reaction. *Journal of Physical Chemistry C*, **2016**, 120, 19744-19750	3.8	136
170	Solvothermal preparation, electronic structure and photocatalytic properties of PbMoO4 and SrMoO4. *Applied Catalysis B: Environmental*, **2009**, 91, 135-143	21.8	133
169	Controlled syntheses of cubic and hexagonal ZnIn2S4 nanostructures with different visible-light photocatalytic performance. *Dalton Transactions*, **2011**, 40, 2607-13	4.3	127
168	Self-assembly of CPO-27-Mg/TiO2 nanocomposite with enhanced performance for photocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2016**, 183, 47-52	21.8	115
167	Bi-functional NH2-MIL-101(Fe) for one-pot tandem photo-oxidation/Knoevenagel condensation between aromatic alcohols and active methylene compounds. *Catalysis Science and Technology*, **2015**, 5, 1623-1628	5.5	114

166	Wide Band Gap p-Block Metal Oxyhydroxide InOOH: A New Durable Photocatalyst for Benzene Degradation. *Journal of Physical Chemistry C*, **2007**, 111, 18348-18352	3.8	109
165	Hydroxide ZnSn(OH)6: A promising new photocatalyst for benzene degradation. *Applied Catalysis B: Environmental*, **2009**, 91, 67-72	21.8	105
164	Self-Assembly of Semiconductor Nanoparticles/Reduced Graphene Oxide (RGO) Composite Aerogels for Enhanced Photocatalytic Performance and Facile Recycling in Aqueous Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 277-282	8.3	103
163	Coupling MOF-based photocatalysis with Pd catalysis over Pd@MIL-100(Fe) for efficient N-alkylation of amines with alcohols under visible light. *Journal of Catalysis*, **2016**, 342, 151-157	7.3	97
162	Reduction degree of reduced graphene oxide (RGO) dependence of photocatalytic hydrogen evolution performance over RGO/ZnIn2S4 nanocomposites. *Catalysis Science and Technology*, **2013**, 3, 1712	5.5	97
161	In situ IR study of surface hydroxyl species of dehydrated TiO2: towards understanding pivotal surface processes of TiO2 photocatalytic oxidation of toluene. *Physical Chemistry Chemical Physics*, **2012**, 14, 9468-74	3.6	97
160	TiO2/RGO composite aerogels with controllable and continuously tunable surface wettability for varied aqueous photocatalysis. *Applied Catalysis B: Environmental*, **2015**, 174-175, 421-426	21.8	91
159	Rapid microwave-assisted syntheses of reduced graphene oxide (RGO)/ZnIn2S4 microspheres as superior noble-metal-free photocatalyst for hydrogen evolutions under visible light. *Applied Catalysis B: Environmental*, **2014**, 160-161, 552-557	21.8	89
158	Visible light-induced photocatalytic activity of delafossite AgMO2 (M = Al, Ga, In) prepared via a hydrothermal method. *Applied Catalysis B: Environmental*, **2009**, 89, 551-556	21.8	88
157	Efficient photocatalytic degradation of volatile organic compounds by porous indium hydroxide nanocrystals. *Environmental Science & Technology*, **2010**, 44, 1380-5	10.3	87
156	Research on a gel polymer electrolyte for Li-ion batteries. *Pure and Applied Chemistry*, **2008**, 80, 2553-2563	2.1	86
155	One-pot self-assembly of Cu2O/RGO composite aerogel for aqueous photocatalysis. *Applied Surface Science*, **2015**, 358, 146-151	6.7	81
154	Cu(II)-and Co(II)-containing metal□organic frameworks (MOFs) as catalysts for cyclohexene oxidation with oxygen under solvent-free conditions. *RSC Advances*, **2012**, 2, 3309	3.7	80
153	Ti as Mediator in the Photoinduced Electron Transfer of Mixed-Metal NH2□iO-66(Zr/Ti): Transient Absorption Spectroscopy Study and Application in Photovoltaic Cell. *Journal of Physical Chemistry C* , **2017**, 121, 7015-7024	3.8	78
152	Template-free hydrothermal synthesis and photocatalytic performances of novel Bi2SiO5 nanosheets. *Inorganic Chemistry*, **2009**, 48, 9072-6	5.1	77
151	Facile synthesis of nanocrystalline zinc ferrite via a self-propagating combustion method. *Materials Letters*, **2007**, 61, 347-350	3.3	77
150	Catalytic role of Cu sites of Cu/MCM-41 in phenol hydroxylation. *Langmuir*, **2010**, 26, 1362-71	4	75
149	A facile microwave solvothermal process to synthesize ZnWO4 nanoparticles. *Journal of Alloys and Compounds*, **2009**, 480, 684-688	5.7	73

148	From Mixed-Metal MOFs to Carbon-Coated Core-Shell Metal Alloy@Metal Oxide Solid Solutions: Transformation of Co/Ni-MOF-74 to CoNi@CoNiO@C for the Oxygen Evolution Reaction. *Inorganic Chemistry*, **2017**, 56, 5203-5209	5.1	71
147	Chlorine-radical-mediated photocatalytic activation of C-H bonds with visible light. *Angewandte Chemie - International Edition*, **2013**, 52, 1035-9	16.4	71
146	Molecular QCA cells. 1. Structure and functionalization of an unsymmetrical dinuclear mixed-valence complex for surface binding. *Inorganic Chemistry*, **2003**, 42, 5707-14	5.1	71
145	Construction of a Stable Ru-Re Hybrid System Based on Multifunctional MOF-253 for Efficient Photocatalytic CO Reduction. *Inorganic Chemistry*, **2018**, 57, 8276-8286	5.1	71
144	Studies on In(OH)ySzSolid Solutions: Syntheses, Characterizations, Electronic Structure, and Visible-Light-Driven Photocatalytic Activities. *Journal of Physical Chemistry C*, **2007**, 111, 4727-4733	3.8	70
143	CoFe2O4/C composite fibers as anode materials for lithium-ion batteries with stable and high electrochemical performance. *Solid State Ionics*, **2012**, 215, 24-28	3.3	69
142	ZnIn2S4: A Photocatalyst for the Selective Aerobic Oxidation of Amines to Imines under Visible Light. *ChemCatChem*, **2014**, 6, 2540-2543	5.2	67
141	PdAu@MIL-100(Fe) cooperatively catalyze tandem reactions between amines and alcohols for efficient N-alkyl amines syntheses under visible light. *Journal of Catalysis*, **2018**, 361, 248-254	7.3	66
140	Rational design of ternary NiS/CQDs/ZnIn2S4 nanocomposites as efficient noble-metal-free photocatalyst for hydrogen evolution under visible light. *Chinese Journal of Catalysis*, **2019**, 40, 335-342	11.3	65
139	Synthesis and electrochemical properties of Li2ZnTi3O8 fibers as an anode material for lithium-ion batteries. *Electrochimica Acta*, **2011**, 56, 5343-5346	6.7	65
138	Nanocrystalline Ternary Wide Band Gap p-Block Metal Semiconductor Sr2Sb2O7: Hydrothermal Syntheses and Photocatalytic Benzene Degradation. *Journal of Physical Chemistry C*, **2008**, 112, 5850-5855	3.8	65
137	Molecular QCA cells. 2. Characterization of an unsymmetrical dinuclear mixed-valence complex bound to a Au surface by an organic linker. *Inorganic Chemistry*, **2003**, 42, 5715-21	5.1	64
136	Orthorhombic Bi2GeO5 Nanobelts: Synthesis, Characterization, and Photocatalytic Properties. *Crystal Growth and Design*, **2009**, 9, 1775-1779	3.5	62
135	Robust Ti- and Zr-Based Metal-Organic Frameworks for Photocatalysis. *Chinese Journal of Chemistry* , **2017**, 35, 135-147	4.9	60
134	Iron-based metal□rganic frameworks (MOFs) for visible-light-induced photocatalysis. *Research on Chemical Intermediates*, **2017**, 43, 5169-5186	2.8	56
133	Characterizations and properties of Eu3+-doped ZnWO4 prepared via a facile self-propagating combustion method. *Materials Research Bulletin*, **2008**, 43, 1694-1701	5.1	56
132	Ternary Wide Band Gap p-Block Metal Semiconductor ZnGa2O4 for Photocatalytic Benzene Degradation. *Journal of Physical Chemistry C*, **2008**, 112, 20393-20397	3.8	56
131	Facile one-pot preparation of □SnWO4/reduced graphene oxide (RGO) nanocomposite with improved visible light photocatalytic activity and anode performance for Li-ion batteries. *RSC Advances*, **2013**, 3, 1235-1242	3.7	55

130	MoS2/CQDs obtained by photoreduction for assembly of a ternary MoS2/CQDs/ZnIn2S4 nanocomposite for efficient photocatalytic hydrogen evolution under visible light. *Journal of Materials Chemistry A*, **2018**, 6, 19735-19742	13	53
129	Noble metal Free MoS2/ZnIn2S4 nanocomposite for acceptorless photocatalytic semi-dehydrogenation of 1,2,3,4-tetrahydroisoquinoline to produce 3,4-dihydroisoquinoline. *Applied Catalysis B: Environmental*, **2019**, 252, 18-23	21.8	49
128	Effective photo-reduction to deposit Pt nanoparticles on MIL-100(Fe) for visible-light-induced hydrogen evolution. *New Journal of Chemistry*, **2016**, 40, 9170-9175	3.6	49
127	Rational design of Z-scheme PtS-ZnIn2S4/WO3-MnO2 for overall photo-catalytic water splitting under visible light. *Applied Catalysis B: Environmental*, **2019**, 258, 117948	21.8	49
126	Assembly of evenly distributed Au nanoparticles on thiolated reduced graphene oxide as an active and robust catalyst for hydrogenation of 4-nitroarenes. *RSC Advances*, **2014**, 4, 11003-11011	3.7	46
125	Microwave hydrothermal synthesis and upconversion properties of NaYF4:Yb3+, Tm3+ with microtube morphology. *Materials Letters*, **2009**, 63, 1023-1026	3.3	43
124	Visible-light-induced tandem reaction of o -aminothiophenols and alcohols to benzothiazoles over Fe-based MOFs: Influence of the structure elucidated by transient absorption spectroscopy. *Journal of Catalysis*, **2017**, 349, 156-162	7.3	42
123	3D Hierarchical Architectures of Sr2Sb2O7: Hydrothermal Syntheses, Formation Mechanisms, and Application in Aqueous-Phase Photocatalysis. *Crystal Growth and Design*, **2008**, 8, 4469-4475	3.5	42
122	Photocatalytic splitting of thiols to produce disulfides and hydrogen over PtS/ZnIn2S4 nanocomposites under visible light. *Applied Catalysis B: Environmental*, **2018**, 234, 50-55	21.8	41
121	Spinel LiCrTiO4 fibers as an advanced anode material in high performance lithium ion batteries. *Solid State Ionics*, **2013**, 236, 43-47	3.3	41
120	Preparation of NiS/ZnIn2S4 as a superior photocatalyst for hydrogen evolution under visible light irradiation. *Beilstein Journal of Nanotechnology*, **2013**, 4, 949-55	3	40
119	Wide spectrum responsive CdS/NiTiO3/CoS with superior photocatalytic performance for hydrogen evolution. *Catalysis Science and Technology*, **2017**, 7, 2524-2530	5.5	39
118	Small-Sized Bimetallic CuPd Nanoclusters Encapsulated Inside Cavity of NH2-UiO-66(Zr) with Superior Performance for Light-Induced Suzuki Coupling Reaction. *Small Methods*, **2018**, 2, 1800164	12.8	39
117	Coupling plasmonic noble metal with TiO2 for efficient photocatalytic transfer hydrogenation: M/TiO2 (M = Au and Pt) for chemoselective transformation of cinnamaldehyde to cinnamyl alcohol under visible and 365 nm UV light. *Applied Surface Science*, **2018**, 452, 279-285	6.7	39
116	Characterizations and photocatalytic activity of nanocrystalline La1.5Ln0.5Ti2O7 (Ln=Pr, Gd, Er) solid solutions prepared via a polymeric complex method. *Journal of Molecular Catalysis A*, **2006**, 260, 56-61		37
115	Synthesis of Li2CoTi3O8 fibers and their application to lithium-ion batteries. *Electrochimica Acta*, **2012**, 77, 77-82	6.7	36
114	Photochemical synthesis of submicron- and nano-scale Cu2O particles. *Journal of Colloid and Interface Science*, **2009**, 333, 791-9	9.3	36
113	Photodeposition of Pd nanoparticles on ZnIn2S4 for efficient alkylation of amines and ketones□H with alcohols under visible light. *Applied Catalysis B: Environmental*, **2018**, 237, 970-975	21.8	36

112	Hollow Rods of Nanocrystalline NiGa2O4: Hydrothermal Synthesis, Formation Mechanism, and Application in Photocatalysis. *Crystal Growth and Design*, **2008**, 8, 4511-4516	3.5	35
111	Effect of M2+ (M = Zn and Cu) Dopants on the Electronic Structure and Photocatalytic Activity of In(OH)ySz Solid Solution. *Journal of Physical Chemistry C*, **2008**, 112, 16046-16051	3.8	34
110	Visible light initiated hydrothiolation of alkenes and alkynes over ZnIn2S4. *Green Chemistry*, **2019**, 21, 2345-2351	10	33
109	Morphology-controlled synthesis and efficient photocatalytic performances of a new promising photocatalyst Sr0.25H1.5Ta2O6·H2O. *RSC Advances*, **2011**, 1, 458	3.7	33
108	Controlled preparation of In2O3, InOOH and In(OH)3via a one-pot aqueous solvothermal route. *New Journal of Chemistry*, **2008**, 32, 1843	3.6	32
107	Effect of Fluorination on Photocatalytic Degradation of Rhodamine B over In(OH)ySz: Promotion or Suppression?. *Journal of Physical Chemistry C*, **2011**, 115, 460-467	3.8	31
106	Fabrication of Cu2O-RGO/BiVO4 nanocomposite for simultaneous photocatalytic CO2 reduction and benzyl alcohol oxidation under visible light. *Inorganic Chemistry Communication*, **2019**, 104, 171-177	3.1	30
105	Synthesis of Li4Ti5O12 fibers as a high-rate electrode material for lithium-ion batteries. *Journal of Solid State Electrochemistry*, **2012**, 16, 3307-3313	2.6	30
104	Carbon quantum dots (CQDs) and Co(dmgH)2PyCl synergistically promote photocatalytic hydrogen evolution over hexagonal ZnIn2S4. *Applied Surface Science*, **2018**, 462, 255-262	6.7	29
103	A novel polyvinylidene fluoride/microfiber composite gel polymer electrolyte with an interpenetrating network structure for lithium ion battery. *Electrochimica Acta*, **2014**, 125, 450-456	6.7	29
102	Nanoplates of SnWO4 and SnW3O9 prepared via a facile hydrothermal method and their gas-sensing property. *Sensors and Actuators B: Chemical*, **2009**, 140, 623-628	8.5	29
101	Cooperation in Cu-MOF-74-Derived Cu-CuO-C Nanocomposites To Enable Efficient Visible-Light-Initiated Phenylacetylene Coupling. *Inorganic Chemistry*, **2019**, 58, 7997-8002	5.1	28
100	Embedding of Mg-doped V2O5 nanoparticles in a carbon matrix to improve their electrochemical properties for high-energy rechargeable lithium batteries. *Journal of Materials Chemistry A*, **2017**, 5, 17432-17441	13	28
99	MOF-253-Supported Ru Complex for Photocatalytic CO Reduction by Coupling with Semidehydrogenation of 1,2,3,4-Tetrahydroisoquinoline (THIQ). *Inorganic Chemistry*, **2019**, 58, 16574-16580	5.1	28
98	Coupling photocatalytic CO2 reduction with benzyl alcohol oxidation to produce benzyl acetate over Cu2O/Cu. *Catalysis Science and Technology*, **2018**, 8, 2218-2223	5.5	27
97	Sr(0.4)H(1.2)Nb(2)O(6)·H(2)O nanopolyhedra: an efficient photocatalyst. *Nanoscale*, **2010**, 2, 2262-8	7.7	27
96	A novel solution-phase approach to nanocrystalline niobates: selective syntheses of Sr0.4H1.2Nb2O6.H2O nanopolyhedrons and SrNb2O6 nanorods photocatalysts. *Chemical Communications*, **2010**, 46, 1446-8	5.8	27
95	Synthesis of highly dispersed ceria-zirconia supported on ordered mesoporous alumina. *Chemical Communications*, **2011**, 47, 5247-9	5.8	27

94	Controlled synthesis of pure and highly dispersive Cu(II), Cu(I), and Cu(0)/MCM-41 with Cu[OCHMeCH2NMe2]2/MCM-41 as precursor. *New Journal of Chemistry*, **2009**, 33, 2044	3.6	27
93	Structural, dynamic, and theoretical studies of [AunPt2(PPh3)4(mu-S)2-n(mu 3-S)nL][PF6]n [n = 1, L = PPh3; n = 2, L = Ph2PCH2PPh2, (C5H4PPh2)2Fe]. *Inorganic Chemistry*, **2000**, 39, 5299-305	5.1	27
92	CoOx-MC (MC = Mesoporous Carbon) for Highly Efficient Oxidation of 5-Hydroxymethylfurfural (5-HMF) to 2,5-Furandicarboxylic Acid (FDCA). *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4801-4808	8.3	26
91	Infrared Study of the NO Reduction by Hydrocarbons over Iron Sites with Low Nuclearity: Some New Insight into the Reaction Pathway. *Journal of Physical Chemistry C*, **2010**, 114, 15713-15727	3.8	26
90	Synthesis and Application in the CO Oxidation Conversion Reaction of Hexagonal Boron Nitride with High Surface Area. *Journal of the American Ceramic Society*, **2009**, 92, 1347-1349	3.8	26
89	Tuning of surface wettability of RGO-based aerogels for various adsorbates in water using different amino acids. *Chemical Communications*, **2014**, 50, 10311-4	5.8	24
88	Syntheses, Crystal Structures, and Properties of Novel Heterooctametallic Clusters Na2 M'2 [M3 O4 (O2 CEt)8]2 (M' = Fe, Cr, Mo; M3 = Mo3 , MoW2 , W3). *Chemistry - A European Journal*, **1997**, 3, 226-31	4.8	24
87	Efficient visible-light-induced hydrogenation over composites of CdS and ruthenium carbonyl complexes. *Journal of Catalysis*, **2013**, 304, 1-6	7.3	23
86	A phase-inversion process to prepare porous LiAl0.1Mn1.9O4 spinel for aqueous rechargeable lithium batteries. *Microporous and Mesoporous Materials*, **2012**, 162, 44-50	5.3	22
85	Preparations of C/SiC composites and their use as supports for Ru catalyst in ammonia synthesis. *Journal of Molecular Catalysis A*, **2009**, 301, 79-83		22
84	Interpolymetallic assembly of d8-d10 sulfide aggregates from [Pt2(PPh3)4(mu-S)2] and group 12 metals. *Inorganic Chemistry*, **2003**, 42, 8481-8	5.1	22
83	Efficient chemoselective hydrogenation of nitrobenzene to aniline, azoxybenzene and azobenzene over CQDs/ZnIn2S4 nanocomposites under visible light. *Journal of Catalysis*, **2020**, 389, 241-246	7.3	21
82	Hierarchical Architectured Ternary Nanostructures Photocatalysts with In(OH)3 Nanocube on ZnIn2S4/NiS Nanosheets for Photocatalytic Hydrogen Evolution. *Solar Rrl*, **2020**, 4, 2000027	7.1	21
81	A facile hydrothermal method to BiSbO4 nanoplates with superior photocatalytic performance for benzene and 4-chlorophenol degradations. *Dalton Transactions*, **2011**, 40, 5774-80	4.3	21
80	A mononuclear cyclopentadiene-iron complex grafted in the supercages of HY zeolite: synthesis, structure, and reactivity. *Chemistry - A European Journal*, **2007**, 13, 7890-9	4.8	21
79	Photocatalytic promoting dimethylformamide (DMF) decomposition to in-situ generation of self-supplied CO for carbonylative Suzuki reaction. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 337, 19-24	4.7	20
78	Co(dmgH)2pyCl as a noble-metal-free co-catalyst for highly efficient photocatalytic hydrogen evolution over hexagonal ZnIn2S4. *RSC Advances*, **2016**, 6, 6072-6076	3.7	20
77	Studies on the improved thermal stability for doped ordered mesoporous □alumina. *Physical Chemistry Chemical Physics*, **2013**, 15, 5670-6	3.6	20

76	Nanocrystalline ZnSb2O6: Hydrothermal synthesis, electronic structure and photocatalytic activity. *Journal of Molecular Catalysis A*, **2011**, 349, 80-85		20
75	Heterometallic multinuclear Pt?M (M=Au, Ag) structural assemblies from dinuclear [Pt2(P?P)2(□5)2] (P?P=2PPh3, dppf). *Journal of Organometallic Chemistry*, **2003**, 682, 73-78	2.3	20
74	Visible-light-initiated Sonogashira coupling reactions over CuO/TiO2 nanocomposites. *Catalysis Science and Technology*, **2019**, 9, 377-383	5.5	19
73	Cu/Cu2O-MC (MC = Mesoporous Carbon) for Highly Efficient Hydrogenation of Furfural to Furfuryl Alcohol under Visible Light. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11485-11492	8.3	19
72	Chlorine-Radical-Mediated Photocatalytic Activation of C?H Bonds with Visible Light. *Angewandte Chemie*, **2013**, 125, 1069-1073	3.6	19
71	Hydrothermal synthesis and performance of a novel nanocrystalline Pb(2)Sn(2)O(6) photocatalyst. *Nanotechnology*, **2008**, 19, 505705	3.4	17
70	Scanning tunneling microscopy and spectroscopy investigations of QCA molecules. *Ultramicroscopy*, **2003**, 97, 55-63	3.1	17
69	Selective photocatalytic benzene hydroxylation to phenol using surface-modified Cu2O supported on graphene. *Journal of Materials Chemistry A*, **2018**, 6, 19782-19787	13	17
68	A graphene-hidden structure with diminished light shielding effect: more efficient graphene-involved composite photocatalysts. *Catalysis Science and Technology*, **2018**, 8, 4734-4740	5.5	16
67	Synthesis and characterization of Fe□e□MCM-41. *Materials Letters*, **2006**, 60, 3221-3223	3.3	16
66	Deposition Chemistry of Cu[OCH(Me)CH2NMe2]2 over Mesoporous Silica. *Chemistry of Materials*, **2008**, 20, 4565-4575	9.6	15
65	Synthetic, structural, electrochemical, and theoretical studies of heterometallic aggregates with a [Pt(2)(mu-S)(2)M] core (M = Hg, Au). *Inorganic Chemistry*, **2002**, 41, 6838-45	5.1	15
64	Ligand-stabilization of an unusual square-based pyramidal geometry of Cd(II) and Zn(II) in an heterometallic {MPt2S2} core (M = Cd, Zn). *Dalton Transactions RSC*, **2000**, 1027-1031		15
63	A general templated method to homogeneous and composition-tunable hybrid TiO2 nanocomposite fibers. *Chemical Communications*, **2011**, 47, 2538-40	5.8	14
62	Formation and structural relationship of electroactive Pt□□gII polymetallic sulfide aggregates. *Dalton Transactions RSC*, **2000**, 2901-2908		14
61	{M3S2} heterometallic aggregates derived from Pt2(PPh3)4(□5)2: structural analysis of [MPt2X(PPh3)5(□-S)2]+ (M=Pd and Pt, X=Cl; M=Rh and Ir, X=CO) by X-ray single-crystal crystallography. *Journal of Organometallic Chemistry*, **1999**, 575, 223-231	2.3	14
60	Freestanding silicon/carbon nanofibers composite membrane as a flexible anode for Li-Ion battery. *Journal of Power Sources*, **2018**, 403, 103-108	8.9	14
59	Fabrication and characterization of electrospun CdS-OH/polyacrylonitrile hybrid nanofibers. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 1869-1876	8.4	13

58	Noble-metal-free Z-Scheme MoS2/CdS/WO3/MnO2 nanocomposites for photocatalytic overall water splitting under visible light. *International Journal of Hydrogen Energy*, **2020**, 45, 17320-17328	6.7	13
57	MOF derived C/Co@C with a one-way-valve-like graphitic carbon layer for selective semi-hydrogenation of aromatic alkynes. *Carbon*, **2020**, 160, 64-70	10.4	13
56	Double-sided modification of TiO2 spherical shell by graphene sheets with enhanced photocatalytic activity for CO2 reduction. *Applied Surface Science*, **2021**, 537, 147991	6.7	13
55	Significant role of carbonate radicals in tetracycline hydrochloride degradation based on solar light-driven TiO2-seashell composites: Removal and transformation pathways. *Chinese Journal of Catalysis*, **2020**, 41, 1511-1521	11.3	12
54	Trinuclear iron cluster intercalated montmorillonite catalyst: Microstructure and photo-Fenton performance. *Catalysis Today*, **2011**, 175, 362-369	5.3	12
53	A citrate complex process to prepare nanocrystalline PbBi2Nb2O9 at a low temperature. *Materials Letters*, **2008**, 62, 155-158	3.3	12
52	In situ construction of layered graphene-based nanofiltration membranes with interlayer photocatalytic purification function and their application for water treatment. *Environmental Science: Nano*, **2019**, 6, 2195-2202	7.1	10
51	SnS2 nanoplates/SnO2 nanotubes composites as efficient visible light-driven photocatalysts for Cr(VI) reduction. *Research on Chemical Intermediates*, **2017**, 43, 5217-5228	2.8	10
50	Nanocrystalline CaSb2O5(OH)2 and Ca2Sb2O7: Controlled syntheses, electronic structures and photocatalytic activity. *Applied Catalysis B: Environmental*, **2012**, 127, 205-211	21.8	10
49	Low-temperature synthesis of regenerable TiO2−xNxnanocrystals in Nafion membrane and the promotive effect of Nafion in photocatalysis and N-doping. *Journal of Materials Chemistry*, **2009**, 19, 6888		10
48	Replacement of Pd nanoparticles: Hydrogenation promoted by frustrated Lewis acid-base pairs in carbon quantum dots. *Journal of Catalysis*, **2020**, 383, 304-310	7.3	10
47	Visible Light-Initiated Synergistic/Cascade Reactions over Metal-Organic Frameworks. *Solar Rrl*, **2021**, 5, 2000454	7.1	10
46	Visible light initiated oxidative coupling of alcohols and o-phenylenediamines to synthesize benzimidazoles over MIL-101(Fe) promoted by plasmonic Au. *Green Chemistry*, **2021**, 23, 4161-4169	10	10
45	Carbon-encapsulated Si nanoparticle composite nanofibers with porous structure as lithium-ion battery anodes. *Solid State Ionics*, **2014**, 261, 111-116	3.3	9
44	Synthesis of ordered mesoporous γ-alumina influenced by the interfacial protector. *Materials Letters*, **2012**, 84, 44-47	3.3	9
43	Nanocrystalline pyrochlore AgSbO3: Hydrothermal synthesis, photocatalytic activity and self-stable mechanism study. *Applied Catalysis B: Environmental*, **2012**, 123-124, 78-83	21.8	9
42	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. *Journal of Physical Chemistry C*, **2007**, 111, 5195-5202	3.8	9
41	Engineering Metal-Organic Frameworks (MOFs) for Efficient Photocatalysis. *Current Organic Chemistry*, **2018**, 22, 1825-1835	1.7	9

40	Synthesis and electrochemical performance of three-dimensionally ordered macroporous LiCoO2. *Journal of Solid State Electrochemistry*, **2012**, 16, 3079-3085	2.6	8
39	A polymeric complex method to nanocrystalline BiCu2VO6 with visible light photocatalytic activity. *Materials Letters*, **2011**, 65, 460-463	3.3	8
38	A POROUS VANADIUM PENTOXIDE MATERIAL AND ITS ELECTROCHEMICAL PROPERTIES IN AQUEOUS ELECTROLYTE. *Functional Materials Letters*, **2011**, 04, 61-64	1.2	8
37	AN EXFOLIATED VANADIUM PENTOXIDE NANOPLATELET AND ITS ELECTROCHEMICAL PROPERTIES FOR LITHIUM-ION BATTERIES. *Functional Materials Letters*, **2012**, 05, 1250019	1.2	8
36	Highly Efficient CO2 to CO Transformation over Cu-Based Catalyst Derived from a CuMgAl-Layered Double Hydroxide (LDH). *ChemCatChem*, **2021**, 13, 656-663	5.2	8
35	Photoactive sites in commercial HZSM-5 zeolite with iron impurities: An UV Raman study. *Comptes Rendus Chimie*, **2008**, 11, 114-119	2.7	7
34	Tailoring the Linear and Second-Order Nonlinear Optical Responses of the Titanium-MIL-125 Metal□Organic Framework through Ligand Functionalization: A First Principles Study. *Journal of Physical Chemistry C*, **2019**, 123, 653-664	3.8	7
33	Photocatalytic degradation of tetracycline hydrochloride over rugby-like □Ga2O3 with a 3D hierarchically assembled porous structure for environmental remediation. *Catalysis Science and Technology*, **2020**, 10, 3315-3323	5.5	6
32	Metal□organic frameworks for photocatalysis. *Interface Science and Technology*, **2020**, 31, 541-579	2.3	6
31	Performance improvement of Sn□Co alloy film anodes for lithium-ion batteries. *Functional Materials Letters*, **2014**, 07, 1450050	1.2	6
30	Nanocomposite polymer electrolytes prepared by in situ polymerization on the surface of nanoparticles for lithium-ion polymer batteries. *Pure and Applied Chemistry*, **2010**, 82, 2167-2174	2.1	6
29	Co□MOF-74@Cu□MOF-74 Derived Bifunctional Co□@Cu□ for One-Pot Production of 1, 4-Diphenyl-1, 3-Butadiene from Phenylacetylene. *ChemCatChem*, **2020**, 12, 6241-6247	5.2	6
28	Efficient visible light initiated hydrothiolations of alkenes/alkynes over Ir2S3/ZnIn2S4: Role of Ir2S3. *Chinese Journal of Catalysis*, **2021**, 42, 409-416	11.3	6
27	Thiol-initiated photocatalytic oxidative cleavage of the CC bond in olefins and its extension to direct production of acetals from olefins. *Catalysis Science and Technology*, **2021**, 11, 1000-1006	5.5	6
26	Engineering Surface Wettability of Reduced Graphene Oxide To Realize Efficient Interfacial Photocatalytic Benzene Hydroxylation in Water. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15682-15687	8.3	6
25	Nanocrystalline GaSbO4 with high surface area prepared via a facile hydrothermal method and its photocatalytic activity study. *Journal of Alloys and Compounds*, **2012**, 522, 144-148	5.7	5
24	GLYCINE-ASSISTED SOL□GEL SYNTHESIS OF LiFePO4/C CATHODE MATERIALS FOR LITHIUM-ION BATTERIES. *Functional Materials Letters*, **2010**, 03, 217-221	1.2	5
23	Studies on nanocrystalline (Sr,Pb)TiO3 solid solutions prepared via a facile self-propagating combustion method. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 2326-2331	3.9	5

22	Post-synthetic modifications (PSM) on metal-organic frameworks (MOFs) for visible-light-initiated photocatalysis. *Dalton Transactions*, **2021**, 50, 13201-13215	4.3	5
21	Solar Photocatalytic Oxidation of Methane to Methanol with Water over RuOx/ZnO/CeO2 Nanorods. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 16-22	8.3	5
20	Assembly of RGO composite aerogels embedded with ultrasmall Au nanoparticles as an active and recyclable catalyst for reduction of 4-nitrophenol. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103835	6.8	4
19	SYNTHESIS AND ELECTROCHEMICAL PROPERTIES OF Li2FeSiO4/C AS CATHODE MATERIALS FOR LITHIUM-ION BATTERIES. *Functional Materials Letters*, **2013**, 06, 1350029	1.2	4
18	CYCLIC IMPROVEMENT OF LiNi0.5Mn1.5O4 POLYHEDRAL SPINELS FOR 5.0 V LITHIUM ION BATTERIES. *Functional Materials Letters*, **2010**, 03, 185-188	1.2	4
17	EXCELLENT CYCLING PERFORMANCE OF THREE-DIMENSIONAL-ORDERED MACROPOROUS NiFe2O4 AS ANODE MATERIAL FOR LITHIUM ION BATTERIES. *Functional Materials Letters*, **2011**, 04, 327-331	1.2	4
16	Robust RGO composite aerogels with high adsorption capabilities for organic pollutants in water. *Separation and Purification Technology*, **2021**, 257, 117876	8.3	4
15	Excellent electrochemical performances of high-voltage LiNi0.5Mn1.5O4 hollow microspheres synthesized by a static co-precipitation method. *Materials Letters*, **2019**, 248, 97-100	3.3	3
14	A new 3-D Gd-Cu heterometallic polymer [Gd2Cu3(bpy)2-(ip)6]□6H2O with a non-interpenetrated □Po net. *Science Bulletin*, **2009**, 54, 4272-4276	10.6	3
13	Structure directing influence of precursor compositions on the formation of macroscopic inorganic oxide nanocomposite fibers. *Journal of Materials Chemistry*, **2009**, 19, 1908		3
12	An investigation of a novel MnO□network-Ni/PVDF double shell/core membrane as an anode for lithium ion batteries. *Physical Chemistry Chemical Physics*, **2015**, 17, 18699-704	3.6	2
11	Novel-shaped LiNi1/3Co1/3Mn1/3O2 prepared by a hydroxide coprecipitation method. *Pure and Applied Chemistry*, **2008**, 80, 2537-2542	2.1	2
10	Efficient visible light initiated one-pot syntheses of secondary amines from nitro aromatics and benzyl alcohols over Pd@NH2-UiO-66(Zr). *Applied Catalysis B: Environmental*, **2022**, 305, 121031	21.8	2
9	Pt@MIL-101(Fe) for efficient visible light initiated coproduction of benzimidazoles and hydrogen from the reaction between o-Phenylenediamines and alcohols. *Journal of Catalysis*, **2022**, 410, 156-163	7.3	2
8	Multifunctional MOF-Based Photocatalysis **2016**, 1-16		1
7	Frontispiece: Visible Light Induced Organic Transformations Using Metal-Organic-Frameworks (MOFs). *Chemistry - A European Journal*, **2017**, 23,	4.8	1
6	Interconnected N-doped MXene spherical shells for highly efficient capacitive deionization. *Environmental Science: Nano*, **2022**, 9, 204-213	7.1	1
5	Acceptorless Photocatalytic Dehydrogenation of Furfuryl Alcohol (FOL) to Furfural (FAL) and Furoic Acid (FA) over Ti C T /CdS under Visible Light. *Chemistry - an Asian Journal*, **2021**, 16, 2932-2938	4.5	1

List of Publications

4	Holey reduced graphene oxide nanosheets wrapped hollow FeS2@C spheres as a high-performance anode material for sodium-ion batteries. *Journal of Power Sources*, **2022**, 536, 231438	8.9	1
3	Lamellar MXene Nanofiltration Membranes for Electrostatic Modulation of Molecular Permeation: Implications for Fine Separation. *ACS Applied Nano Materials*, **2022**, 5, 7373-7381	5.6	1
2	Light-induced organic transformations over some MOF materials **2020**, 339-352		
1	Metal-Organic Frameworks (MOFs) for Photocatalytic Organic Transformations. *Nanostructure Science and Technology*, **2016**, 523-535	0.9	