

Lingxia Zhang

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149
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11,330
ext. citations

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#	Paper	IF	Citations
146	Fabrication of uniform magnetic nanocomposite spheres with a magnetic core/mesoporous silica shell structure. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8916-7	16.4	704
145	Brand new P-doped g-C ₃ N ₄ : enhanced photocatalytic activity for H ₂ evolution and Rhodamine B degradation under visible light. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3862-3867	13	381
144	A pH-responsive mesoporous silica nanoparticles-based multi-drug delivery system for overcoming multi-drug resistance. <i>Biomaterials</i> , 2011 , 32, 7711-20	15.6	323
143	Hollow mesoporous organosilica nanoparticles: a generic intelligent framework-hybridization approach for biomedicine. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16326-34	16.4	299
142	Highly selective CO ₂ photoreduction to CO over g-C ₃ N ₄ /Bi ₂ WO ₆ composites under visible light. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5189-5196	13	293
141	Mesostructured CeO ₂ /g-C ₃ N ₄ nanocomposites: Remarkably enhanced photocatalytic activity for CO ₂ reduction by mutual component activations. <i>Nano Energy</i> , 2016 , 19, 145-155	17.1	270
140	N-doped graphitic carbon-incorporated g-C ₃ N ₄ for remarkably enhanced photocatalytic H ₂ evolution under visible light. <i>Carbon</i> , 2016 , 99, 111-117	10.4	263
139	A Simple Template-Free Strategy to Synthesize Nanoporous Manganese and Nickel Oxides with Narrow Pore Size Distribution, and Their Electrochemical Properties. <i>Advanced Functional Materials</i> , 2008 , 18, 1544-1554	15.6	229
138	Multifunctional Mesoporous Nanoellipsoids for Biological Bimodal Imaging and Magnetically Targeted Delivery of Anticancer Drugs. <i>Advanced Functional Materials</i> , 2011 , 21, 270-278	15.6	228
137	Construction of Graphitic C ₃ N ₄ -Based Intramolecular Donor-Acceptor Conjugated Copolymers for Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2015 , 5, 5008-5015	13.1	226
136	Chitosan derived nitrogen-doped microporous carbons for high performance CO ₂ capture. <i>Carbon</i> , 2013 , 61, 423-430	10.4	224
135	Large-pore ultrasmall mesoporous organosilica nanoparticles: micelle/precursor co-templating assembly and nuclear-targeted gene delivery. <i>Advanced Materials</i> , 2015 , 27, 215-22	24	222
134	Large Pore-Sized Hollow Mesoporous Organosilica for Redox-Responsive Gene Delivery and Synergistic Cancer Chemotherapy. <i>Advanced Materials</i> , 2016 , 28, 1963-9	24	216
133	Colloidal HPMO nanoparticles: silica-etching chemistry tailoring, topological transformation, and nano-biomedical applications. <i>Advanced Materials</i> , 2013 , 25, 3100-5	24	181
132	An anticancer drug delivery system based on surfactant-templated mesoporous silica nanoparticles. <i>Biomaterials</i> , 2010 , 31, 3335-46	15.6	181
131	2D-2D MnO ₂ /g-C ₃ N ₄ heterojunction photocatalyst: In-situ synthesis and enhanced CO ₂ reduction activity. <i>Carbon</i> , 2017 , 120, 23-31	10.4	171
130	Oxygen Vacancy Generation and Stabilization in CeO ₂ by Cu Introduction with Improved CO ₂ Photocatalytic Reduction Activity. <i>ACS Catalysis</i> , 2019 , 9, 4573-4581	13.1	168

129	Colloidal RBC-shaped, hydrophilic, and hollow mesoporous carbon nanocapsules for highly efficient biomedical engineering. <i>Advanced Materials</i> , 2014 , 26, 4294-301	24	168
128	Hollow mesoporous carbon spheres--an excellent bilirubin adsorbent. <i>Chemical Communications</i> , 2009 , 6071-3	5.8	159
127	Biocompatibility, MR imaging and targeted drug delivery of a rattle-type magnetic mesoporous silica nanosphere system conjugated with PEG and cancer-cell-specific ligands. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3037		158
126	A Hollow-Core, Magnetic, and Mesoporous Double-Shell Nanostructure: In Situ Decomposition/Reduction Synthesis, Bioimaging, and Drug-Delivery Properties. <i>Advanced Functional Materials</i> , 2011 , 21, 1850-1862	15.6	150
125	Synthesis and Characterization of Bifunctionalized Ordered Mesoporous Materials. <i>Advanced Functional Materials</i> , 2004 , 14, 544-552	15.6	139
124	A new thioether functionalized organic-inorganic mesoporous composite as a highly selective and capacious Hg ²⁺ adsorbent. <i>Chemical Communications</i> , 2003 , 210-1	5.8	137
123	N-doped hierarchically macro/mesoporous carbon with excellent electrocatalytic activity and durability for oxygen reduction reaction. <i>Carbon</i> , 2015 , 86, 108-117	10.4	136
122	Template-Free Preparation of Mesoporous Fe ₂ O ₃ and Its Application as Absorbents. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13378-13382	3.8	132
121	Preparation of mesoporous calcium doped silica spheres with narrow size dispersion and their drug loading and degradation behavior. <i>Microporous and Mesoporous Materials</i> , 2007 , 102, 151-158	5.3	127
120	Structure-property relationships in manganese oxide--mesoporous silica nanoparticles used for T1-weighted MRI and simultaneous anti-cancer drug delivery. <i>Biomaterials</i> , 2012 , 33, 2388-98	15.6	125
119	Constructing carbon-nitride-based copolymers via Schiff base chemistry for visible-light photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 68-73	21.8	123
118	Double mesoporous silica shelled spherical/ellipsoidal nanostructures: Synthesis and hydrophilic/hydrophobic anticancer drug delivery. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5290		116
117	Carbon-vacancy modified graphitic carbon nitride: enhanced CO ₂ photocatalytic reduction performance and mechanism probing. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1556-1563	13	111
116	Platinum/mesoporous WO ₃ as a carbon-free electrocatalyst with enhanced electrochemical activity for methanol oxidation. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12024-31	3.4	110
115	Dual synergetic effects in MoS ₂ /pyridine-modified g-C ₃ N ₄ composite for highly active and stable photocatalytic hydrogen evolution under visible light. <i>Applied Catalysis B: Environmental</i> , 2016 , 190, 36-43	21.8	108
114	Preparation of multi-amine-grafted mesoporous silicas and their application to heavy metal ions adsorption. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4055-4061	3.9	108
113	Pd-catalyzed instant hydrogenation of TiO ₂ with enhanced photocatalytic performance. <i>Energy and Environmental Science</i> , 2016 , 9, 2410-2417	35.4	100
112	Layered copper manganese oxide for the efficient catalytic CO and VOCs oxidation. <i>Chemical Engineering Journal</i> , 2019 , 357, 258-268	14.7	98

111	A mesoporous bioactive glass/polycaprolactone composite scaffold and its bioactivity behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 84, 84-91	5.4	89
110	Core-shell LaPO ₄ /g-C ₃ N ₄ nanowires for highly active and selective CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 629-635	21.8	88
109	A post-grafting strategy to modify g-C ₃ N ₄ with aromatic heterocycles for enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13814-13821	13	87
108	MoS ₂ quantum dot decorated g-C ₃ N ₄ composite photocatalyst with enhanced hydrogen evolution performance. <i>RSC Advances</i> , 2016 , 6, 52611-52619	3.7	84
107	A mesoporous silica nanoparticulate/β-TCP/BG composite drug delivery system for osteoarticular tuberculosis therapy. <i>Biomaterials</i> , 2011 , 32, 1986-95	15.6	83
106	Highly efficient adsorbents based on hierarchically macro/mesoporous carbon monoliths with strong hydrophobicity. <i>Carbon</i> , 2014 , 66, 547-559	10.4	78
105	Hollow mesoporous carbon spheres with magnetic cores and their performance as separable bilirubin adsorbents. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1480-5	4.5	77
104	One-step synthesis of sulfur doped graphene foam for oxygen reduction reactions. <i>Dalton Transactions</i> , 2014 , 43, 3420-3	4.3	73
103	Low-temperature formation of nanocrystalline β-SiC with high surface area and mesoporosity via reaction of mesoporous carbon and silicon powder. <i>Microporous and Mesoporous Materials</i> , 2005 , 82, 137-145	5.3	71
102	Electron Configuration Modulation of Nickel Single Atoms for Elevated Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6827-6831	16.4	70
101	A facile route to synthesize magnetic particles within hollow mesoporous spheres and their performance as separable Hg ²⁺ adsorbents. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2733		70
100	Mesoporous bioactive glass-coated poly(L-lactic acid) scaffolds: a sustained antibiotic drug release system for bone repairing. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1064-1072		66
99	Improved photocatalytic activity of g-C ₃ N ₄ derived from cyanamide/urea solution. <i>RSC Advances</i> , 2015 , 5, 8323-8328	3.7	65
98	One-step construction of FeO _x modified g-C ₃ N ₄ for largely enhanced visible-light photocatalytic hydrogen evolution. <i>Carbon</i> , 2016 , 101, 62-70	10.4	64
97	Multifunctional 2D porous g-C ₃ N ₄ nanosheets hybridized with 3D hierarchical TiO ₂ microflowers for selective dye adsorption, antibiotic degradation and CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020 , 396, 125347	14.7	62
96	The catalytic oxidation removal of low-concentration HCHO at high space velocity by partially crystallized mesoporous MnO _x . <i>Chemical Engineering Journal</i> , 2017 , 320, 667-676	14.7	61
95	In situ formation of silver nanoparticles inside pore channels of ordered mesoporous silica. <i>Materials Letters</i> , 2004 , 58, 2152-2156	3.3	59
94	Facile construction of CuFe ₂ O ₄ /g-C ₃ N ₄ photocatalyst for enhanced visible-light hydrogen evolution. <i>RSC Advances</i> , 2016 , 6, 18990-18995	3.7	58

93	A "neck-formation" strategy for an anti-quenching magnetic/upconversion fluorescent bimodal cancer probe. <i>Chemistry - A European Journal</i> , 2010 , 16, 11254-60	4.8	58
92	A salt-assisted acid etching strategy for hollow mesoporous silica/organosilica for pH-responsive drug and gene co-delivery. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 766-775	7.3	57
91	Ultrasmall Confined Iron Oxide Nanoparticle MSNs as a pH-Responsive Theranostic Platform. <i>Advanced Functional Materials</i> , 2014 , 24, 4273-4283	15.6	56
90	Preparation of millimetre-sized mesoporous carbon spheres as an effective bilirubin adsorbent and their blood compatibility. <i>Chemical Communications</i> , 2010 , 46, 7127-9	5.8	56
89	PtCo supported on ordered mesoporous carbon as an electrode catalyst for methanol oxidation. <i>Carbon</i> , 2009 , 47, 186-194	10.4	54
88	Synthesis of Magnetically Separable Porous Carbon Microspheres and Their Adsorption Properties of Phenol and Nitrobenzene from Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8623-8628	2.8	53
87	Preparation of chitosan/mesoporous silica nanoparticle composite hydrogels for sustained co-delivery of biomacromolecules and small chemical drugs. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 045005	7.1	52
86	Room-temperature catalytic removal of low-concentration NO over mesoporous FeMn binary oxide synthesized using a template-free approach. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 42-50	21.8	51
85	Electrochemical catalytic activity for the hydrogen oxidation of mesoporous WO ₃ and WO ₃ /C composites. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3575		51
84	Modified mesoporous silica materials for on-line separation and preconcentration of hexavalent chromium using a microcolumn coupled with flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2012 , 725, 81-6	6.6	49
83	Synthesis and Characterization of Uniform Spindle-Shaped Microarchitectures Self-Assembled from Aligned Single-Crystalline Nanowires of Lanthanum Phosphates. <i>Crystal Growth and Design</i> , 2007 , 7, 2303-2309	2.5	45
82	Overcoming poisoning effects of heavy metal ions against photocatalysis for synergetic photo-hydrogen generation from wastewater. <i>Nano Energy</i> , 2017 , 38, 494-503	17.1	41
81	Preparation of highly ordered Fe-SBA-15 by physical-vapor-infiltration and their application to liquid phase selective oxidation of styrene. <i>Journal of Molecular Catalysis A</i> , 2007 , 268, 155-162		41
80	Converting CO into fuels by graphitic carbon nitride-based photocatalysts. <i>Nanotechnology</i> , 2018 , 29, 412001	3.4	40
79	Cu/Mn co-loaded hierarchically porous zeolite beta: a highly efficient synergetic catalyst for soot oxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9745-9753	13	38
78	Template-free synthesis of mesoporous XMn (X = Co, Ni, Zn) bimetal oxides and catalytic application in the room temperature removal of low-concentration NO. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10218	13	37
77	Remarkably enhanced H ₂ evolution activity of oxidized graphitic carbon nitride by an extremely facile K ₂ CO ₃ -activation approach. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 322-329	21.8	36
76	Surfactant-assisted synthesis of Tb(III)-doped cerium phosphate single-crystalline nanorods with enhanced green emission. <i>Applied Physics Letters</i> , 2004 , 85, 4307	3.4	34

75	Confinement of Cd3P2 nanoparticles inside ordered pore channels in mesoporous silica. <i>Journal of Materials Chemistry</i> , 2003 , 13, 399-403		34
74	Synthesis of oxygen-deficient luminescent mesoporous silica nanoparticles for synchronous drug delivery and imaging. <i>Chemical Communications</i> , 2011 , 47, 7947-9	5.8	33
73	Free-standing composite films of multiple 2D nanosheets: Synergetic photothermocatalysis/photocatalysis for efficient removal of formaldehyde under ambient condition. <i>Chemical Engineering Journal</i> , 2020 , 394, 125014	14.7	32
72	Amorphous Fe ^{II} -rich FeOx loaded in mesoporous silica as a highly efficient heterogeneous Fenton catalyst. <i>Dalton Transactions</i> , 2014 , 43, 9234-41	4.3	31
71	One-pot self-assembly of mesoporous silica nanoparticle-based pH-responsive anti-cancer nano drug delivery system. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15190		31
70	Particle size, uniformity, and mesostructure control of magnetic core/mesoporous silica shell nanocomposite spheres. <i>Journal of Materials Research</i> , 2006 , 21, 3080-3089	2.5	31
69	Probing the role of O-containing groups in CO adsorption of N-doped porous activated carbon. <i>Nanoscale</i> , 2017 , 9, 17593-17600	7.7	30
68	A co-pyrolysis route to synthesize nitrogen doped multiwall carbon nanotubes for oxygen reduction reaction. <i>Carbon</i> , 2014 , 68, 232-239	10.4	30
67	New and efficient heterogeneous catalytic system for Heck reaction: palladium colloid layer in situ reduced in the channel of mesoporous silica materials. <i>Applied Catalysis A: General</i> , 2005 , 283, 85-89	5.1	30
66	An emulsification/solvent evaporation route to mesoporous bioactive glass microspheres for bisphosphonate drug delivery. <i>Journal of Materials Science</i> , 2012 , 47, 2256-2263	4.3	29
65	Enhanced Toluene Combustion over Highly Homogeneous Iron Manganese Oxide Nanocatalysts. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1066-1075	5.6	28
64	Post-grafting preparation of large-pore mesoporous materials with localized high content titanium doping. <i>Journal of Materials Chemistry</i> , 2005 , 15, 661		26
63	Directed growth of well-aligned zinc silicate nanowires along the channels of surfactant-assembled mesoporous silica. <i>Small</i> , 2005 , 1, 1044-7	11	26
62	On the Mesopore-Free Synthesis of Single-Crystalline Hierarchically Structured ZSM-5 Zeolites in a Quasi-Solid-State System. <i>Chemistry - A European Journal</i> , 2016 , 22, 7895-905	4.8	26
61	MBG/PLGA composite microspheres with prolonged drug release. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 89, 148-54	3.5	25
60	One-step synthesis of hydrothermally stable cubic mesoporous aluminosilicates with a novel particle structure. <i>Microporous and Mesoporous Materials</i> , 2003 , 60, 51-56	5.3	25
59	Electron Configuration Modulation of Nickel Single Atoms for Elevated Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2020 , 132, 6894-6898	3.6	24
58	Fe-leaching induced surface reconstruction of Ni-Fe alloy on N-doped carbon to boost oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2020 , 394, 124977	14.7	24

57	Pt/MnO ₂ nanosheets: facile synthesis and highly efficient catalyst for ethylene oxidation at low temperature. <i>RSC Advances</i> , 2017 , 7, 14809-14815	3.7	22
56	Facile synthesis of hydrophilic multi-colour and upconversion photoluminescent mesoporous carbon nanoparticles for bioapplications. <i>Chemical Communications</i> , 2014 , 50, 15772-5	5.8	22
55	Surfactant-assisted synthesis of lanthanide phosphates single-crystalline nanowires/nanorods. <i>Journal of Materials Research</i> , 2004 , 19, 2807-2811	2.5	22
54	In-situ carbonization synthesis and ethylene hydrogenation activity of ordered mesoporous tungsten carbide. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10513-10521	6.7	21
53	Synthesis of periodic mesoporous organosilicas with chemically active bridging groups and high loadings of thiol groups. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4320		21
52	A photo-excited electron transfer hyperchannel constructed in Pt-dispersed pyrimidine-modified carbon nitride for remarkably enhanced water-splitting photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 888-894	21.8	20
51	Facile one-step synthesis of highly ordered bimodal mesoporous phosphosilicate monoliths. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11878-9	16.4	20
50	Mesostructured amorphous manganese oxides: facile synthesis and highly durable elimination of low-concentration NO at room temperature in air. <i>Chemical Communications</i> , 2015 , 51, 5887-9	5.8	19
49	The size modulation of hollow mesoporous carbon spheres synthesized by a simplified hard template route. <i>Materials Letters</i> , 2011 , 65, 1-3	3.3	19
48	Layered MnO ₂ as an active catalyst for toluene catalytic combustion. <i>Applied Catalysis A: General</i> , 2020 , 602, 117715	5.1	19
47	Mild generation of surface oxygen vacancies on CeO for improved CO photoreduction activity. <i>Nanoscale</i> , 2020 , 12, 12374-12382	7.7	18
46	Donor-pi-acceptor structure between Ag nanoparticles and azobenzene chromophore and its enhanced third-order optical non-linearity. <i>Dalton Transactions</i> , 2009 , 823-31	4.3	18
45	Facile Synthesis of Nanoporous Hydroquinone/Catechol Formaldehyde Resins and their Highly Selective, Efficient and Regenerate Reactive Adsorption for Gold Ions. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 845-853	2.6	18
44	Hydrothermal Synthesis of Ultraviolet-emitting Cerium Phosphate Single-crystal Nanowires. <i>Chemistry Letters</i> , 2004 , 33, 612-613	1.7	18
43	Highly Dispersed Gold Nanowires within the Pore Channels of Mesoporous Silica Thin Films Prepared From Organic/Inorganic Hybrid Films Functionalized with Basic Moieties. <i>Chemistry Letters</i> , 2005 , 34, 114-115	1.7	18
42	Ferrous oxalate dihydrate: a simple coordination polymer featuring photocatalytic and photo-initiated Fenton oxidations. <i>Science China Materials</i> , 2016 , 59, 574-580	7.1	17
41	Thioether moiety functionalization of mesoporous silica films for the encapsulation of highly dispersed gold nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1060-1066	3.3	17
40	A Redox-anchoring Approach to Well-dispersed MoC /C Nanocomposite for Efficient Electrocatalytic Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 446-452	4.5	16

39	One-pot synthesis of hierarchically structured ZSM-5 zeolites using single micropore-template. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 866-873	11.3	16
38	KF-loaded mesoporous Mg-Fe bi-metal oxides: high performance transesterification catalysts for biodiesel production. <i>Chemical Communications</i> , 2013 , 49, 8006-8	5.8	15
37	Soft-to-hard templating to well-dispersed N-doped mesoporous carbon nanospheres via one-pot carbon/silica source copolymerization. <i>Science Bulletin</i> , 2016 , 61, 1195-1201	10.6	14
36	One-step hydrothermal synthesis of nitrogen-doped carbon nanotubes as an efficient electrocatalyst for oxygen reduction reactions. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2915-20	4.5	14
35	Hollow mesoporous carbon cubes with high activity towards the electrocatalytic reduction of oxygen. <i>ChemSusChem</i> , 2015 , 8, 623-7	8.3	13
34	A facile ultrasonic process for the preparation of Co ₃ O ₄ nanoflowers for room-temperature removal of low-concentration NO _x . <i>Catalysis Communications</i> , 2014 , 57, 73-77	3.2	12
33	Hierarchically macro/mesoporous silica monoliths constructed with interconnecting micrometer-sized unit rods. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 22-27	2.3	11
32	Ni-Assisted Low Temperature Synthesis of MoC with Enhanced HER Activity. <i>Chemistry - A European Journal</i> , 2017 , 23, 17029-17036	4.8	10
31	Highly Efficient and Selective CO Electro-Reduction to HCOOH on Sn Particle-Decorated Polymeric Carbon Nitride. <i>ChemSusChem</i> , 2020 , 13, 6442-6448	8.3	10
30	Polydopamine mediated modification of manganese oxide on melamine sponge for photothermocatalysis of gaseous formaldehyde. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124795	12.8	10
29	Exploring the enhancement effects of hetero-metal doping in CeO ₂ on CO ₂ photocatalytic reduction performance. <i>Chemical Engineering Journal</i> , 2021 , 427, 130987	14.7	9
28	Carbon impurity-free, novel Mn,N co-doped porous Mo ₂ C nanorods for an efficient and stable hydrogen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2464-2471	6.8	8
27	A facile template-free approach to metal oxide spheres with well-defined nanopore structures. <i>Journal of Materials Science</i> , 2008 , 43, 7184-7191	4.3	8
26	Is black iron oxide nanoparticle always a light absorber?. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7990		7
25	Bi-Sn Oxides for Highly Selective CO Electroreduction to Formate in a Wide Potential Window. <i>ChemSusChem</i> , 2021 , 14, 2247-2254	8.3	7
24	Atomic-scale marriage of light-harvesting and charge-storing components for efficient photoenergy storage catalysis. <i>Nano Energy</i> , 2016 , 28, 407-416	17.1	6
23	Acid-prepared mesostructures modified with TiO ₂ by a template displacement process. <i>Journal of Materials Chemistry</i> , 2001 , 11, 3130-3134		6
22	Incorporation of N-Doped Reduced Graphene Oxide into Pyridine-Copolymerized g-C ₃ N ₄ for Greatly Enhanced H ₂ Photocatalytic Evolution. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2017 , 33, 1436-1445	3.8	5

21	Polymeric carbon nitride supported Bi nanoparticles as highly efficient CO reduction electrocatalyst in a wide potential range. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 1676-1684	9.3	5
20	Defect Engineering of Photocatalysts towards Elevated CO Reduction Performance. <i>ChemSusChem</i> , 2021 , 14, 2635-2654	8.3	5
19	CoNiFe-LDHs decorated Ta ₃ N ₅ nanotube array photoanode for remarkably enhanced photoelectrochemical glycerol conversion coupled with hydrogen generation. <i>Nano Energy</i> , 2021 , 89, 106326	17.1	5
18	Mesostructured platinum-free anode and carbon-free cathode catalysts for durable proton exchange membrane fuel cells. <i>ChemSusChem</i> , 2014 , 7, 135-45	8.3	4
17	Probing the effect of P-doping in polymeric carbon nitride on CO photocatalytic reduction. <i>Dalton Transactions</i> , 2020 , 49, 15750-15757	4.3	4
16	3D interconnected nanoporous Ta ₃ N ₅ films for photoelectrochemical water splitting: thickness-controlled synthesis and insights into stability. <i>Science China Materials</i> , 2021 , 64, 1876-1888	7.1	4
15	FeP modified polymeric carbon nitride as a noble-metal-free photocatalyst for efficient CO ₂ reduction. <i>Catalysis Communications</i> , 2021 , 156, 106326	3.2	4
14	A unique route to fabricate mesoporous carbon with abundant ferric species as a heterogeneous Fenton catalyst under neutral conditions. <i>RSC Advances</i> , 2015 , 5, 101241-101246	3.7	3
13	A pre-modification-direct synthesis route for the covalent incorporation and monomeric dispersion of hydrophobic organic chromophores in mesoporous silica films. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 150-156	5.3	3
12	Metal-organic framework derived carbon supported Cu ₂ S nanoparticles for highly selective CO ₂ electroreduction to CO. <i>Catalysis Science and Technology</i> , 2021 , 11, 6096-6102	5.5	3
11	Facile synthesis of superparamagnetic mesoporous zeolite microspheres for the capacious enrichment of enzymes and proteins. <i>Dalton Transactions</i> , 2014 , 43, 406-9	4.3	2
10	PAMAM-SBA-15 Composite in Application of Heavy Metals Ions Adsorption. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2008 , 23, 1231-1235	1	2
9	Carbon nanostructures formed on mesoporous silica by catalytic chemical vapor deposition of ethene. <i>Journal of Materials Research</i> , 2008 , 23, 435-443	2.5	1
8	A Novel Seeding Growth Route to Synthesize Uniform Pt Clusters within Mesoporous Silica by Non-aqueous Electroless Deposition. <i>Chemistry Letters</i> , 2005 , 34, 210-211	1.7	1
7	A distinctive semiconductor-metalloid heterojunction: unique electronic structure and enhanced CO photoreduction activity.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 821-830	9.3	1
6	A Ti-OH bond breaking route for creating oxygen vacancy in titania towards efficient CO ₂ photoreduction. <i>Chemical Engineering Journal</i> , 2021 , 425, 131513	14.7	1
5	Synthesis of high surface area and well crystallized mesoporous WC at low temperature with a pore structure collapsed replication route. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 105-110	1	0
4	Computation-Aided Discovery and Synthesis of 2D PrOBr Photocatalyst. <i>ACS Energy Letters</i> , 1980-1986	20.1	0

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- 2 Electronic Structure Regulations of Polymeric Carbon Nitride via Molecular Engineering for Enhanced Photocatalytic Activity. *Solar Rrl*, 2100569 7.1
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