

# Jimin Xie

## List of Publications by Year in Descending Order

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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.

143  
papers

3,980  
citations

34  
h-index

57  
g-index

146  
ext. papers

4,603  
ext. citations

5.3  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
143	Synergistically coupling of Co/Mo <sub>2</sub> C/Co <sub>6</sub> Mo <sub>6</sub> C <sub>2</sub> @C electrocatalyst for overall water splitting: The role of carbon precursors in structural engineering and catalytic activity. <i>Applied Surface Science</i> , <b>2022</b> , 579, 152148	6.7	4
142	Chrysanthemum-like FeS/NiS heterostructure nanoarray as a robust bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 536-548	9.3	4
141	Prostate cancer biomarker citrate detection using triaminoguanidinium carbon dots, its applications in live cells and human urine samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 120622	4.4	1
140	Novel 3D graphene ornamented with CoO nanoparticles as an efficient bifunctional electrocatalyst for oxygen and hydrogen evolution reactions. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 261, 124237	4.4	8
139	Highly Stable Ultrafine Boron-Doped NiCo@Carbon Nanoparticles as a Robust Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , <b>2021</b> , 8, 1337-1348	4.3	3
138	Simultaneous synthesis of bimetallic@3D graphene electrocatalyst for HER and OER. <i>Frontiers of Materials Science</i> , <b>2021</b> , 15, 305-315	2.5	
137	Simultaneous fabrication of cobalt-based graphene with rich N dopant for hydrogen evolution reaction in basic medium. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 14010-14020	4.5	0
136	Hierarchical porous nitrogen-doped graphite from tissue paper as efficient electrode material for symmetric supercapacitor. <i>Journal of Power Sources</i> , <b>2021</b> , 492, 229670	8.9	8
135	Porous carbonized egg white as efficient electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 21112-21123	6.7	1
134	Facile Synthesis of Micro CuO Crystals for Li Ion Full Battery. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2021</b> , 31, 4434	3.2	0
133	Ni-Fe-Co based mixed metal/metal-oxides nanoparticles encapsulated in ultrathin carbon nanosheets: A bifunctional electrocatalyst for overall water splitting. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101361	4.1	5
132	Facile synthesis of N, S co-doped MoO <sub>2</sub> @C nanorods as an outstanding electrocatalyst for hydrogen evolution reaction. <i>Applied Surface Science</i> , <b>2021</b> , 537, 147971	6.7	15
131	Novel broad-spectrum-driven g-CN with oxygen-linked band and porous defect for photodegradation of bisphenol A, 2-mercaptophentiazole and ciprofloxacin. <i>Chemosphere</i> , <b>2021</b> , 268, 128839	8.4	6
130	Cobalt/Iron nanoparticles encapsulated in mesoporous carbon nanosheets: A one-pot synthesis of highly stable electrocatalysts for overall water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 5234-5249	6.7	17
129	Hierarchical ultrathin defect-rich CoFe <sub>2</sub> O <sub>4</sub> @BC nanoflowers synthesized via a temperature-regulated strategy with outstanding hydrogen evolution reaction activity. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1455-1467	6.8	7
128	Probing effective charge migration and highly improved photocatalytic activity on Polyaniline/Zn <sub>3</sub> In <sub>2</sub> S <sub>6</sub> nano-flower under long wavelength light. <i>Separation and Purification Technology</i> , <b>2021</b> , 274, 119004	8.3	6
127	Ni nanoparticles oriented on MoO <sub>2</sub> @BC nanosheets with an outstanding long-term stability for hydrogen evolution reaction. <i>Chemical Engineering Science</i> , <b>2021</b> , 246, 116868	4.4	2

126	Incorporation of pyridinic and graphitic N to Ni@CNTs: As a competent electrocatalyst for hydrogen evolution reaction. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 9157-9165	4.5	13
125	Microwave-assisted synthesis of mesoporous hemispherical graphite promoted with iron and nitrogen doping for reduction of oxygen. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 838, 155608	5.7	5
124	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119245	21.8	39
123	Size-controllable synthesis of zinc ferrite/reduced graphene oxide aerogels: efficient electrochemical sensing of p-nitrophenol. <i>Nanotechnology</i> , <b>2020</b> , 31, 435706	3.4	4
122	Interrelations between sulfur, iron, nitrogen, pore and graphite matrix for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 11321-11329	6.7	2
121	Reductive Aromatization of Quinols with B pin as Deoxidizing Agent. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1022-1024	4.5	0
120	Transition Metal-Free Alkyne-Aldehyde Reductive C-C Coupling through Cascade Borylation/Olefin Isomerization. <i>Helvetica Chimica Acta</i> , <b>2020</b> , 103, e2000028	2	1
119	Ni <sub>3</sub> Fe nanoparticles enclosed by B-doped carbon for efficient bifunctional performances of oxygen and hydrogen evolution reactions. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 835, 155267	5.7	24
118	F(1H-Pyrazol-4-yl)methylene-Hydrazide derivatives: Synthesis and antimicrobial activity. <i>Journal of Heterocyclic Chemistry</i> , <b>2020</b> , 57, 751-760	1.9	2
117	Trifluoroborane catalyzed chemoselective synthesis of highly functionalized 1,3-thiazin-2-ylidenes. <i>Journal of Heterocyclic Chemistry</i> , <b>2020</b> , 57, 3334	1.9	
116	NiCoP nanoparticles encapsulated in cross-linked graphene aerogel to efficient hydrogen evolution reaction. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 13521-13530	2.1	1
115	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/ZnInS nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121480	12.8	39
114	Facile Synthesis of ZnS Nanoparticles for Detection of O-nitrophenol. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 1320-1326	3.2	
113	Determination of picric acid using micro CdS crystal-modified glassy carbon electrode. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2020</b> , 100, 957-967	1.8	1
112	B-doped carbon enclosed Ni nanoparticles: A robust, stable and efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 869, 114085	4.1	9
111	Preparation and characterization of biodiesel waste-derived biomass for the removal of dye from contaminated water <b>2020</b> , 69, 365-375		2
110	Nitrogen doped porous carbon with iron promotion for oxygen reduction reaction in alkaline and acidic media. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 4090-4101	6.7	23
109	CoP nanoparticles encapsulated in three-dimensional N-doped porous carbon for efficient hydrogen evolution reaction in a broad pH range. <i>Applied Surface Science</i> , <b>2019</b> , 476, 749-756	6.7	38

108	Nickel loaded graphene-like carbon sheets an improved electrocatalyst for hydrogen evolution reaction. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 227, 105-110	4.4	15
107	In situ confined vertical growth of a 1D-CuCoS nanoarray on Ni foam covered by a 3D-PANI mesh layer to form a self-supporting hierarchical structure for high-efficiency oxygen evolution catalysis. <i>Nanoscale</i> , <b>2019</b> , 11, 12326-12336	7.7	19
106	3D graphene decorated with hexagonal micro-coin of Co(OH) <sub>2</sub> : A competent electrocatalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 14770-14779	6.7	25
105	Fabrication of CNTs encapsulated nickel-nickel phosphide nanoparticles on graphene for remarkable hydrogen evolution reaction performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 846, 113142	4.1	7
104	The effect of solvent parameters on properties of iron-based silica binary aerogels as adsorbents. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 549, 189-200	9.3	5
103	Robust bifunctional catalytic activities of N-doped carbon aerogel-nickel composites for electrocatalytic hydrogen evolution and hydrogenation of nitrocompounds. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 13334-13344	6.7	29
102	Transition-metal-free borylation of propargylic alcohols: structurally variable synthesis in ionic liquid medium. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 1895-1899	5.2	3
101	Electrochemical CO reduction on copper nanoparticles-dispersed carbon aerogels. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 545, 1-7	9.3	31
100	The construction of a Fenton system to achieve in situ H <sub>2</sub> O <sub>2</sub> generation and decomposition for enhanced photocatalytic performance. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1490-1500	6.8	15
99	Cobalt phosphide nanoparticles embedded in 3D N-doped porous carbon for efficient hydrogen and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 4543-4552	6.7	42
98	Nickel and cobalt in situ grown in 3-dimensional hierarchical porous graphene for effective methanol electro-oxidation reaction. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 838, 7-15	4.1	31
97	Controlled self-assembly synthesis of CuCo <sub>2</sub> O <sub>4</sub> /rGO for improving the morphology-dependent electrochemical oxygen evolution performance. <i>Applied Surface Science</i> , <b>2019</b> , 493, 710-718	6.7	12
96	Efficient removal of erichrome black T with biomass-derived magnetic carbonaceous aerogel sponge. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 248, 114387	3.1	8
95	Embedded cobalt sulfide/N-doped reduced graphene oxide nanocomposite for high-efficiency hydrogen evolution catalysis. <i>Materials Research Express</i> , <b>2019</b> , 6, 115508	1.7	4
94	Rational fabrication of chitosan/alginate/silica ternary aerogel beads adsorbent with free separation. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 142-145	0.9	3
93	Cu <sub>2</sub> O bimetallic nanospheres embedded in graphene as excellent anode catalysts for electrocatalytic oxygen evolution reaction. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 466-469	0.9	2
92	Construction of novel CNT/LaVO <sub>4</sub> nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 487-497	14.7	113
91	Chitosan and dextran stabilized GO-iron oxide nanosheets with high dispersibility for chemotherapy and photothermal ablation. <i>Ceramics International</i> , <b>2019</b> , 45, 5996-6003	5.1	14

90	In situ growth of M-MO (M = Ni, Co) in 3D graphene as a competent bifunctional electrocatalyst for OER and HER. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 163-171	6.7	70
89	Layer-by-layer modification of magnetic graphene oxide by chitosan and sodium alginate with enhanced dispersibility for targeted drug delivery and photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 176, 462-470	6	62
88	Novel broad spectrum light responsive PPy/hexagonal-SnS <sub>2</sub> photocatalyst for efficient photoreduction of Cr(VI). <i>Materials Research Bulletin</i> , <b>2019</b> , 112, 226-235	5.1	25
87	Iron promoted nitrogen doped porous graphite for efficient oxygen reduction reaction in alkaline and acidic media. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 819-827	5.7	16
86	In situ growth of N-doped carbon coated CoNi alloy with graphene decoration for enhanced HER performance. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 29, 129-135	12	28
85	Surface modification of graphene oxide nanosheets by protamine sulfate/sodium alginate for anti-cancer drug delivery application. <i>Applied Surface Science</i> , <b>2018</b> , 440, 853-860	6.7	69
84	A Rare Heterobimetallic Ca/Ag Coordination Polymer as Sensitive Luminescence Sensor for TNP. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 411-416	3	3
83	Microwave synthesis of three dimensional N-doped graphene self-supporting networks coated with Zinc/Nickel oxide nanocrystals for supercapacitor electrode applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 6991-7001	2.1	11
82	MP(M = Co/Ni)@carbon core-shell nanoparticles embedded in 3D cross-linked graphene aerogel derived from seaweed biomass for hydrogen evolution reaction. <i>Nanoscale</i> , <b>2018</b> , 10, 9698-9706	7.7	42
81	ZnS@carbonaceous aerogel composites fabricated in production of hydrogen and for removal of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 8523-8534	2.1	8
80	Multicomponent synthesis and anticancer activity studies of novel 6-(Trifluoromethyl)-1, 2, 3, 4-tetrahydropyrimidine-5-carboxylate derivatives. <i>Synthetic Communications</i> , <b>2018</b> , 48, 2226-2231	1.7	4
79	Facile synthesis of Cu nanoparticles on different morphology ZrO <sub>2</sub> supports for catalytic hydrogen generation from ammonia borane. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14971-14980	2.1	5
78	Comparative study of modified/non-modified aluminum and silica aerogels for anionic dye adsorption performance.. <i>RSC Advances</i> , <b>2018</b> , 8, 29129-29140	3.7	19
77	Renewable amberlyst-15 catalyzed highly regioselective tritylation and deprotection of sugar-based diols. <i>Journal of Carbohydrate Chemistry</i> , <b>2018</b> , 37, 318-326	1.7	1
76	Ternary MIL-100(Fe)@Fe <sub>3</sub> O <sub>4</sub> /CA magnetic nanophotocatalysts (MNPCs): Magnetically separable and Fenton-like degradation of tetracycline hydrochloride. <i>Advanced Powder Technology</i> , <b>2018</b> , 29, 3305-3314	4.6	35
75	Selective adsorption of organic dyes by porous hydrophilic silica aerogels from aqueous system. <i>Water Science and Technology</i> , <b>2018</b> , 78, 402-414	2.2	22
74	Graphene oxide-modified LaVO <sub>4</sub> nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2818-2828	6.8	22
73	Controllable synthesis of magnetic Fe <sub>3</sub> O <sub>4</sub> encapsulated semimetal Bi nanospheres with excellent stability and catalytic activity. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 13886-13899	4.3	8

72	Facile synthesis silver nanoparticles on different xerogel supports as highly efficient catalysts for the reduction of p-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 520, 743-756	5.1	43
71	Integrating AgI/AgBr biphasic heterostructures encased by few layer h-BN with enhanced catalytic activity and stability. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 496, 434-445	9.3	30
70	Carbon nitride coupled with CdS-TiO <sub>2</sub> 2 nanodots as 2D/0D ternary composite with enhanced photocatalytic H <sub>2</sub> evolution: A novel efficient three-level electron transfer process. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 194-204	21.8	109
69	Silver(I), nickel(II) N-heterocyclic carbene complexes based on bidentate bis-imidazolium salt with a quinoxaline linker: syntheses, structures, and characterization. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 615-625	1.6	4
68	Ag <sub>2</sub> S quantum dots in situ coupled to hexagonal SnS <sub>2</sub> with enhanced photocatalytic activity for MO and Cr(VI) removal. <i>RSC Advances</i> , <b>2017</b> , 7, 46823-46831	3.7	33
67	Nitrogen doped lotus stem carbon as electrocatalyst comparable to Pt/C for oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 20560-20567	6.7	33
66	Three coordination compounds based on benzene tetracarboxylate ligand: syntheses, structures, thermal behaviors and luminescence properties. <i>Journal of Chemical Sciences</i> , <b>2017</b> , 129, 1183-1191	1.8	1
65	In situ chemical transformation synthesis of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /BiOCl 2D/2D heterojunction systems for water pollution treatment and hydrogen production. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 3863-3875	5.5	49
64	Syntheses and characterization of two new compounds based on versatile 1,2,3,5-benzenetetracarboxylic acid and 2,2'-bibenzimidazole. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 2510-2519	1.6	1
63	Gentle way to build reduced titanium dioxide nanodots integrated with graphite-like carbon spheres: From DFT calculation to experimental measurement. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 204, 283-295	21.8	35
62	Chitosan/sodium alginate modified graphene oxide-based nanocomposite as a carrier for drug delivery. <i>Ceramics International</i> , <b>2016</b> , 42, 17798-17805	5.1	48
61	Constructing mesoporous Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> with enhanced visible light photocatalytic activity. <i>Materials Letters</i> , <b>2016</b> , 183, 303-306	3.3	16
60	An Efficient and Practical Method for Olefin Dihydroxylation. <i>Synthesis</i> , <b>2016</b> , 48, 3696-3700	2.9	3
59	Removal of cationic dyes from aqueous solution by adsorption onto hydrophobic/hydrophilic silica aerogel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 509, 539-549	5.1	112
58	Synthesis, characterization, and adsorption properties of silica aerogels crosslinked with diisocyanate under ambient drying. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 9472-9483	4.3	12
57	Lanthanide Metal-Organic Frameworks with Six-Coordinated Ln(III) Ions and Free Functional Organic Sites for Adsorptions and Extensive Catalytic Activities. <i>Scientific Reports</i> , <b>2016</b> , 6, 29728	4.9	17
56	Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. <i>RSC Advances</i> , <b>2016</b> , 6, 9328-9337	3.7	52
55	Nickel core/palladium shell nanoparticles grown on nitrogen-doped graphene with enhanced electrocatalytic performance for ethanol oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 33231-33239	3.7	24

54	Fabrication of noble-metal-free NiS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> hybrid photocatalysts with visible light-responsive photocatalytic activities. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 6483-6499	2.8	17
53	A controlled solvothermal approach to synthesize nanocrystalline iron oxide for congo red adsorptive removal from aqueous solutions. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 4481-4494	4.3	24
52	Biomass-derived multifunctional TiO <sub>2</sub> /carbonaceous aerogel composite as a highly efficient photocatalyst. <i>RSC Advances</i> , <b>2016</b> , 6, 25255-25266	3.7	29
51	Constructing graphite-like carbon nitride modified hierarchical yolk-shell TiO <sub>2</sub> spheres for water pollution treatment and hydrogen production. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1806-1818	13	200
50	In situ growth of Ag/Ag <sub>2</sub> O nanoparticles on g-C <sub>3</sub> N <sub>4</sub> by a natural carbon nanodot-assisted green method for synergistic photocatalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 3186-3197	3.7	26
49	Formation of cobalt silicide nanoparticles on graphene with a synergistic effect and high stability for ethanol oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 30293-30300	3.7	4
48	Ultrafine Co <sub>3</sub> O <sub>4</sub> embedded in nitrogen-doped graphene with synergistic effect and high stability for supercapacitors. <i>RSC Advances</i> , <b>2016</b> , 6, 48357-48364	3.7	24
47	A facile strategy for SnS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction composite and the mechanism in photocatalytic degradation of MO. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 425, 174-182		39
46	Exterior and small carbide particle promoted platinum electrocatalyst for efficient methanol oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 66665-66671	3.7	6
45	Solvothermal engineering of bismuth molybdate with C <sub>3</sub> N <sub>4</sub> nanosheets, and enhanced photocatalytic activity. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 9629-9642	2.8	9
44	Characterization and comparison of uniform hydrophilic/hydrophobic transparent silica aerogel beads: skeleton strength and surface modification. <i>RSC Advances</i> , <b>2015</b> , 5, 55579-55587	3.7	43
43	Mesoporous graphene-like nanobowls as Pt electrocatalyst support for highly active and stable methanol oxidation. <i>Journal of Power Sources</i> , <b>2015</b> , 284, 497-503	8.9	21
42	Preparation of nickel-silver core-shell nanoparticles by liquid-phase reduction for use in conductive paste. <i>Journal of Experimental Nanoscience</i> , <b>2015</b> , 10, 1347-1356	1.9	19
41	Controllable synthesis of fluorapatite microcrystals decorated with silver nanoparticles and their optical properties. <i>RSC Advances</i> , <b>2015</b> , 5, 12392-12396	3.7	10
40	Natural carbon nanodots assisted development of size-tunable metal (Pd, Ag) nanoparticles grafted on bionic dendritic Fe <sub>2</sub> O <sub>3</sub> for cooperative catalytic applications. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23607-23620	13	29
39	Hollow tungsten carbide/carbon sphere promoted Pt electrocatalyst for efficient methanol oxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 6790-6796	3.7	15
38	Silver-loaded nitrogen-doped yolk-shell mesoporous TiO <sub>2</sub> hollow microspheres with enhanced visible light photocatalytic activity. <i>Nanoscale</i> , <b>2015</b> , 7, 784-97	7.7	143
37	Highly efficient visible-light photocatalysts: reduced graphene oxide and C <sub>3</sub> N <sub>4</sub> nanosheets loaded with Ag nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 15993-15999	3.7	32

36	Angstrom-scale vanadium carbide rods as Pt electrocatalyst support for efficient methanol oxidation reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 9561-9564	3.7	7
35	A new visible light active multifunctional ternary composite based on TiO <sub>2</sub> /h2O3 nanocrystals heterojunction decorated porous graphitic carbon nitride for photocatalytic treatment of hazardous pollutant and H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 170-171, 195-205	21.8	140
34	Highly efficient heterojunction photocatalyst based on nanoporous g-C <sub>3</sub> N <sub>4</sub> sheets modified by Ag <sub>3</sub> PO <sub>4</sub> nanoparticles: synthesis and enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 417, 115-20	9.3	127
33	In situ synthesis of bimetallic Ag/Pt loaded single-crystalline anatase TiO <sub>2</sub> hollow nano-hemispheres and their improved photocatalytic properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 2384	3.3	58
32	MoC/graphite composite as a Pt electrocatalyst support for highly active methanol oxidation and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4014	13	97
31	Ag <sub>2</sub> S/g-C <sub>3</sub> N <sub>4</sub> composite photocatalysts for efficient Pt-free hydrogen production. The co-catalyst function of Ag/Ag <sub>2</sub> S formed by simultaneous photodeposition. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4878-85	4.3	168
30	Negative-charge-functionalized mesoporous silica nanoparticles as drug vehicles targeting hepatocellular carcinoma. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 474, 223-31	6.5	38
29	Silver nanoparticles stabilized by bundled tungsten oxide nanowires with catalytic and antibacterial activities. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 71-77	2.5	8
28	Deposition of Ag nanoparticles on g-C <sub>3</sub> N <sub>4</sub> nanosheet by N,N-dimethylformamide: Soft synthesis and enhanced photocatalytic activity. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 2170-2178	2.5	23
27	CTAB-assisted synthesis and characterization of Bi <sub>2</sub> WO <sub>6</sub> photocatalysts grown from WO <sub>3</sub> ·0.33H <sub>2</sub> O nanoplate precursors. <i>Monatshefte für Chemie</i> , <b>2014</b> , 145, 47-59	1.4	13
26	A theoretical study of molecular conformations and gelation ability of N,N'-dipyridyl urea compounds in ethanol solution: DFT calculations and MD simulations. <i>RSC Advances</i> , <b>2013</b> , 3, 18115	3.7	10
25	Small-sized Pt particles on mesoporous hollow carbon spheres for highly stable oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 256-261	6.7	24
24	Natural leaves-assisted synthesis of nitrogen-doped, carbon-rich nanodots-sensitized, Ag-loaded anatase TiO <sub>2</sub> square nanosheets with dominant {001} facets and their enhanced catalytic applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14963	13	64
23	Efficient Synthesis of 1-Acetylpyrene Using [Bmim]Cl/FeCl <sub>3</sub> Ionic Liquid as Dual Catalyst and Solvent. <i>International Journal of Chemical Reactor Engineering</i> , <b>2013</b> , 11, 1-7	1.2	51
22	Uniform Cu <sub>2</sub> Cl(OH) <sub>3</sub> hierarchical microspheres: A novel adsorbent for methylene blue adsorptive removal from aqueous solution. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 204, 305-313	3.3	31
21	Modifiers-assisted formation of nickel nanoparticles and their catalytic application to p-nitrophenol reduction. <i>CrystEngComm</i> , <b>2013</b> , 15, 560-569	3.3	221
20	Hydrothermal synthesis and properties of BiVO <sub>4</sub> photocatalysts. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 3408-3416	2.5	11
19	Tunable synthesis of enhanced photodegradation activity of brookite/anatase mixed-phase titanium dioxide. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 400-404	2.5	15



18	UV-resistant hydrophobic rutile titania aerogels synthesized through a nonalkoxide ambient pressure drying process. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 378-384	2.5	4
17	Synthetic bismuth silicate nanostructures: Photocatalysts grown from silica aerogels precursors. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1658-1668	2.5	12
16	Synthetic core-shell Ni@Pd nanoparticles supported on graphene and used as an advanced nanoelectrocatalyst for methanol oxidation. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2533	3.6	66
15	Facile route fabrication of nano-Ni core mesoporous-silica shell particles with high catalytic activity towards 4-nitrophenol reduction. <i>CrystEngComm</i> , <b>2012</b> , 14, 4601	3.3	99
14	Synthesis of 1-benzoylpyrene using silica-supported phosphotungstic heteropoly acid as an efficient and reusable catalyst. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 1388-1392	2.8	4
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12	A surface ion-imprinted mesoporous sorbent for separation and determination of Pb(II) ion by flame atomic absorption spectrometry. <i>Mikrochimica Acta</i> , <b>2011</b> , 172, 309-317	5.8	53
11	Photodegradation of lambda-cyhalothrin and cypermethrin in aqueous solution as affected by humic acid and/or copper: intermediates and degradation pathways. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2440-8	3.8	19
10	Selective Adsorption of Co(II) by Mesoporous Silica SBA-15-Supported Surface Ion Imprinted Polymer: Kinetics, Isotherms, and Thermodynamics Studies. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 387-398	4.9	31
9	Novel Countercation in MMX-Type Mixed-Valence Chain Compound: Coexistence of Neutral and Protonated Amino Substituents. <i>Polymers</i> , <b>2011</b> , 3, 1652-1661	4.5	6
8	Preparation and characterization of heterojunction semiconductor YFeO <sub>3</sub> /TiO <sub>2</sub> with an enhanced photocatalytic activity. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 104-109	2.5	15
7	Synthesis and Adsorption Performance of Surface-Grafted Co(II)-Imprinted Polymer for Selective Removal of Cobalt. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 28, 548-554	4.9	12
6	Brookite titania photocatalytic nanomaterials: Synthesis, properties, and applications. <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 2407-2415	2.1	34
5	Alkylation of anthracene to 2-isopropylanthracene catalyzed by Lewis acid ionic liquids. <i>Korean Journal of Chemical Engineering</i> , <b>2009</b> , 26, 1563-1567	2.8	17
4	Preparation of 3,6-dibenzoylacenaphthene in the presence of Lewis acidic ionic liquids. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2009</b> , 98, 355-363		9
3	Crystal Structure of a Hydrate Complex of Phthalic Acid [phth = o-phthalate]. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , <b>2008</b> , 24, X95-X96		
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1	Combined effect of cypermethrin and copper on catalase activity in soil. <i>Journal of Soils and Sediments</i> , <b>2008</b> , 8, 327-332	3.4	51

