

Wei Wei

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.

184
papers

6,409
citations

41
h-index

72
g-index

188
ext. papers

7,496
ext. citations

6.5
avg, IF

6.28
L-index

#	Paper	IF	Citations
184	Synergistically coupling of Co/Mo ₂ C/Co ₆ Mo ₆ C ₂ @C electrocatalyst for overall water splitting: The role of carbon precursors in structural engineering and catalytic activity. <i>Applied Surface Science</i> , 2022 , 579, 152148	6.7	4
183	Porous, thick nitrogen-doped carbon encapsulated large PtNi core-shell nanoparticles for oxygen reduction reaction with extreme stability and activity. <i>Carbon</i> , 2022 , 186, 36-45	10.4	2
182	Chrysanthemum-like FeS/NiS heterostructure nanoarray as a robust bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 536-548	9.3	4
181	Photocatalytic reduction of CO ₂ and degradation of Bisphenol-S by g-C ₃ N ₄ /Cu ₂ O@Cu S-scheme heterojunction: Study on the photocatalytic performance and mechanism insight. <i>Carbon</i> , 2022 , 193, 272-284	10.4	1
180	Enhancing the photocatalytic performance of g-C ₃ N ₄ by using iron single-atom doping for the reduction of U(VI) in aqueous solutions. <i>Journal of Solid State Chemistry</i> , 2022 , 312, 123160	3.3	0
179	Catalysts derived from Earth-abundant natural biomass enable efficient photocatalytic CO ₂ conversion for achieving a closed-loop carbon cycle. <i>Green Chemistry</i> , 2021 , 23, 9683-9692	10	0
178	Surface-amino-induced boosting solar conversion of CO ₂ to CO over natural metal-free catalyst. <i>Journal of CO₂ Utilization</i> , 2021 , 54, 101773	7.6	0
177	Graphene Nanosphere as Advanced Electrode Material to Promote High Performance Symmetrical Supercapacitor. <i>Small</i> , 2021 , 17, e2007915	11	14
176	Novel 3D graphene ornamented with CoO nanoparticles as an efficient bifunctional electrocatalyst for oxygen and hydrogen evolution reactions. <i>Materials Chemistry and Physics</i> , 2021 , 261, 124237	4.4	8
175	Highly Stable Ultrafine Boron-Doped NiCo@Carbon Nanoparticles as a Robust Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2021 , 8, 1337-1348	4.3	3
174	Simultaneous synthesis of bimetallic@3D graphene electrocatalyst for HER and OER. <i>Frontiers of Materials Science</i> , 2021 , 15, 305-315	2.5	
173	Construction of dual ion (Fe ³⁺ /Fe ²⁺ and Nb ⁵⁺ /Nb ⁴⁺) synergy and full spectrum 1D nanorod Fe ₂ O ₃ /NaNbO ₃ photo-Fenton catalyst for the degradation of antibiotic: Effects of H ₂ O ₂ , S ₂ O ₈ ²⁻ and toxicity. <i>Separation and Purification Technology</i> , 2021 , 261, 118269	8.3	10
172	Simultaneous fabrication of cobalt-based graphene with rich N dopant for hydrogen evolution reaction in basic medium. <i>International Journal of Energy Research</i> , 2021 , 45, 14010-14020	4.5	0
171	Hierarchical porous nitrogen-doped graphite from tissue paper as efficient electrode material for symmetric supercapacitor. <i>Journal of Power Sources</i> , 2021 , 492, 229670	8.9	8
170	Porous carbonized egg white as efficient electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 21112-21123	6.7	1
169	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> , 2021 , 26, 101361	4.1	5
168	Reduced graphene oxide decorated CoSnO ₃ @ZnSnO ₃ with multi-component double-layered hollow nanoboxes for high energy storage and capacity retention asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 157536	5.7	3

167	Facile synthesis of N, S co-doped MoO ₂ @C nanorods as an outstanding electrocatalyst for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2021 , 537, 147971	6.7	15
166	Novel ionic liquid modified carbon nitride fabricated by in situ pyrolysis of 1-butyl-3-methylimidazolium cyanamide to improve electronic structure for efficiently degradation of bisphenol A. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125648	5.1	2
165	Simplistic two-step fabrication of porous carbon-based biomass-derived electrocatalyst for efficient hydrogen evolution reaction. <i>Energy Conversion and Management</i> , 2021 , 227, 113628	10.6	11
164	Hierarchically grown ZnFe ₂ O ₄ -decorated polyaniline-coupled-graphene nanosheets as a novel electrocatalyst for selective detecting p-nitrophenol. <i>Microchemical Journal</i> , 2021 , 160, 105777	4.8	8
163	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> , 2021 , 268, 128839	8.4	6
162	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> , 2021 , 46, 5234-5249	6.7	17
161	Realizing the synergistic effect of electronic modulation over graphitic carbon nitride for highly efficient photodegradation of bisphenol A and 2-mercaptobenzothiazole: Mechanism, degradation pathway and density functional theory calculation. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 113-127	9.3	9
160	Mechanosynthesis of polymer-stabilized lead bromide perovskites: insight into the formation and phase conversion of nanoparticles. <i>Nano Research</i> , 2021 , 14, 1078-1086	10	0
159	Facile synthesis of Ni ₅ P ₄ nanosheets/nanoparticles for highly active and durable hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 11701-11710	6.7	6
158	A novel Z-scheme CeO ₂ /g-C ₃ N ₄ heterojunction photocatalyst for degradation of Bisphenol A and hydrogen evolution and insight of the photocatalysis mechanism. <i>Journal of Materials Science and Technology</i> , 2021 , 85, 18-29	9.1	21
157	Controllable fabrication of abundant nickel-nitrogen doped CNT electrocatalyst for robust hydrogen evolution reaction. <i>Applied Surface Science</i> , 2021 , 562, 150161	6.7	5
156	R&Ktitelbild: Freeze-Thaw-Promoted Fabrication of Clean and Hierarchically Structured Noble-Metal Aerogels for Electrocatalysis and Photoelectrocatalysis (Angew. Chem. 21/2020). <i>Angewandte Chemie</i> , 2020 , 132, 8379-8379	3.6	
155	Incorporation of pyridinic and graphitic N to Ni@CNTs: As a competent electrocatalyst for hydrogen evolution reaction. <i>International Journal of Energy Research</i> , 2020 , 44, 9157-9165	4.5	13
154	Microwave-assisted synthesis of mesoporous hemispherical graphite promoted with iron and nitrogen doping for reduction of oxygen. <i>Journal of Alloys and Compounds</i> , 2020 , 838, 155608	5.7	5
153	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119245	21.8	39
152	Size-controllable synthesis of zinc ferrite/reduced graphene oxide aerogels: efficient electrochemical sensing of p-nitrophenol. <i>Nanotechnology</i> , 2020 , 31, 435706	3.4	4
151	Freeze-Thaw-Promoted Fabrication of Clean and Hierarchically Structured Noble-Metal Aerogels for Electrocatalysis and Photoelectrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8293-8300	16.4	24
150	Interrelations between sulfur, iron, nitrogen, pore and graphite matrix for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 11321-11329	6.7	2

149	Preparation of magnetically recoverable and Z-scheme BaFe ₁₂ O ₁₉ /AgBr composite for degradation of 2-Mercaptobenzothiazole and Methyl orange under visible light. <i>Applied Surface Science</i> , 2020 , 521, 146343	6.7	8
148	Ni ₃ Fe nanoparticles enclosed by B-doped carbon for efficient bifunctional performances of oxygen and hydrogen evolution reactions. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155267	5.7	24
147	Fabrication of carbon nanotubes encapsulated cobalt phosphide on graphene: Cobalt promoted hydrogen evolution reaction performance. <i>Electrochimica Acta</i> , 2020 , 330, 135213	6.7	11
146	Self-assembling NiCo ₂ S ₄ nanorods arrays and T-Nb ₂ O ₅ nanosheets/three-dimensional nitrogen-doped garphene hybrid nanoarchitectures for advanced asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2020 , 392, 123669	14.7	35
145	Graphitic carbon nitride with different dimensionalities for energy and environmental applications. <i>Nano Research</i> , 2020 , 13, 18-37	10	102
144	NiCoP nanoparticles encapsulated in cross-linked graphene aerogel to efficient hydrogen evolution reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 13521-13530	2.1	1
143	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> , 2020 , 384, 121480	12.8	39
142	B-doped carbon enclosed Ni nanoparticles: A robust, stable and efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 869, 114085	4.1	9
141	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122659	12.8	11
140	Nitrogen doped porous carbon with iron promotion for oxygen reduction reaction in alkaline and acidic media. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 4090-4101	6.7	23
139	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> , 2019 , 476, 749-756	6.7	38
138	Nickel loaded graphene-like carbon sheets an improved electrocatalyst for hydrogen evolution reaction. <i>Materials Chemistry and Physics</i> , 2019 , 227, 105-110	4.4	15
137	Poly(styrene) Beads Grafted with Dendrimer Stabilized Gold Nanoparticles for Catalytic Reduction of 4-Nitrophenol. <i>Asian Journal of Chemistry</i> , 2019 , 31, 235-246	0.4	2
136	Heterogeneous form of poly (4-vinyl pyridine) beads based dendrimer stabilized Ag, Au and PdNPs catalyst for reduction of trypan blue. <i>Materials Science for Energy Technologies</i> , 2019 , 2, 532-542	5.2	3
135	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> , 2019 , 11, 12326-12336	7.7	19
134	Synthesis and studies of ZnO doped with g-C ₃ N ₄ nanocomposites for the degradation of tetracycline hydrochloride under the visible light irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103152	6.8	8
133	3D graphene decorated with hexagonal micro-coin of Co(OH) ₂ : A competent electrocatalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14770-14779	6.7	25
132	Fabrication of CNTs encapsulated nickel-nickel phosphide nanoparticles on graphene for remarkable hydrogen evolution reaction performance. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 846, 113142	4.1	7

131	The effect of solvent parameters on properties of iron-based silica binary aerogels as adsorbents. <i>Journal of Colloid and Interface Science</i> , 2019 , 549, 189-200	9.3	5
130	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> , 2019 , 44, 13334-13344	6.7	29
129	Electrochemical CO reduction on copper nanoparticles-dispersed carbon aerogels. <i>Journal of Colloid and Interface Science</i> , 2019 , 545, 1-7	9.3	31
128	Facile Surface Engineering of AgInZnS Quantum Dot Photocatalysts by Mixed-Ligand Passivation with Improved Charge Carrier Lifetime. <i>Catalysis Letters</i> , 2019 , 149, 1800-1812	2.8	14
127	The construction of a Fenton system to achieve in situ H ₂ O ₂ generation and decomposition for enhanced photocatalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1490-1500	6.8	15
126	Cobalt phosphide nanoparticles embedded in 3D N-doped porous carbon for efficient hydrogen and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 4543-4552	6.7	42
125	Nickel and cobalt in situ grown in 3-dimensional hierarchical porous graphene for effective methanol electro-oxidation reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 838, 7-15	4.1	31
124	In situ formation of small-scale Ag ₂ S nanoparticles in carbonaceous aerogel for enhanced photodegradation performance. <i>Journal of Molecular Liquids</i> , 2019 , 292, 111476	6	8
123	Controlled self-assembly synthesis of CuCo ₂ O ₄ /rGO for improving the morphology-dependent electrochemical oxygen evolution performance. <i>Applied Surface Science</i> , 2019 , 493, 710-718	6.7	12
122	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> , 2019 , 248, 114387	3.1	8
121	Highly efficient photocatalytic degradation of the Tetracycline hydrochloride on the Fe ₂ O ₃ @CN composite under the visible light. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103322	6.8	11
120	Embedded cobalt sulfide/N-doped reduced graphene oxide nanocomposite for high-efficiency hydrogen evolution catalysis. <i>Materials Research Express</i> , 2019 , 6, 115508	1.7	4
119	Rational fabrication of chitosan/alginate/silica ternary aerogel beads adsorbent with free separation. <i>Micro and Nano Letters</i> , 2019 , 14, 142-145	0.9	3
118	Cu ₂ O bimetallic nanospheres embedded in graphene as excellent anode catalysts for electrocatalytic oxygen evolution reaction. <i>Micro and Nano Letters</i> , 2019 , 14, 466-469	0.9	2
117	BiPO ₄ nanorods anchored in biomass-based carbonaceous aerogel skeleton: A 2D-3D heterojunction composite as an energy-efficient photocatalyst. <i>Journal of Supercritical Fluids</i> , 2019 , 147, 33-41	4.2	16
116	Dispersed copper nanoparticles promote the electron mobility of nitrogen-rich graphitized carbon aerogel for electrochemical determination of 4-nitrophenol. <i>Mikrochimica Acta</i> , 2019 , 186, 853	5.8	7
115	Construction of novel CNT/LaVO ₄ nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , 2019 , 357, 487-497	14.7	113
114	Novel one-step synthesis of nickel encapsulated carbon nanotubes as efficient electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2685-2693	6.7	30

113	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> , 2019 , 298, 163-171	6.7	70
112	One-step synthesis of Fe-doped surface-alkalinized g-C ₃ N ₄ and their improved visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2019 , 469, 739-746	6.7	71
111	Integrating CoO _x cocatalyst on hexagonal Fe ₂ O ₃ for effective photocatalytic oxygen evolution. <i>Applied Surface Science</i> , 2019 , 469, 933-940	6.7	33
110	Iron promoted nitrogen doped porous graphite for efficient oxygen reduction reaction in alkaline and acidic media. <i>Journal of Alloys and Compounds</i> , 2019 , 773, 819-827	5.7	16
109	In situ growth of N-doped carbon coated CoNi alloy with graphene decoration for enhanced HER performance. <i>Journal of Energy Chemistry</i> , 2019 , 29, 129-135	12	28
108	Nitrogen/sulfur co-doped graphene networks uniformly coupled N-Fe ₂ O ₃ nanoparticles achieving enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2018 , 266, 242-253	6.7	42
107	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> , 2018 , 10, 9698-9706	7.7	42
106	ZnS@carbonaceous aerogel composites fabricated in production of hydrogen and for removal of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 8523-8534	2.1	8
105	Graphite-like carbon nitride coupled with tiny Bi ₂ S ₃ nanoparticles as 2D/0D heterojunction with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2018 , 444, 75-86	6.7	38
104	Cobalt encapsulated N-doped defect-rich carbon nanotube as pH universal hydrogen evolution electrocatalyst. <i>Applied Surface Science</i> , 2018 , 446, 10-17	6.7	40
103	Enhanced photocatalytic activity over flower-like sphere Ag/Ag ₂ CO ₃ /BiVO ₄ plasmonic heterojunction photocatalyst for tetracycline degradation. <i>Chemical Engineering Journal</i> , 2018 , 331, 242-254	14.7	215
102	Facile synthesis of Cu nanoparticles on different morphology ZrO ₂ supports for catalytic hydrogen generation from ammonia borane. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 14971-14980	2.1	5
101	Fabrication of Ag/AgCl/ZnFe ₂ O ₄ composites with enhanced photocatalytic activity for pollutant degradation and E. coli disinfection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 553, 114-124	5.1	34
100	Comparative study of modified/non-modified aluminum and silica aerogels for anionic dye adsorption performance. <i>RSC Advances</i> , 2018 , 8, 29129-29140	3.7	19
99	Ternary MIL-100(Fe)@Fe ₃ O ₄ /CA magnetic nanophotocatalysts (MNPCs): Magnetically separable and Fenton-like degradation of tetracycline hydrochloride. <i>Advanced Powder Technology</i> , 2018 , 29, 3305-3314	4.6	35
98	Selective adsorption of organic dyes by porous hydrophilic silica aerogels from aqueous system. <i>Water Science and Technology</i> , 2018 , 78, 402-414	2.2	22
97	Graphene oxide-modified LaVO ₄ nanocomposites with enhanced photocatalytic degradation efficiency of antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2818-2828	6.8	22
96	Controllable synthesis of magnetic Fe ₃ O ₄ encapsulated semimetal Bi nanospheres with excellent stability and catalytic activity. <i>Journal of Materials Science</i> , 2018 , 53, 13886-13899	4.3	8

95	Nature-based catalyst for visible-light-driven photocatalytic CO ₂ reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 2382-2389	35.4	145
94	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> , 2017 , 520, 743-756	5.1	43
93	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> , 2017 , 496, 434-445	9.3	30
92	Carbon nitride coupled with CdS-TiO ₂ nanodots as 2D/0D ternary composite with enhanced photocatalytic H ₂ evolution: A novel efficient three-level electron transfer process. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 194-204	21.8	109
91	Ag ₂ S quantum dots in situ coupled to hexagonal SnS ₂ with enhanced photocatalytic activity for MO and Cr(VI) removal. <i>RSC Advances</i> , 2017 , 7, 46823-46831	3.7	33
90	Isolation and Characterization of Aphidicolin Derivatives from <i>Tolypocladium inflatum</i> . <i>Molecules</i> , 2017 , 22,	4.8	5
89	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> , 2017 , 42, 20560-20567	6.7	33
88	Construction of Bi ₂ Ti ₂ O ₇ /Bi ₄ Ti ₃ O ₁₂ composites with enhanced visible light photocatalytic activity. <i>Materials Letters</i> , 2017 , 206, 245-248	3.3	16
87	In situ chemical transformation synthesis of Bi ₄ Ti ₃ O ₁₂ /BiOCl 2D/2D heterojunction systems for water pollution treatment and hydrogen production. <i>Catalysis Science and Technology</i> , 2017 , 7, 3863-3875	5.5	49
86	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> , 2017 , 204, 283-295	21.8	35
85	Smart strategy to synthesis silver-based heterogeneous photocatalysts grown from molybdenum oxide precursor. <i>Micro and Nano Letters</i> , 2017 , 12, 978-981	0.9	3
84	Constructing polyurethane sponge modified with silica/graphene oxide nanohybrids as a ternary sorbent. <i>Chemical Engineering Journal</i> , 2016 , 284, 478-486	14.7	75
83	Constructing mesoporous Bi ₄ Ti ₃ O ₁₂ with enhanced visible light photocatalytic activity. <i>Materials Letters</i> , 2016 , 183, 303-306	3.3	16
82	Removal of cationic dyes from aqueous solution by adsorption onto hydrophobic/hydrophilic silica aerogel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 509, 539-549	5.1	112
81	Synthesis, characterization, and adsorption properties of silica aerogels crosslinked with diisocyanate under ambient drying. <i>Journal of Materials Science</i> , 2016 , 51, 9472-9483	4.3	12
80	Graphene-analogue BN-modified microspherical BiOI photocatalysts driven by visible light. <i>Dalton Transactions</i> , 2016 , 45, 2505-16	4.3	42
79	Nickel core/palladium shell nanoparticles grown on nitrogen-doped graphene with enhanced electrocatalytic performance for ethanol oxidation. <i>RSC Advances</i> , 2016 , 6, 33231-33239	3.7	24
78	Fabrication of noble-metal-free NiS ₂ /g-C ₃ N ₄ hybrid photocatalysts with visible light-responsive photocatalytic activities. <i>Research on Chemical Intermediates</i> , 2016 , 42, 6483-6499	2.8	17

77	A controlled solvothermal approach to synthesize nanocrystalline iron oxide for congo red adsorptive removal from aqueous solutions. <i>Journal of Materials Science</i> , 2016 , 51, 4481-4494	4.3	24
76	Biomass-derived multifunctional TiO ₂ /carbonaceous aerogel composite as a highly efficient photocatalyst. <i>RSC Advances</i> , 2016 , 6, 25255-25266	3.7	29
75	Constructing graphite-like carbon nitride modified hierarchical yolk-shell TiO ₂ spheres for water pollution treatment and hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1806-1818	13	200
74	In situ growth of Ag/Ag ₂ O nanoparticles on g-C ₃ N ₄ by a natural carbon nanodot-assisted green method for synergistic photocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 3186-3197	3.7	26
73	Carbon nitride nanowires/nanofibers: A novel template-free synthesis from a cyanuric chloride-ethylamine precursor towards enhanced adsorption and visible-light photocatalytic performance. <i>Ceramics International</i> , 2016 , 42, 4158-4170	5.1	49
72	Fabrication of polysiloxane-modified polyurethane sponge as low-cost organics/water separation and selective absorption material. <i>Water Science and Technology</i> , 2016 , 74, 1936-1945	2.2	4
71	Formation of cobalt silicide nanoparticles on graphene with a synergistic effect and high stability for ethanol oxidation. <i>RSC Advances</i> , 2016 , 6, 30293-30300	3.7	4
70	Nickel-based xerogel catalysts: Synthesis via fast sol-gel method and application in catalytic hydrogenation of p-nitrophenol to p-aminophenol. <i>Applied Surface Science</i> , 2016 , 382, 135-143	6.7	30
69	A facile strategy for SnS ₂ /g-C ₃ N ₄ heterojunction composite and the mechanism in photocatalytic degradation of MO. <i>Journal of Molecular Catalysis A</i> , 2016 , 425, 174-182		39
68	Use of Carbon Nanotubes as a Solid Support To Establish Quantitative (Centrifugation) and Qualitative (Filtration) Immunoassays To Detect Gentamicin Contamination in Commercial Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 7874-7881	5.7	13
67	Exterior and small carbide particle promoted platinum electrocatalyst for efficient methanol oxidation. <i>RSC Advances</i> , 2016 , 6, 66665-66671	3.7	6
66	Cage-like pores of a metal-organic framework for separations and encapsulation of Pd nanoparticles for efficient catalysis. <i>New Journal of Chemistry</i> , 2015 , 39, 2669-2674	3.6	12
65	Solvothermal engineering of bismuth molybdate with C ₃ N ₄ nanosheets, and enhanced photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2015 , 41, 9629-9642	2.8	9
64	Characterization and comparison of uniform hydrophilic/hydrophobic transparent silica aerogel beads: skeleton strength and surface modification. <i>RSC Advances</i> , 2015 , 5, 55579-55587	3.7	43
63	An ultrastable bimetallic carbide as platinum electrocatalyst support for highly active oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015 , 295, 156-161	8.9	14
62	Hollow molybdenum carbide sphere promoted Pt electrocatalyst for oxygen reduction and methanol oxidation reaction. <i>Journal of Power Sources</i> , 2015 , 286, 239-246	8.9	27
61	Efficient coupling of nanoparticles to electrochemically exfoliated graphene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5576-81	16.4	69
60	Mesoporous graphene-like nanobowls as Pt electrocatalyst support for highly active and stable methanol oxidation. <i>Journal of Power Sources</i> , 2015 , 284, 497-503	8.9	21

59	A bimetallic carbide Fe ₂ MoC promoted Pd electrocatalyst with performance superior to Pt/C towards the oxygen reduction reaction in acidic media. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 636-641	21.8	46
58	Natural carbon nanodots assisted development of size-tunable metal (Pd, Ag) nanoparticles grafted on bionic dendritic Fe ₂ O ₃ for cooperative catalytic applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23607-23620	13	29
57	Cell wall disruption in low temperature NaOH/urea solution and its potential application in lignocellulose pretreatment. <i>Cellulose</i> , 2015 , 22, 3559-3568	5.5	24
56	In situ synthesis of silver supported nanoporous iron oxide microbox hybrids from metal-organic frameworks and their catalytic application in p-nitrophenol reduction. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 2550-9	3.6	68
55	Hollow tungsten carbide/carbon sphere promoted Pt electrocatalyst for efficient methanol oxidation. <i>RSC Advances</i> , 2015 , 5, 6790-6796	3.7	15
54	Silver-loaded nitrogen-doped yolk-shell mesoporous TiO ₂ hollow microspheres with enhanced visible light photocatalytic activity. <i>Nanoscale</i> , 2015 , 7, 784-97	7.7	143
53	Enzyme-linked immunosorbent assay for triclocarban in aquatic environments. <i>Water Science and Technology</i> , 2015 , 72, 1682-91	2.2	3
52	Angstrom-sized tungsten carbide promoted platinum electrocatalyst for effective oxygen reduction reaction and resource saving. <i>RSC Advances</i> , 2015 , 5, 96488-96494	3.7	5
51	Tungsten Carbide Synthesized by Polystyrene Sphere Template Method Promoting Pd Electrocatalyst for Alcohol Oxidation in Alkaline Media. <i>Fuel Cells</i> , 2015 , 15, 256-261	2.9	10
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47	Preparation of cobalt silicide on graphene as Pt electrocatalyst supports for highly efficient and stable methanol oxidation in acidic media. <i>Electrochimica Acta</i> , 2015 , 161, 48-54	6.7	21
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45	Angstrom-scale vanadium carbide rods as Pt electrocatalyst support for efficient methanol oxidation reaction. <i>RSC Advances</i> , 2015 , 5, 9561-9564	3.7	7
44	A new visible light active multifunctional ternary composite based on TiO ₂ /h ₂ O ₃ nanocrystals heterojunction decorated porous graphitic carbon nitride for photocatalytic treatment of hazardous pollutant and H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2015 , 170-171, 195-205	21.8	140
43	Improved catalytic activity of cobalt core-platinum shell nanoparticles supported on surface functionalized graphene for methanol electro-oxidation. <i>Electrochimica Acta</i> , 2015 , 158, 81-88	6.7	40
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