

Yiwei Zhang

List of Publications by Citations

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165
papers

3,925
citations

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168
ext. papers

4,731
ext. citations

6.2
avg, IF

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L-index

#	Paper	IF	Citations
165	Facile one-step synthesis of hollow mesoporous g-C ₃ N ₄ spheres with ultrathin nanosheets for photoredox water splitting. <i>Carbon</i> , 2018 , 126, 247-256	10.4	153
164	Anchoring CoFeO Nanoparticles on N-Doped Carbon Nanofibers for High-Performance Oxygen Evolution Reaction. <i>Advanced Science</i> , 2017 , 4, 1700226	13.6	152
163	Propane dehydrogenation on PtSn/ZSM-5 catalyst: Effect of tin as a promoter. <i>Catalysis Communications</i> , 2006 , 7, 860-866	3.2	136
162	One-pot synthesis of K-doped g-C ₃ N ₄ nanosheets with enhanced photocatalytic hydrogen production under visible-light irradiation. <i>Applied Surface Science</i> , 2018 , 440, 258-265	6.7	110
161	Comparative study of bimetallic Pt-Sn catalysts supported on different supports for propane dehydrogenation. <i>Journal of Molecular Catalysis A</i> , 2014 , 381, 138-147		109
160	Effect of La addition on catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Applied Catalysis A: General</i> , 2007 , 333, 202-210	5.1	83
159	Sn-Modified ZSM-5 As Support for Platinum Catalyst in Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 7896-7902	3.9	77
158	Reactable Polyelectrolyte-Assisted Synthesis of BiOCl with Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1416-1424	8.3	76
157	Structure and catalytic properties of the Zn-modified ZSM-5 supported platinum catalyst for propane dehydrogenation. <i>Chemical Engineering Journal</i> , 2015 , 270, 352-361	14.7	74
156	Hollow Co ₃ O ₄ /CeO ₂ Heterostructures in Situ Embedded in N-Doped Carbon Nanofibers Enable Outstanding Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17950-17957	8.3	63
155	Effect of magnesium addition on catalytic performance of PtSnK/Al ₂ O ₃ catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , 2011 , 92, 1632-1638	7.2	62
154	Effect of Alumina Binder on Catalytic Performance of PtSnNa/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 2213-2219	3.9	62
153	Facile Synthesis of Self-Assembled g-C ₃ N ₄ with Abundant Nitrogen Defects for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10200-10210	8.3	58
152	Mesoporous cobalt-iron-organic frameworks: a plasma-enhanced oxygen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3090-3100	13	57
151	CdS nanosphere-decorated hollow polyhedral ZCO derived from a metal-organic framework (MOF) for effective photocatalytic water evolution. <i>Nanoscale</i> , 2018 , 10, 4463-4474	7.7	57
150	Bio-template synthesis of Mo-doped polymer carbon nitride for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 44-53	21.8	56
149	Self-Assembled 3D Flower-like Composites of Heterobimetallic Phosphides and Carbon for Temperature-Tailored Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38361-38371	9.5	53

148	A highly reactive and magnetic recyclable catalytic system based on AuPt nanoalloys supported on ellipsoidal Fe@SiO ₂ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4642-4651	13	53
147	Influence of Calcium Addition on Catalytic Properties of PtSn/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Catalysis Letters</i> , 2009 , 129, 449-456	2.8	53
146	Immobilization of NiCo Nanoparticles into N-Doped Carbon Nanotube/Nanofiber Integrated Hierarchically Branched Architectures toward Efficient Overall Water Splitting. <i>Advanced Science</i> , 2020 , 7, 1902371	13.6	51
145	Direct synthesis, characterization and catalytic application of SBA-15 mesoporous silica with heteropolyacid incorporated into their framework. <i>Microporous and Mesoporous Materials</i> , 2014 , 187, 7-13	5.3	49
144	Effect of Sodium Addition to PtSn/AlSBA-15 on the Catalytic Properties in Propane Dehydrogenation. <i>Catalysis Letters</i> , 2011 , 141, 120-127	2.8	49
143	Ionic liquid-assisted synthesis of Br-modified g-C ₃ N ₄ semiconductors with high surface area and highly porous structure for photoredox water splitting. <i>Journal of Power Sources</i> , 2017 , 370, 106-113	8.9	47
142	Propane dehydrogenation over PtSnNa/La-doped Al ₂ O ₃ catalyst: Effect of La content. <i>Fuel Processing Technology</i> , 2013 , 111, 94-104	7.2	46
141	Effect of K Addition on Catalytic Performance of PtSn/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Catalysis Letters</i> , 2010 , 135, 76-82	2.8	46
140	Effect of La calcination temperature on catalytic performance of PtSnNaLa/ZSM-5 catalyst for propane dehydrogenation. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 530-537	14.7	44
139	Effect of hydrothermal treatment on catalytic properties of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Microporous and Mesoporous Materials</i> , 2006 , 96, 245-254	5.3	44
138	NiCo hydroxide nanosheets on plasma-reduced Co-based metal-organic nanocages for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4950-4959	13	42
137	Hierarchical Honeycomb Br-, N-Codoped TiO ₂ with Enhanced Visible-Light Photocatalytic H ₂ Production. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18796-18804	9.5	42
136	Well-crystallized mesoporous TiO ₂ shells for enhanced photocatalytic activity: prepared by carbon coating and silica-protected calcination. <i>Dalton Transactions</i> , 2013 , 42, 5004-12	4.3	39
135	Effect of zinc addition on catalytic properties of PtSnK/Al ₂ O ₃ catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , 2012 , 96, 220-227	7.2	36
134	Highly dispersed Pd nanoparticles hybridizing with 3D hollow-sphere g-C ₃ N ₄ to construct 0D/3D composites for efficient photocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , 2019 , 378, 331-340	7.3	34
133	Immobilization of Fe ₃ N nanoparticles within N-doped carbon nanosheet frameworks as a high-efficiency electrocatalyst for oxygen reduction reaction in Zn-air batteries. <i>Carbon</i> , 2019 , 153, 364-371	10.4	33
132	Immobilization of 12-tungstophosphoric acid on LaSBA-15 and its catalytic activity for alkylation of o-xylene with styrene. <i>Chemical Engineering Journal</i> , 2012 , 179, 295-301	14.7	33
131	Synthesis and characterization of a novel Au nanocatalyst with increased thermal stability. <i>Dalton Transactions</i> , 2014 , 43, 1360-7	4.3	32

130	Self-Assembled Mesoporous Carbon Nitride with Tunable Texture for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8291-8299	8.3	32
129	Synthesis of ordered mesoporous LaO-ZrO composites with encapsulated Pt NPs and the effect of La-doping on catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017 , 503, 178-185	9.3	31
128	Reactable polyelectrolyte-assisted preparation of flower-like Ag/AgCl/BiOCl composite with enhanced photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 350, 94-102	4.7	31
127	Encapsulation of Au nanoparticles with well-crystallized anatase TiO ₂ mesoporous hollow spheres for increased thermal stability. <i>RSC Advances</i> , 2014 , 4, 7313	3.7	29
126	Effect of calcination temperature on catalytic properties of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Catalysis Communications</i> , 2007 , 8, 1009-1016	3.2	29
125	Effect of Magnesium Addition to PtSnNa/ZSM-5 on the Catalytic Properties in the Dehydrogenation of Propane. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 9885-9891	3.9	28
124	Synthesis of novel ultrasmall Au-loaded magnetic SiO ₂ /carbon yolk-shell ellipsoids as highly reactive and recoverable nanocatalysts. <i>Carbon</i> , 2017 , 121, 602-611	10.4	27
123	Morphological and structure dual modulation of cobalt-based layer double hydroxides by Ni doping and 2-methylimidazole inducing as bifunctional electrocatalysts for overall water splitting. <i>Journal of Power Sources</i> , 2018 , 400, 172-182	8.9	27
122	In-situ formation of supported Au nanoparticles in hierarchical yolk-shell CeO/mSiO structures as highly reactive and sinter-resistant catalysts. <i>Journal of Colloid and Interface Science</i> , 2017 , 488, 196-206	9.3	27
121	Ionic liquid-assisted photochemical synthesis of ZnO/Ag ₂ O heterostructures with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017 , 410, 344-353	6.7	26
120	Influence of Binder on the Catalytic Performance of PtSnNa/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 8142-8147	3.9	26
119	Interface Coupling of Ni ₂ O ₃ Layered Double Hydroxide Nanowires and Cobalt-Based Zeolite Organic Frameworks for Efficient Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8255-8264	8.3	25
118	An Adsorption Study of CH ₄ on ZSM-5, MOR, and ZSM-12 Zeolites. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28970-28978	3.8	25
117	Synthesis of immobilized heteropolyanion-based ionic liquids on mesoporous silica SBA-15 as a heterogeneous catalyst for alkylation. <i>RSC Advances</i> , 2014 , 4, 30697-30703	3.7	24
116	Synthesis and characterization of hollow ZrO(2)TiO(2)/Au spheres as a highly thermal stability nanocatalyst. <i>Journal of Colloid and Interface Science</i> , 2017 , 497, 23-32	9.3	23
115	Synthesis and characterization of porous TiO ₂ -NS/Pt/GO aerogel: A novel three-dimensional composite with enhanced visible-light photoactivity in degradation of chlortetracycline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 1-9	4.7	23
114	Fabrication of sandwich-structured g-C ₃ N ₄ /Au/BiOCl Z-scheme photocatalyst with enhanced photocatalytic performance under visible light irradiation. <i>Journal of Materials Science</i> , 2018 , 53, 6008-6020	6.2	23
113	Influence of Lanthanum Addition on Catalytic Properties of PtSnK/Al ₂ O ₃ Catalyst for Isobutane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4280-4285	3.9	23

112	Double-Shelled TiO Hollow Spheres Assembled with TiO Nanosheets. <i>Chemistry - A European Journal</i> , 2017 , 23, 4336-4343	4.8	22
111	CeO ₂ hollow nanospheres synthesized by a one pot template-free hydrothermal method and their application as catalyst support. <i>RSC Advances</i> , 2015 , 5, 58237-58245	3.7	22
110	Nanocasting synthesis of an ordered mesoporous CeO ₂ -supported Pt nanocatalyst with enhanced catalytic performance for the reduction of 4-nitrophenol. <i>RSC Advances</i> , 2016 , 6, 730-739	3.7	22
109	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Au nanoparticles assembled in the inner surface of SiO ₂ hollow nanotubes. <i>Dalton Transactions</i> , 2014 , 43, 11039-47	4.3	22
108	Synthesis of magnesium-modified mesoporous Al ₂ O ₃ with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , 2014 , 49, 5772-5781	4.3	22
107	Effect of the competitive adsorbates on the catalytic performances of PtSnK/Al ₂ O ₃ catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , 2012 , 104, 23-30	7.2	22
106	In situ doping of Pt active sites via Sn in double-shelled TiO ₂ hollow nanospheres with enhanced photocatalytic H ₂ production efficiency. <i>New Journal of Chemistry</i> , 2017 , 41, 11089-11096	3.6	22
105	Well-designed cobalt-nickel sulfide microspheres with unique peapod-like structure for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 401-410	9.3	21
104	Hierarchical structures based on gold nanoparticles embedded into hollow ceria spheres and mesoporous silica layers with high catalytic activity and stability. <i>New Journal of Chemistry</i> , 2015 , 39, 9372-9379	3.6	21
103	Synthesis of dendrimer-templated Pt nanoparticles immobilized on mesoporous alumina for p-nitrophenol reduction. <i>New Journal of Chemistry</i> , 2015 , 39, 9942-9950	3.6	21
102	Propane dehydrogenation over Ce-containing ZSM-5 supported platinum catalysts: Ce concentration effect and reaction performance analysis. <i>RSC Advances</i> , 2016 , 6, 29410-29422	3.7	21
101	A spontaneous dissolution approach to carbon coated TiO ₂ hollow composite spheres with enhanced visible photocatalytic performance. <i>Applied Surface Science</i> , 2013 , 286, 344-350	6.7	21
100	Influence of the different dechlorination time on catalytic performances of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Fuel Processing Technology</i> , 2009 , 90, 1524-1531	7.2	21
99	Engineering water splitting sites in three-dimensional flower-like CoNiB/MoS ₂ heterostructural hybrid spheres for accelerating electrocatalytic oxygen and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22181-22190	13	21
98	Synthesis of graphitic carbon nitride with large specific surface area via copolymerizing with nucleobases for photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2019 , 463, 1-8	6.7	20
97	A novel hierarchical TiO ₂ @Pt@mSiO ₂ hollow nanocatalyst with enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 780-787	5.7	19
96	Synthesis of Ce-doped mesoporous alumina with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , 2015 , 50, 3984-3993	4.3	19
95	Hierarchical porous bimetal-sulfide bi-functional nanocatalysts for hydrogen production by overall water electrolysis. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 426-435	9.3	19

94	N-carbon supported hierarchical Ni/Ni _{0.2} Mo _{0.8} N nanosheets as high-efficiency oxygen evolution electrocatalysts. <i>Chemical Engineering Journal</i> , 2020 , 392, 124845	14.7	19
93	Fabrication of Ellipsoidal Silica Yolk-Shell Magnetic Structures with Extremely Stable Au Nanoparticles as Highly Reactive and Recoverable Catalysts. <i>Langmuir</i> , 2017 , 33, 2698-2708	4	18
92	Synthesis of NiO-TiO ₂ hybrids/mSiO ₂ yolk-shell architectures embedded with ultrasmall gold nanoparticles for enhanced reactivity. <i>Applied Surface Science</i> , 2017 , 412, 616-626	6.7	18
91	In-situ construction of Au nanoparticles confined in double-shelled TiO ₂ /mSiO ₂ hollow architecture for excellent catalytic activity and enhanced thermal stability. <i>Applied Surface Science</i> , 2017 , 392, 36-45	6.7	18
90	Enhanced catalytic activity with high thermal stability based on multiple Au cores in the interior of mesoporous SiO ₂ shells. <i>RSC Advances</i> , 2015 , 5, 48187-48193	3.7	18
89	Synergistic effect between Sn and K promoters on supported platinum catalyst for isobutane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , 2011 , 20, 639-646		18
88	Poly(ionic liquid)-Assisted Synthesis of Open-Ended Carbon Nitride Tube for Efficient Photocatalytic Hydrogen Evolution under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10095-10104	8.3	17
87	An examination of alkali-exchanged BEA zeolites as possible Lewis-acid catalysts. <i>Microporous and Mesoporous Materials</i> , 2016 , 225, 472-481	5.3	17
86	Effect of aluminum modification on catalytic properties of PtSn-based catalysts supported on SBA-15 for propane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , 2012 , 21, 207-214		17
85	One-step synthesis of core-shell structured mesoporous silica spheres templated by protic ionic liquid and CTAB. <i>Materials Letters</i> , 2016 , 178, 35-38	3.3	17
84	Synthesis of a hierarchical SiO ₂ /Au/CeO ₂ rod-like nanostructure for high catalytic activity and recyclability. <i>RSC Advances</i> , 2015 , 5, 34549-34556	3.7	16
83	Synthesis of micro/mesoporous silica material by dual-template method as a heterogeneous catalyst support for alkylation. <i>RSC Advances</i> , 2015 , 5, 28124-28132	3.7	16
82	Synthesis and characterization of carbon nanotubes supported Au nanoparticles encapsulated in various oxide shells. <i>RSC Advances</i> , 2014 , 4, 51334-51341	3.7	16
81	Effect of Preparation Processes on Catalytic Performance of PtSnNa/ZSM-5 for Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 5598-5603	3.9	16
80	Construction of three-dimensional mesoporous carbon nitride with high surface area for efficient visible-light-driven hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 601-608	9.3	16
79	Self-Assembly Hierarchical Silica Nanotubes with Vertically Aligned Silica Nanorods and Embedded Platinum Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1578-1585	8.3	15
78	Ionic liquid-assisted synthesis of highly dispersive bowknot-like ZnO microrods for photocatalytic applications. <i>Applied Surface Science</i> , 2017 , 400, 269-276	6.7	15
77	Catalytic structure and reaction performance of PtSnK/ZSM-5 catalyst for propane dehydrogenation: influence of impregnation strategy. <i>Journal of Materials Science</i> , 2015 , 50, 6457-6468	4.3	15

76	Preparation of platinum nanoparticles immobilized on ordered mesoporous Co ₃ O ₄ @CeO ₂ composites and their enhanced catalytic activity. <i>RSC Advances</i> , 2016 , 6, 67173-67183	3-7	15
75	Synthesis and characterization of Pt magnetic nanocatalysts with a TiO ₂ or CeO ₂ layer. <i>RSC Advances</i> , 2015 , 5, 12472-12479	3-7	15
74	Immobilization of 12-Tungstophosphoric acid in alumina-grafted mesoporous LaSBA-15 and its catalytic activity for alkylation of o-xylene with styrene. <i>Microporous and Mesoporous Materials</i> , 2012 , 161, 25-32	5-3	15
73	Bimetal-Organic Frameworks from In Situ-Activated NiFe Foam for Highly Efficient Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1826-1836	8-3	15
72	The synthesis of new coke-resistant support and its application in propane dehydrogenation to propene. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1072-1081	3-5	14
71	Two dimensional metal-organic frameworks-derived leaf-like CoS/CdS composite for enhancing photocatalytic water evolution. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 39-47	9-3	14
70	Effect of cerium addition on catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , 2012 , 21, 324-331		14
69	Facile one-step synthesis of micro/mesoporous material with ordered bimodal mesopores templated by protic ionic liquid as a heterogeneous catalyst support for alkylation. <i>Journal of Porous Materials</i> , 2015 , 22, 1407-1416	2-4	13
68	Sn ²⁺ -Doped Double-Shelled TiO ₂ Hollow Nanospheres with Minimal Pt Content for Significantly Enhanced Solar H ₂ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7128-7137	8-3	13
67	Influence of alumina binder content on catalytic properties of PtSnNa/AlSBA-15 catalysts. <i>Microporous and Mesoporous Materials</i> , 2012 , 161, 33-39	5-3	13
66	Effect of different lanthanum source and preparation method on the lanthanum-doped mesoporous SBA-15 synthesis. <i>Journal of Porous Materials</i> , 2011 , 18, 677-683	2-4	13
65	Influence of the Competitive Adsorbates on the Catalytic Properties of PtSnNaMg/ZSM-5 Catalysts for Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4345-4350	3-9	13
64	Effect of calcination atmosphere on the catalytic properties of PtSnNaMg/ZSM-5 for propane dehydrogenation. <i>Catalysis Communications</i> , 2009 , 10, 2013-2017	3-2	13
63	Interface Nanoengineering of PdNi-S/C Nanowires by Sulfite-Induced for Enhancing Electrocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2243-2251	9-5	13
62	Synthesis of polymeric ionic liquids microspheres/Pd nanoparticles/CeO ₂ core-shell structure catalyst for catalytic oxidation of benzyl alcohol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 107, 161-170	5-3	13
61	Preparation of porous CuO nanosheet-like structure (CuO-NS) using C ₃ N ₄ template with enhanced visible-light photoactivity in degradation of chlortetracycline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 168-176	4-7	12
60	A 3D hierarchical magnetic Fe@Pt/Ti(OH) ₄ nanoarchitecture for sinter-resistant catalyst. <i>RSC Advances</i> , 2015 , 5, 64951-64960	3-7	12
59	Synthesis and characterization of a multifunctional nanocatalyst based on a novel type of binary-metal-oxide-coated Fe ₃ O ₄ @Au nanoparticle. <i>RSC Advances</i> , 2016 , 6, 18685-18694	3-7	12

58	Anchoring ultrafine PtNi nanoparticles on N-doped graphene for highly efficient hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2019 , 9, 4961-4969	5.5	12
57	Co-CoO/ZnFeO encapsulated in carbon nanowires derived from MOFs as electrocatalysts for hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 620-628	9.3	12
56	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Pt nanoparticles assembled in the inner surface of mesoporous SiO ₂ spherical shell. <i>Powder Technology</i> , 2015 , 284, 387-395	5.2	11
55	Preparation of magnetically recoverable gold nanocatalysts with a highly reactive and enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 23-31	5.7	11
54	Anisotropic growth of SiO ₂ and TiO ₂ mixed oxides onto Au nanostructures: highly thermal stability and enhanced reaction activity. <i>RSC Advances</i> , 2014 , 4, 40078-40084	3.7	11
53	Effect of ultrasonic irradiation on the catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Ultrasonics Sonochemistry</i> , 2011 , 18, 19-22	8.9	11
52	Highly Active and Green Aminopropyl-Immobilized Phosphotungstic Acid on Mesoporous LaSBA-15 for Alkylation of O-xylene with Styrene. <i>Catalysis Letters</i> , 2012 , 142, 360-367	2.8	10
51	Preparation of TiO ₂ /ZrO ₂ /Au/CeO ₂ hollow sandwich-like nanostructures for excellent catalytic activity and thermal stability. <i>New Journal of Chemistry</i> , 2017 , 41, 13472-13482	3.6	9
50	Preparation of disk-like Pt/CeO ₂ -p-TiO ₂ catalyst derived from MIL-125(Ti) for excellent catalytic performance. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4395	3.1	9
49	Interfacial engineering-induced electronic regulation drastically enhances the electrocatalytic oxygen evolution: Immobilization of Janus-structured NiS/NiO nanoparticles onto carbon nanotubes/nanofiber-integrated superstructures. <i>Chemical Engineering Journal</i> , 2022 , 428, 131094	14.7	9
48	Self-assembly of hollow spherical nanocatalysts with encapsulated Pt NPs and the effect of Ce-dipping on catalytic activity. <i>RSC Advances</i> , 2016 , 6, 70303-70310	3.7	8
47	Optically active polyurethane based on tyrosine: synthesis, characterization and study of hydrogen bonding. <i>Polymer Journal</i> , 2016 , 48, 807-812	2.7	8
46	Ultrasound-assisted synthesis of nanosized hierarchical ZSM-5 and its catalytic performance as the support for heteropolyacid. <i>Journal of Porous Materials</i> , 2014 , 21, 241-249	2.4	8
45	Synthesis of core-shell-structured SBA-15@MgAl ₂ O ₄ with enhanced catalytic performance of propane dehydrogenation. <i>Journal of Materials Science</i> , 2014 , 49, 1170-1178	4.3	8
44	Atomically Dispersed Mo Sites Anchored on Multichannel Carbon Nanofibers toward Superior Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , 2021 ,	16.7	8
43	A 3D peony-like sulfur-doped carbon nitride synthesized by self-assembly for efficient photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 20481-20491	6.7	8
42	Ultrasonic/microwave synergistic synthesis of well-dispersed hierarchical zeolite Y with improved alkylation catalytic activity. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 1931-1937	2.8	8
41	CdS nanospheres hybridized with graphitic C ₃ N ₄ for effective photocatalytic hydrogen generation under visible light irradiation. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4671	3.1	8

40	Novel heterostructural Fe ₂ O ₃ CeO ₂ /Au/carbon yolk-shell magnetic ellipsoids assembled with ultrafine Au nanoparticles for superior catalytic performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 65-76	5.3	7
39	Self-assembly structural transition of protic ionic liquids and P123 for inducing hierarchical porous materials. <i>RSC Advances</i> , 2016 , 6, 35076-35085	3.7	7
38	The investigation of Ag decorated double-wall hollow TiO ₂ spheres as photocatalyst. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4160	3.1	7
37	Synthesis of double-shell hollow magnetic Au-loaded ellipsoids as highly active and recoverable nanoreactors. <i>New Journal of Chemistry</i> , 2017 , 41, 4448-4457	3.6	6
36	Hybrid-Cyanogels Induced Sandwich-like N,P-Carbon/SnNi ₁₀ P ₃ for Excellent Lithium Storage. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3683-3691	6.1	6
35	Synergic effects of a protic ionic liquid on P123 mixed micelles for inducing hierarchical porous materials. <i>RSC Advances</i> , 2015 , 5, 53267-53274	3.7	6
34	Morphology-controlled fabrication of biomorphic alumina-based hierarchical LDH compounds for propane dehydrogenation reaction. <i>New Journal of Chemistry</i> , 2018 , 42, 103-110	3.6	6
33	Encapsulation of NiCo nanoparticles into foam-like porous N,P-codoped carbon nanosheets: Electronic and architectural dual regulations toward high-efficiency water electrolysis. <i>Chemical Engineering Journal</i> , 2021 , 410, 128325	14.7	6
32	A novel strategy to fabricate a hierarchical NiAl LDH platinum nanocatalyst with enhanced thermal stability. <i>New Journal of Chemistry</i> , 2017 , 41, 8837-8844	3.6	5
31	Zirconium incorporated micro/mesoporous silica solid acid catalysts for alkylation of o-xylene with styrene. <i>Journal of Porous Materials</i> , 2017 , 24, 109-120	2.4	5
30	Manipulation of Mott-Schottky Ni/CeO Heterojunctions into N-Doped Carbon Nanofibers for High-Efficiency Electrochemical Water Splitting.. <i>Small</i> , 2022 , e2106592	11	5
29	Ti ₃ C ₂ Quantum Dots Modified 3D/2D TiO ₂ /g-C ₃ N ₄ S-Scheme Heterostructures for Highly Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> ,	6.1	5
28	Fe-based MOFs@Pd@COFs with spatial confinement effect and electron transfer synergy of highly dispersed Pd nanoparticles for Suzuki-Miyaura coupling reaction. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 809-819	9.3	5
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26	Dispersed gold nanoparticles supported in the pores of flower-like macrocellular siliceous foams based on an ionic liquid as catalysts for reduction. <i>RSC Advances</i> , 2016 , 6, 48757-48766	3.7	5
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