

# Yiwei Zhang

## 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.

165  
papers

3,925  
citations

33  
h-index

51  
g-index

168  
ext. papers

4,731  
ext. citations

6.2  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
165	Manipulation of Mott-Schottky Ni/CeO Heterojunctions into N-Doped Carbon Nanofibers for High-Efficiency Electrochemical Water Splitting.. <i>Small</i> , <b>2022</b> , e2106592	11	5
164	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> , <b>2022</b> , 608, 809-819	9.3	5
163	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> , <b>2022</b> , 428, 131094	14.7	9
162	A MXene-based multiple catalyst for highly efficient photocatalytic removal of nitrate.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
161	A nanoflower-like polypyrrole-based cobalt-nickel sulfide hybrid heterostructures with electrons migration to boost overall water splitting.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 618, 1-10	9.3	0
160	Construction of 1D/0D/2D Zn <sub>0.5</sub> Cd <sub>0.5</sub> S/PdAg/g-C <sub>3</sub> N <sub>4</sub> ternary heterojunction composites for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	1
159	Atomically Dispersed Mo Sites Anchored on Multichannel Carbon Nanofibers toward Superior Electrocatalytic Hydrogen Evolution. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
158	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> , <b>2021</b> , 410, 128325	14.7	6
157	The charge transfer pathway of CoO QDs/g-C <sub>3</sub> N <sub>4</sub> composites for highly efficient photocatalytic hydrogen evolution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 415, 113305	4.7	3
156	NiCoP/NF 1D/2D Biomimetic Architecture for Markedly Enhanced Overall Water Splitting. <i>ChemElectroChem</i> , <b>2021</b> , 8, 3064-3072	4.3	2
155	A 3D peony-like sulfur-doped carbon nitride synthesized by self-assembly for efficient photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 20481-20491	6.7	8
154	C-Rich Graphitic Carbon Nitride with Cross Pore Channels: A Visible-Light-Driven Photocatalyst for Water Splitting. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1784-1792	6.1	4
153	Controllable fabrication of 3D porous carbon nitride with ultra-thin nanosheets templated by ionic liquid for highly efficient water splitting. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 25004-25014	6.7	2
152	Confinement of sulfur-doped NiO nanoparticles into N-doped carbon nanotube/nanofiber-coupled hierarchical branched superstructures: Electronic modulation by anion doping boosts oxygen evolution electrocatalysis. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 63, 585-585	12	3
151	Porous 2D cobalt-nickel phosphide triangular nanowall architecture assembled by 3D microsphere for enhanced overall water splitting. <i>Applied Surface Science</i> , <b>2021</b> , 569, 150762	6.7	3
150	Bimetallic Organic Frameworks from In Situ-Activated NiFe Foam for Highly Efficient Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 1826-1836	8.3	15
149	Well-Designed Spherical Covalent Organic Frameworks with an Electron-Deficient and Conjugate System for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 14111-14120	6.1	0

148	Synthesis of carbon nitride hollow microspheres with highly hierarchical porosity templated by poly (ionic liquid) for photocatalytic hydrogen evolution. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5474	3.1	4
147	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> , <b>2020</b> , 561, 601-608	9.3	16
146	Hierarchical porous bimetal-sulfide bi-functional nanocatalysts for hydrogen production by overall water electrolysis. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 426-435	9.3	19
145	Dopamine-assisted synthesis of rGO@NiPd@NC sandwich structure for highly efficient hydrogen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 137-144	2.6	5
144	Interface Nanoengineering of PdNi-S/C Nanowires by Sulfite-Induced for Enhancing Electrocatalytic Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2243-2251	9.5	13
143	Co-CoO/ZnFeO encapsulated in carbon nanowires derived from MOFs as electrocatalysts for hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 620-628	9.3	12
142	Immobilization of NiCo Nanoparticles into N-Doped Carbon Nanotube/Nanofiber Integrated Hierarchically Branched Architectures toward Efficient Overall Water Splitting. <i>Advanced Science</i> , <b>2020</b> , 7, 1902371	13.6	51
141	Synthesis of polymeric ionic liquids microspheres/Pd nanoparticles/CeO <sub>2</sub> core-shell structure catalyst for catalytic oxidation of benzyl alcohol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 107, 161-170	5.3	13
140	Engineering water splitting sites in three-dimensional flower-like CoNiB/MoS <sub>2</sub> heterostructural hybrid spheres for accelerating electrocatalytic oxygen and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22181-22190	13	21
139	N-carbon supported hierarchical Ni/Ni <sub>0.2</sub> Mo <sub>0.8</sub> N nanosheets as high-efficiency oxygen evolution electrocatalysts. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 124845	14.7	19
138	The catalytic performance study of polymerized ionic liquid synthesized in different conditions on alkylation of o-Xylene with styrene. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e5186	3.1	
137	Well-designed cobalt-nickel sulfide microspheres with unique peapod-like structure for overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 401-410	9.3	21
136	Self-Assembled 3D Flower-like Composites of Heterobimetallic Phosphides and Carbon for Temperature-Tailored Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38361-38371	9.5	53
135	Highly dispersed Pd nanoparticles hybridizing with 3D hollow-sphere g-C <sub>3</sub> N <sub>4</sub> to construct 0D/3D composites for efficient photocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , <b>2019</b> , 378, 331-340	7.3	34
134	Mesoporous cobalt-iron-organic frameworks: a plasma-enhanced oxygen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3090-3100	13	57
133	NiCo hydroxide nanosheets on plasma-reduced Co-based metal-organic nanocages for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4950-4959	13	42
132	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> , <b>2019</b> , 7, 10095-10104	8.3	17
131	Hybrid-Cyanogels Induced Sandwich-like N,P-Carbon/SnNi <sub>10</sub> P <sub>3</sub> for Excellent Lithium Storage. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 3683-3691	6.1	6

130	Interface Coupling of NiCo Layered Double Hydroxide Nanowires and Cobalt-Based Zeolite Organic Frameworks for Efficient Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8255-8264	8.3	25
129	Bio-template synthesis of Mo-doped polymer carbon nitride for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 44-53	21.8	56
128	Synthesis of graphitic carbon nitride with large specific surface area via copolymerizing with nucleobases for photocatalytic hydrogen generation. <i>Applied Surface Science</i> , <b>2019</b> , 463, 1-8	6.7	20
127	Anchoring ultrafine PtNi nanoparticles on N-doped graphene for highly efficient hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 4961-4969	5.5	12
126	Preparation of cyclonic Co <sub>3</sub> O <sub>4</sub> /Au/mesoporous SiO <sub>2</sub> catalysts with core-shell structure for solvent-free oxidation of benzyl alcohol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 102, 448-455	5.3	3
125	Immobilization of Fe <sub>3</sub> N nanoparticles within N-doped carbon nanosheet frameworks as a high-efficiency electrocatalyst for oxygen reduction reaction in Zn-air batteries. <i>Carbon</i> , <b>2019</b> , 153, 364-371	19.4	33
124	Fabrication of mesoporous SiO <sub>2</sub> /Au/Co <sub>3</sub> O <sub>4</sub> hollow spheres catalysts with core-shell structure for liquid phase oxidation of benzyl alcohol to benzaldehyde. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 103, 138-148	5.3	3
123	Two dimensional metal-organic frameworks-derived leaf-like CoS/CdS composite for enhancing photocatalytic water evolution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 554, 39-47	9.3	14
122	Hollow Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> Heterostructures in Situ Embedded in N-Doped Carbon Nanofibers Enable Outstanding Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17950-17957	8.3	63
121	CdS nanospheres hybridized with graphitic C <sub>3</sub> N <sub>4</sub> for effective photocatalytic hydrogen generation under visible light irradiation. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4671	3.1	8
120	Sn <sup>2+</sup> -Doped Double-Shelled TiO <sub>2</sub> Hollow Nanospheres with Minimal Pt Content for Significantly Enhanced Solar H <sub>2</sub> Production. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 7128-7137	8.3	13
119	Hierarchical TiO <sub>2</sub> nanosheet-assembled nanotubes with dual electron sink functional sites for efficient photocatalytic degradation of rhodamine B. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4204	3.1	3
118	One-pot synthesis of K-doped g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced photocatalytic hydrogen production under visible-light irradiation. <i>Applied Surface Science</i> , <b>2018</b> , 440, 258-265	6.7	110
117	CdS nanosphere-decorated hollow polyhedral ZCO derived from a metal-organic framework (MOF) for effective photocatalytic water evolution. <i>Nanoscale</i> , <b>2018</b> , 10, 4463-4474	7.7	57
116	Novel synthesis of Fe <sub>2</sub> O <sub>3</sub> @Pt ellipsoids coated by double-shelled La <sub>2</sub> O <sub>3</sub> as a catalyst for the reduction of 4-nitrophenol. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4208	3.1	4
115	Fabrication and characterization of double-shelled CeO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> /Au/Fe <sub>3</sub> O <sub>4</sub> hollow architecture as a recyclable and highly thermal stability nanocatalyst. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4201	3.1	1
114	Morphology-controlled fabrication of biomorphic alumina-based hierarchical LDH compounds for propane dehydrogenation reaction. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 103-110	3.6	6
113	Fabrication of sandwich-structured g-C <sub>3</sub> N <sub>4</sub> /Au/BiOCl Z-scheme photocatalyst with enhanced photocatalytic performance under visible light irradiation. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 6008-6020	4.3	23

112	A novel thermal exfoliation strategy for the fabrication of high-quality Ag/TiO <sub>2</sub> nanosnowman nanoparticles with enhanced photocatalytic properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 6168-6174	3.6	3
111	Facile one-step synthesis of hollow mesoporous g-C <sub>3</sub> N <sub>4</sub> spheres with ultrathin nanosheets for photoredox water splitting. <i>Carbon</i> , <b>2018</b> , 126, 247-256	10.4	153
110	Reactable polyelectrolyte-assisted preparation of flower-like Ag/AgCl/BiOCl composite with enhanced photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 350, 94-102	4.7	31
109	Facile Synthesis of Self-Assembled g-C <sub>3</sub> N <sub>4</sub> with Abundant Nitrogen Defects for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10200-10210	8.3	58
108	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> , <b>2018</b> , 400, 172-182	8.9	27
107	The investigation of Ag decorated double-wall hollow TiO <sub>2</sub> spheres as photocatalyst. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4160	3.1	7
106	Preparation of disk-like Pt/CeO <sub>2</sub> -p-TiO <sub>2</sub> catalyst derived from MIL-125(Ti) for excellent catalytic performance. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4395	3.1	9
105	Hierarchical Honeycomb Br-, N-Codoped TiO with Enhanced Visible-Light Photocatalytic H <sub>2</sub> Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18796-18804	9.5	42
104	Self-Assembled Mesoporous Carbon Nitride with Tunable Texture for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8291-8299	8.3	32
103	A novel strategy to construct Ti-Si mixed oxides shell for yolk@shell Pt nanocatalyst. <i>Materials Letters</i> , <b>2017</b> , 188, 172-175	3.3	4
102	A novel hierarchical TiO <sub>2</sub> @Pt@mSiO <sub>2</sub> hollow nanocatalyst with enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 701, 780-787	5.7	19
101	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> , <b>2017</b> , 497, 23-32	9.3	23
100	Fabrication of Ellipsoidal Silica Yolk-Shell Magnetic Structures with Extremely Stable Au Nanoparticles as Highly Reactive and Recoverable Catalysts. <i>Langmuir</i> , <b>2017</b> , 33, 2698-2708	4	18
99	Double-Shelled TiO Hollow Spheres Assembled with TiO Nanosheets. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4336-4343	4.8	22
98	Synthesis of NiO-TiO <sub>2</sub> hybrids/mSiO <sub>2</sub> yolk-shell architectures embedded with ultras-small gold nanoparticles for enhanced reactivity. <i>Applied Surface Science</i> , <b>2017</b> , 412, 616-626	6.7	18
97	Synthesis of double-shell hollow magnetic Au-loaded ellipsoids as highly active and recoverable nanoreactors. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 4448-4457	3.6	6
96	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> , <b>2017</b> , 503, 178-185	9.3	31
95	Preparation of porous CuO nanosheet-liked structure (CuO-NS) using C <sub>3</sub> N <sub>4</sub> template with enhanced visible-light photoactivity in degradation of chlortetracycline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 346, 168-176	4.7	12

94	Synthesis of novel ultrasmall Au-loaded magnetic SiO <sub>2</sub> /carbon yolk-shell ellipsoids as highly reactive and recoverable nanocatalysts. <i>Carbon</i> , <b>2017</b> , 121, 602-611	10.4	27
93	Synthesis and characterization of porous TiO <sub>2</sub> -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> , <b>2017</b> , 346, 1-9	4.7	23
92	Ionic liquid-assisted photochemical synthesis of ZnO/Ag <sub>2</sub> O heterostructures with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , <b>2017</b> , 410, 344-353	6.7	26
91	Self-Assembly Hierarchical Silica Nanotubes with Vertically Aligned Silica Nanorods and Embedded Platinum Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1578-1585	8.3	15
90	Ionic liquid-assisted synthesis of highly dispersive bowknot-like ZnO microrods for photocatalytic applications. <i>Applied Surface Science</i> , <b>2017</b> , 400, 269-276	6.7	15
89	Reactable Polyelectrolyte-Assisted Synthesis of BiOCl with Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1416-1424	8.3	76
88	Protic ionic liquid triggered self-assembly structural transition of CTAB for inducing silica spheres with radially oriented mesochannels. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 899-904	2.4	1
87	Ionic liquid-assisted synthesis of Br-modified g-C <sub>3</sub> N <sub>4</sub> semiconductors with high surface area and highly porous structure for photoredox water splitting. <i>Journal of Power Sources</i> , <b>2017</b> , 370, 106-113	8.9	47
86	Preparation of TiO <sub>2</sub> /ZrO <sub>2</sub> /Au/CeO <sub>2</sub> hollow sandwich-like nanostructures for excellent catalytic activity and thermal stability. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13472-13482	3.6	9
85	A novel strategy to fabricate a hierarchical NiAl LDH platinum nanocatalyst with enhanced thermal stability. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 8837-8844	3.6	5
84	Anchoring CoFeO Nanoparticles on N-Doped Carbon Nanofibers for High-Performance Oxygen Evolution Reaction. <i>Advanced Science</i> , <b>2017</b> , 4, 1700226	13.6	152
83	Novel heterostructural Fe <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> /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> , <b>2017</b> , 81, 65-76	5.3	7
82	In-situ formation of supported Au nanoparticles in hierarchical yolk-shell CeO <sub>m</sub> /SiO <sub>2</sub> structures as highly reactive and sinter-resistant catalysts. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 488, 196-206	9.3	27
81	Zirconium incorporated micro/mesoporous silica solid acid catalysts for alkylation of o-xylene with styrene. <i>Journal of Porous Materials</i> , <b>2017</b> , 24, 109-120	2.4	5
80	In-situ construction of Au nanoparticles confined in double-shelled TiO <sub>2</sub> /mSiO <sub>2</sub> hollow architecture for excellent catalytic activity and enhanced thermal stability. <i>Applied Surface Science</i> , <b>2017</b> , 392, 36-45	6.7	18
79	In situ doping of Pt active sites via Sn in double-shelled TiO <sub>2</sub> hollow nanospheres with enhanced photocatalytic H <sub>2</sub> production efficiency. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 11089-11096	3.6	22
78	The synthesis of new coke-resistant support and its application in propane dehydrogenation to propene. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 1072-1081	3.5	14
77	Preparation of magnetically recoverable gold nanocatalysts with a highly reactive and enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 688, 23-31	5.7	11

76	Self-assembly of hollow spherical nanocatalysts with encapsulated Pt NPs and the effect of Ce-dipping on catalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 70303-70310	3.7	8
75	Preparation of platinum nanoparticles immobilized on ordered mesoporous Co <sub>3</sub> O <sub>4</sub> @CeO <sub>2</sub> composites and their enhanced catalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 67173-67183	3.7	15
74	Optically active polyurethane based on tyrosine: synthesis, characterization and study of hydrogen bonding. <i>Polymer Journal</i> , <b>2016</b> , 48, 807-812	2.7	8
73	Synthesis of Pt Nanoparticles Anchored on Polyamidoamine-Modified Hollow Silica Nanospheres for Catalytic Reduction of p-Nitrophenol. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2016</b> , 26, 702-710	3.2	1
72	Propane dehydrogenation over Ce-containing ZSM-5 supported platinum catalysts: Ce concentration effect and reaction performance analysis. <i>RSC Advances</i> , <b>2016</b> , 6, 29410-29422	3.7	21
71	An examination of alkali-exchanged BEA zeolites as possible Lewis-acid catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 225, 472-481	5.3	17
70	Synthesis and characterization of a multifunctional nanocatalyst based on a novel type of binary-metal-oxide-coated Fe <sub>3</sub> O <sub>4</sub> @Au nanoparticle. <i>RSC Advances</i> , <b>2016</b> , 6, 18685-18694	3.7	12
69	Nanocasting synthesis of an ordered mesoporous CeO <sub>2</sub> -supported Pt nanocatalyst with enhanced catalytic performance for the reduction of 4-nitrophenol. <i>RSC Advances</i> , <b>2016</b> , 6, 730-739	3.7	22
68	Ultrasonic/microwave synergistic synthesis of well-dispersed hierarchical zeolite Y with improved alkylation catalytic activity. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 1931-1937	2.8	8
67	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> , <b>2016</b> , 6, 48757-48766	3.7	5
66	Self-assembly structural transition of protic ionic liquids and P123 for inducing hierarchical porous materials. <i>RSC Advances</i> , <b>2016</b> , 6, 35076-35085	3.7	7
65	One-step synthesis of core-shell structured mesoporous silica spheres templated by protic ionic liquid and CTAB. <i>Materials Letters</i> , <b>2016</b> , 178, 35-38	3.3	17
64	One-step synthesis of hierarchical aluminosilicates using alkoxy-functionalized ionic liquid as a novel template. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6036-6045	3.6	4
63	Structure and catalytic properties of the Zn-modified ZSM-5 supported platinum catalyst for propane dehydrogenation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 270, 352-361	14.7	74
62	Influence of pseudo-boehmite binder modified dealuminated mordenite on Friedel-Crafts alkylation. <i>Journal of Porous Materials</i> , <b>2015</b> , 22, 179-185	2.4	4
61	A 3D hierarchical magnetic Fe@Pt/Ti(OH) <sub>4</sub> nanoarchitecture for sinter-resistant catalyst. <i>RSC Advances</i> , <b>2015</b> , 5, 64951-64960	3.7	12
60	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Pt nanoparticles assembled in the inner surface of mesoporous SiO <sub>2</sub> spherical shell. <i>Powder Technology</i> , <b>2015</b> , 284, 387-395	5.2	11
59	Catalytic structure and reaction performance of PtSnK/ZSM-5 catalyst for propane dehydrogenation: influence of impregnation strategy. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 6457-6468	4.3	15

58	Synthesis of a hierarchical SiO <sub>2</sub> /Au/CeO <sub>2</sub> rod-like nanostructure for high catalytic activity and recyclability. <i>RSC Advances</i> , <b>2015</b> , 5, 34549-34556	3.7	16
57	Synergic effects of a protic ionic liquid on P123 mixed micelles for inducing hierarchical porous materials. <i>RSC Advances</i> , <b>2015</b> , 5, 53267-53274	3.7	6
56	CeO <sub>2</sub> hollow nanospheres synthesized by a one pot template-free hydrothermal method and their application as catalyst support. <i>RSC Advances</i> , <b>2015</b> , 5, 58237-58245	3.7	22
55	Synthesis of Ce-doped mesoporous alumina with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3984-3993	4.3	19
54	Synthesis of micro/mesoporous silica material by dual-template method as a heterogeneous catalyst support for alkylation. <i>RSC Advances</i> , <b>2015</b> , 5, 28124-28132	3.7	16
53	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> , <b>2015</b> , 39, 9372-9379	3.6	21
52	Synthesis of dendrimer-templated Pt nanoparticles immobilized on mesoporous alumina for p-nitrophenol reduction. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 9942-9950	3.6	21
51	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> , <b>2015</b> , 22, 1407-1416	2.4	13
50	Enhanced catalytic activity with high thermal stability based on multiple Au cores in the interior of mesoporous SiO <sub>2</sub> shells. <i>RSC Advances</i> , <b>2015</b> , 5, 48187-48193	3.7	18
49	An Adsorption Study of CH <sub>4</sub> on ZSM-5, MOR, and ZSM-12 Zeolites. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 28970-28978	3.8	25
48	Effects of the crystallization time on the synthesis of zeolite with flower-shaped crystals. <i>Materials Letters</i> , <b>2015</b> , 143, 261-264	3.3	2
47	A highly reactive and magnetic recyclable catalytic system based on AuPt nanoalloys supported on ellipsoidal Fe@SiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4642-4651	1.3	53
46	Synthesis and characterization of Pt magnetic nanocatalysts with a TiO <sub>2</sub> or CeO <sub>2</sub> layer. <i>RSC Advances</i> , <b>2015</b> , 5, 12472-12479	3.7	15
45	Comparative study of bimetallic Pt-Sn catalysts supported on different supports for propane dehydrogenation. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 381, 138-147		109
44	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Au nanoparticles assembled in the inner surface of SiO <sub>2</sub> hollow nanotubes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11039-47	4.3	22
43	Anisotropic growth of SiO <sub>2</sub> and TiO <sub>2</sub> mixed oxides onto Au nanostructures: highly thermal stability and enhanced reaction activity. <i>RSC Advances</i> , <b>2014</b> , 4, 40078-40084	3.7	11
42	Synthesis and characterization of a novel Au nanocatalyst with increased thermal stability. <i>Dalton Transactions</i> , <b>2014</b> , 43, 1360-7	4.3	32
41	Encapsulation of Au nanoparticles with well-crystallized anatase TiO <sub>2</sub> mesoporous hollow spheres for increased thermal stability. <i>RSC Advances</i> , <b>2014</b> , 4, 7313	3.7	29



40	Synthesis of magnesium-modified mesoporous Al <sub>2</sub> O <sub>3</sub> with enhanced catalytic performance for propane dehydrogenation. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5772-5781	4.3	22
39	Synthesis and characterization of carbon nanotubes supported Au nanoparticles encapsulated in various oxide shells. <i>RSC Advances</i> , <b>2014</b> , 4, 51334-51341	3.7	16
38	Direct synthesis, characterization and catalytic application of SBA-15 mesoporous silica with heteropolyacid incorporated into their framework. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 187, 7-13	5.3	49
37	Synthesis of immobilized heteropolyanion-based ionic liquids on mesoporous silica SBA-15 as a heterogeneous catalyst for alkylation. <i>RSC Advances</i> , <b>2014</b> , 4, 30697-30703	3.7	24
36	Ultrasound-assisted synthesis of nanosized hierarchical ZSM-5 and its catalytic performance as the support for heteropolyacid. <i>Journal of Porous Materials</i> , <b>2014</b> , 21, 241-249	2.4	8
35	Synthesis of core-shell-structured SBA-15@MgAl <sub>2</sub> O <sub>4</sub> with enhanced catalytic performance of propane dehydrogenation. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 1170-1178	4.3	8
34	A spontaneous dissolution approach to carbon coated TiO <sub>2</sub> hollow composite spheres with enhanced visible photocatalytic performance. <i>Applied Surface Science</i> , <b>2013</b> , 286, 344-350	6.7	21
33	Well-crystallized mesoporous TiO <sub>2</sub> shells for enhanced photocatalytic activity: prepared by carbon coating and silica-protected calcination. <i>Dalton Transactions</i> , <b>2013</b> , 42, 5004-12	4.3	39
32	Propane dehydrogenation over PtSnNa/La-doped Al <sub>2</sub> O <sub>3</sub> catalyst: Effect of La content. <i>Fuel Processing Technology</i> , <b>2013</b> , 111, 94-104	7.2	46
31	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> , <b>2012</b> , 21, 207-214		17
30	Effect of cerium addition on catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , <b>2012</b> , 21, 324-331		14
29	Influence of alumina binder content on catalytic properties of PtSnNa/AlSBA-15 catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 161, 33-39	5.3	13
28	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> , <b>2012</b> , 161, 25-32	5.3	15
27	Effect of the competitive adsorbates on the catalytic performances of PtSnK/Al <sub>2</sub> O <sub>3</sub> catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2012</b> , 104, 23-30	7.2	22
26	Highly Active and Green Aminopropyl-Immobilized Phosphotungstic Acid on Mesoporous LaSBA-15 for Alkylation of O-xylene with Styrene. <i>Catalysis Letters</i> , <b>2012</b> , 142, 360-367	2.8	10
25	Immobilization of 12-tungstophosphoric acid on LaSBA-15 and its catalytic activity for alkylation of o-xylene with styrene. <i>Chemical Engineering Journal</i> , <b>2012</b> , 179, 295-301	14.7	33
24	Effect of La calcination temperature on catalytic performance of PtSnNaLa/ZSM-5 catalyst for propane dehydrogenation. <i>Chemical Engineering Journal</i> , <b>2012</b> , 181-182, 530-537	14.7	44
23	Effect of zinc addition on catalytic properties of PtSnK/Al <sub>2</sub> O <sub>3</sub> catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2012</b> , 96, 220-227	7.2	36

22	Sn-Modified ZSM-5 As Support for Platinum Catalyst in Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 7896-7902	3.9	77
21	Influence of Lanthanum Addition on Catalytic Properties of PtSnK/Al <sub>2</sub> O <sub>3</sub> Catalyst for Isobutane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4280-4285	3.9	23
20	Synergistic effect between Sn and K promoters on supported platinum catalyst for isobutane dehydrogenation. <i>Journal of Natural Gas Chemistry</i> , <b>2011</b> , 20, 639-646		18
19	Effect of different lanthanum source and preparation method on the lanthanum-doped mesoporous SBA-15 synthesis. <i>Journal of Porous Materials</i> , <b>2011</b> , 18, 677-683	2.4	13
18	Effect of Sodium Addition to PtSn/AlSBA-15 on the Catalytic Properties in Propane Dehydrogenation. <i>Catalysis Letters</i> , <b>2011</b> , 141, 120-127	2.8	49
17	Influence of the Competitive Adsorbates on the Catalytic Properties of PtSnNaMg/ZSM-5 Catalysts for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4345-4350	3.9	13
16	Effect of magnesium addition on catalytic performance of PtSnK/Al <sub>2</sub> O <sub>3</sub> catalyst for isobutane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 1632-1638	7.2	62
15	Effect of ultrasonic irradiation on the catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 19-22	8.9	11
14	Effect of K Addition on Catalytic Performance of PtSn/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Catalysis Letters</i> , <b>2010</b> , 135, 76-82	2.8	46
13	Influence of Calcium Addition on Catalytic Properties of PtSn/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Catalysis Letters</i> , <b>2009</b> , 129, 449-456	2.8	53
12	Influence of the different dechlorination time on catalytic performances of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Fuel Processing Technology</i> , <b>2009</b> , 90, 1524-1531	7.2	21
11	Effect of Preparation Processes on Catalytic Performance of PtSnNa/ZSM-5 for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 5598-5603	3.9	16
10	Effect of Magnesium Addition to PtSnNa/ZSM-5 on the Catalytic Properties in the Dehydrogenation of Propane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 9885-9891	3.9	28
9	Effect of calcination atmosphere on the catalytic properties of PtSnNaMg/ZSM-5 for propane dehydrogenation. <i>Catalysis Communications</i> , <b>2009</b> , 10, 2013-2017	3.2	13
8	Influence of Binder on the Catalytic Performance of PtSnNa/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 8142-8147	3.9	26
7	Effect of calcination temperature on catalytic properties of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1009-1016	3.2	29
6	Effect of La addition on catalytic performance of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Applied Catalysis A: General</i> , <b>2007</b> , 333, 202-210	5.1	83
5	Propane dehydrogenation on PtSn/ZSM-5 catalyst: Effect of tin as a promoter. <i>Catalysis Communications</i> , <b>2006</b> , 7, 860-866	3.2	136

4	Effect of Alumina Binder on Catalytic Performance of PtSnNa/ZSM-5 Catalyst for Propane Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 2213-2219	3.9	62
3	Effect of hydrothermal treatment on catalytic properties of PtSnNa/ZSM-5 catalyst for propane dehydrogenation. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 96, 245-254	5.3	44
2	Ti3C2 Quantum Dots Modified 3D/2D TiO2/g-C3N4 S-Scheme Heterostructures for Highly Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> ,	6.1	5
1	Electronic State Modulation and Reaction Pathway Regulation on Necklace-Like MnO <sub>x</sub> -CeO <sub>2</sub> @Polypyrrole Hierarchical Cathode for Advanced and Flexible LiO <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> ,2103667	21.8	3