

Changhai Liang

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.

211
papers

5,713
citations

38
h-index

65
g-index

226
ext. papers

6,657
ext. citations

5.5
avg. IF

5.97
L-index

#	Paper	IF	Citations
211	Hydroisomerization of n-hexadecane over Pt/ZSM-48 catalysts: Effects of metal-acid balance and crystal morphology. <i>Microporous and Mesoporous Materials</i> , 2022 , 330, 111637	5.3	3
210	Porous carbon-encapsulated Ni nanocatalysts for selective catalytic hydrogenation of cinnamaldehyde to hydrocinnamaldehyde. <i>Journal of Materials Science</i> , 2022 , 57, 3168-3182	4.3	0
209	Boosting the catalytic behavior and stability of a gold catalyst with structure regulated by ceria.. <i>RSC Advances</i> , 2022 , 12, 1384-1392	3.7	0
208	Electrocatalytic selective oxidation of ethylene glycol: A concise review of catalyst development and reaction mechanism with comparison to thermocatalytic oxidation process. <i>Current Opinion in Electrochemistry</i> , 2022 , 32, 100929	7.2	1
207	Selective Hydrogenation of Anthracene to Symmetrical Octahydroanthracene over Al ₂ O ₃ -Supported Pt and Rh Catalysts Prepared by Strong Electrostatic Adsorption. <i>Energy & Fuels</i> , 2022 , 36, 2775-2786	4.1	
206	Effect of Extra-Framework Fe Species in Pt/Fe/ZSM-23 Catalysts on Hydroisomerization Performance of n-Hexadecane. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 279-286	3.9	1
205	Identification of uniform high-density isolated Ni active sites on LTA zeolite for propylene dimerization. <i>Applied Catalysis A: General</i> , 2022 , 640, 118661	5.1	
204	Excellent catalytic performance over hierarchical ZSM-48 zeolite: Cooperative effects of enhanced mesoporosity and highly-accessible acidity. <i>Fuel</i> , 2022 , 324, 124589	7.1	1
203	Construction of Cu-M-Ox (M = Zn or Al) Interface in Cu Catalysts for Hydrogenation Rearrangement of Furfural. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 16939-16950	3.9	2
202	Modulating the Interaction of NiSO ₄ and Nb ₂ O ₅ Boosts the Dimerization of Propylene. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 6959-6970	3.9	2
201	Manipulating morphology and surface engineering of spinel cobalt oxides to attain high catalytic performance for propane oxidation. <i>Journal of Catalysis</i> , 2021 , 396, 179-191	7.3	15
200	Hollow PtCo Nanowires with Rough Surfaces as Highly Active Electrocatalysts for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2021 , 6, 5399-5405	1.8	1
199	Improving the hydrodesulfurization performance of the sulfur-resistant intermetallic Ni ₂ Si based on a MOF-derived route. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1122-1127	6.8	2
198	Noble metal silicides catalysts with high stability for hydrodesulfurization of dibenzothiophenes. <i>Catalysis Today</i> , 2021 , 377, 205-212	5.3	5
197	Development of gold catalysts supported by unreducible materials: Design and promotions. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 670-693	11.3	6
196	In situ surface dealumination of intermetallic NiFe aluminides electrocatalysts for enhancing the oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5323-5331	6.7	3
195	Tailored N-doped porous carbons via a MOF assembly process for high-performance CO ₂ uptake. <i>Materials Advances</i> , 2021 , 2, 692-699	3.3	4

194	Highly Dispersed Rh/NbOx Invoking High Catalytic Performances for the Valorization of Lignin Monophenols and Lignin Oil into Aromatics. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3529-3547	8.3	6
193	In-situ Surface-selective Removal of Al Element from NiFeAl Ternary Nanowires for Large-current Oxygen Evolution Reaction. <i>ChemNanoMat</i> , 2021 , 7, 1138	3.5	
192	Highly selective catalysts for the hydrogenation of alkynols: A review. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 2105-2121	11.3	5
191	Efficient biodegradation of nitriles by a novel nitrile hydratase derived from <i>Rhodococcus erythropolis</i> CCM2595. <i>Biotechnology and Biotechnological Equipment</i> , 2021 , 35, 1127-1135	1.6	1
190	Vanadium Oxide-Nitride Composites for Catalytic Oxidative C-C Bond Cleavage of Cyclohexanol into Lactones with Dioxygen. <i>ChemCatChem</i> , 2020 , 12, 3650-3655	5.2	2
189	Self-assembly synthesis of lamellar molybdenum carbides with controllable phases for hydrodeoxygenation of diphenyl ether. <i>Molecular Catalysis</i> , 2020 , 492, 110972	3.3	5
188	Insight into the Effect of Cobalt Substitution on the Catalytic Performance of LaMnO ₃ Perovskites for Total Oxidation of Propane. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14646-14657	3.8	10
187	Re/AC catalysts for selective hydrogenation of dimethyl 1, 4-cyclohexanedicarboxylate to 1, 4-cyclohexanedimethanol: Essential roles of metal dispersion and chemical environment. <i>Applied Catalysis A: General</i> , 2020 , 602, 117669	5.1	3
186	Catalytic hydrogenolysis of lignin EO-4 aryl ether compound and lignin to aromatics over Rh/Nb ₂ O ₅ under low H ₂ pressure. <i>Fuel Processing Technology</i> , 2020 , 203, 106392	7.2	19
185	Ultrasensitive carbon molecular sieve membrane for hydrogen purification. <i>Journal of Energy Chemistry</i> , 2020 , 50, 16-24	12	20
184	Engineering the structural formula of N-doped molybdenum carbide nanowires for the deoxygenation of palmitic acid. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 2370-2379	5.8	4
183	Carbon-based active support for water oxidation electrocatalyst: Making full use of the available surface area. <i>Carbon</i> , 2020 , 167, 548-558	10.4	5
182	A Schiff Base Modified Pd Catalyst for Selective Hydrogenation of 2-Butyne-1,4-diol to 2-Butene-1,4-diol. <i>Catalysis Letters</i> , 2020 , 150, 2150-2157	2.8	3
181	Deactivation and Regeneration Study of a Co-Promoted MoO ₃ Catalyst in Hydrogenolysis of Dibenzofuran. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4313-4321	3.9	7
180	Promotional effect of Co and Ni on MoO ₃ catalysts for hydrogenolysis of dibenzofuran to biphenyl under atmospheric hydrogen pressure. <i>Journal of Catalysis</i> , 2020 , 383, 311-321	7.3	13
179	Selective Hydrogenation of Dimethyl Terephthalate to 1,4-Cyclohexane Dicarboxylate by Highly Dispersed Bimetallic Ru-Re/AC Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1140-1147	1.3	7
178	N-Doped Carbon Nanotubes Encapsulating Ni/MoN Heterostructures Grown on Carbon Cloth for Overall Water Splitting. <i>ChemElectroChem</i> , 2020 , 7, 745-752	4.3	14
177	Insight into catalytic properties of Co ₃ O ₄ -CeO ₂ binary oxides for propane total oxidation. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 679-690	11.3	32

176	Hydrogenation of adipic acid to 1,6-hexanediol by supported bimetallic Ir-Re catalyst. <i>Molecular Catalysis</i> , 2020 , 490, 110976	3.3	5
175	Catalytic transfer hydrogenolysis of lignin EO-4 model compound 4-(benzyloxy)phenol and lignin over Pt/HNbWO ₆ /CNTs catalyst. <i>Renewable Energy</i> , 2020 , 156, 249-259	8.1	16
174	Synthesis of Intermetallic Pt-Based Catalysts by Lithium Naphthalenide-Driven Reduction for Selective Hydrogenation of Cinnamaldehyde. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18551-18561	9.5	7
173	The role of oxophilic Mo species in Pt/MgO catalysts as extremely active sites for enhanced hydrodeoxygenation of dibenzofuran. <i>Catalysis Science and Technology</i> , 2020 , 10, 2948-2960	5.5	9
172	The adsorption and growth of Ag _n (n = 1-4) clusters on cubic, monoclinic, and tetragonal ZrO ₂ surfaces: a first-principles study. <i>New Journal of Chemistry</i> , 2020 , 44, 2268-2274	3.6	1
171	A review on high catalytic efficiency of solid acid catalysts for lignin valorization. <i>Bioresource Technology</i> , 2020 , 298, 122432	11	38
170	Metal oxide sub-nanoclusters decorated Ni catalyst for selective hydrogenation of adiponitrile to hexamethylenediamine. <i>Journal of Catalysis</i> , 2020 , 381, 14-25	7.3	10
169	Template-Preparation of Hollow PtNi Nanostrings as a Bifunctional Electrocatalyst for the Hydrogen Evolution and Oxygen Reduction Reactions. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1215-1223	1.3	2
168	Efficient selective hydrogenation of 2-butyne-1,4-diol to 2-butene-1,4-diol by silicon carbide supported platinum catalyst. <i>Catalysis Science and Technology</i> , 2020 , 10, 327-331	5.5	5
167	Intermetallic Ni ₂ Si/SiCN as a highly efficient catalyst for the one-pot tandem synthesis of imines and secondary amines. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 82-90	6.8	8
166	Three-Dimensional Heterostructured NiCoP@NiMn-Layered Double Hydroxide Arrays Supported on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4385-4395	9.5	55
165	Preparation of supported palladium catalyst from hydrotalcite-like compound for dicyclopentadiene resin hydrogenation. <i>Molecular Catalysis</i> , 2020 , 484, 110728	3.3	1
164	Seed-assisted synthesis of ZSM-48 zeolite with low SiO ₂ /Al ₂ O ₃ ratio for n-hexadecane hydroisomerization. <i>Microporous and Mesoporous Materials</i> , 2020 , 309, 110565	5.3	15
163	Sustainable Option for Hydrogen Production: Mechanistic Study of the Interaction between Cobalt Pincer Complexes and Ammonia Borane. <i>Catalysts</i> , 2020 , 10, 723	4	0
162	High Regioselectivity Production of 5-Cyanovaleramide from Adiponitrile by a Novel Nitrile Hydratase Derived from CCM2595. <i>ACS Omega</i> , 2020 , 5, 18397-18402	3.9	4
161	CeO ₂ decorated Au/CNT catalyst with constructed Au-CeO ₂ interfaces for benzyl alcohol oxidation. <i>Catalysis Communications</i> , 2020 , 133, 105843	3.2	13
160	Hierarchical CoNi ₂ S ₄ @NiMn-layered double hydroxide heterostructure nanoarrays on superhydrophilic carbon cloth for enhanced overall water splitting. <i>Electrochimica Acta</i> , 2020 , 345, 136247	6.7	21
159	Atomic-Scale Observation of Bimetallic Au-CuO Nanoparticles and Their Interfaces for Activation of CO Molecules. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35468-35478	9.5	7

158	Acid-tolerant intermetallic cobalt-rhodium silicides as noble metal-like catalysts for selective hydrogenation of phthalic anhydride to phthalide. <i>Catalysis Science and Technology</i> , 2019 , 9, 1108-1116	5.5	7
157	Hydrogenation of Dicyclopentadiene Resin and Its Monomer over High Efficient CuNi Alloy Catalysts. <i>ChemistrySelect</i> , 2019 , 4, 6035-6042	1.8	6
156	Lignin Valorizations with Ni Catalysts for Renewable Chemicals and Fuels Productions. <i>Catalysts</i> , 2019 , 9, 488	4	24
155	In-situ surface selective removal: An efficient way to prepare water oxidation catalyst. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14955-14967	6.7	10
154	Transfer Hydrogenation of Biomass-Derived Furfural to 2-Methylfuran over CuZnAl Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 6298-6308	3.9	30
153	A Schiff-Base Modified Pt Nano-Catalyst for Highly Efficient Synthesis of Aromatic Azo Compounds. <i>Catalysts</i> , 2019 , 9, 339	4	3
152	Tailoring Catalytic Properties of CuMgAl Hydrotalcites for Selective hydrogenolysis of Cellulose. <i>ChemistrySelect</i> , 2019 , 4, 2243-2248	1.8	
151	Hollow PtNi Nanochains as Highly Efficient and Stable Oxygen Reduction Reaction Catalysts. <i>ChemistrySelect</i> , 2019 , 4, 963-971	1.8	4
150	Nb(Ta)-based solid acid modified Pt/CNTs catalysts for hydrodeoxygenation of lignin-derived compounds. <i>Molecular Catalysis</i> , 2019 , 467, 61-69	3.3	23
149	Mechanism of Rhodium(III)-Catalyzed C-H Activation/Annulation of Aromatic Amide with Allenol: A Computational Study. <i>Journal of Organic Chemistry</i> , 2019 , 84, 2642-2651	4.2	4
148	Insights into the reaction pathway of hydrodeoxygenation of dibenzofuran over MgO supported noble-metals catalysts. <i>Catalysis Today</i> , 2019 , 319, 155-163	5.3	11
147	Transition metal silicides: fundamentals, preparation and catalytic applications. <i>Catalysis Science and Technology</i> , 2019 , 9, 4785-4820	5.5	34
146	NiMoAl catalysts derived from heptamolybdate-intercalated layered double hydroxides for hydrodeoxygenation of anisole. <i>BMC Chemical Engineering</i> , 2019 , 1,	3.5	2
145	Hierarchical ZSM-48-Supported Nickel Catalysts with Enhanced Hydroisomerization Performance of Hexadecane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19855-19861	3.9	14
144	Promotional effects of magnesia on catalytic performance of Pt/SiO ₂ in hydrogenolysis of dibenzofuran. <i>Journal of Catalysis</i> , 2019 , 371, 346-356	7.3	12
143	Supported CoRe Bimetallic Catalysts with Different Structures as Efficient Catalysts for Hydrogenation of Citral. <i>ChemSusChem</i> , 2019 , 12, 723-723	8.3	
142	Economic feasibility of gasoline production from lignocellulosic wastes in Hong Kong. <i>BMC Chemical Engineering</i> , 2019 , 1,	3.5	1
141	Supported Co-Re Bimetallic Catalysts with Different Structures as Efficient Catalysts for Hydrogenation of Citral. <i>ChemSusChem</i> , 2019 , 12, 807-823	8.3	7

140	A highly efficient and sulfur-tolerant Pd ₂ Si/CNTs catalyst for hydrodesulfurization of dibenzothiophenes. <i>Journal of Catalysis</i> , 2019 , 369, 363-371	7.3	13
139	Chemoselective hydrogenation of cinnamaldehyde over MOFs-derived M ₂ Si@C (M = Fe, Co, Ni) silicides catalysts. <i>Molecular Catalysis</i> , 2018 , 449, 14-24	3.3	19
138	The oxidation of methanol on hydroxylated m-ZrO ₂ (□ 1 1): a first-principles study. <i>Theoretical Chemistry Accounts</i> , 2018 , 137, 1	1.9	1
137	Enhanced activity and stability of La-doped CeO monolithic catalysts for lean-oxygen methane combustion. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 5643-5654	5.1	10
136	Polyvinyl alcohol protected Mo ₂ C/Mo ₂ N multicomponent electrocatalysts with controlled morphology for hydrogen evolution reaction in acid and alkaline medium. <i>Electrochimica Acta</i> , 2018 , 273, 239-247	6.7	36
135	Synthesis of Subnanometer-Sized Gold Clusters by a Simple Milling-Mediated Solid Reduction Method. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 329-332	4.9	10
134	Cobalt Silicides Nanoparticles Embedded in N-Doped Carbon as Highly Efficient Catalyst in Selective Hydrogenation of Cinnamaldehyde. <i>ChemistrySelect</i> , 2018 , 3, 1658-1666	1.8	8
133	Mechanistic study on gold(I)-catalyzed crosscoupling of diazo compounds: A DFT study. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25581	2.1	
132	Selective Hydrogenolysis of Dibenzofuran over Highly Efficient Pt/MgO Catalysts to o-Phenylphenol. <i>Organic Process Research and Development</i> , 2018 , 22, 67-76	3.9	9
131	Chemical Precipitation Method for the Synthesis of Nb ₂ O ₅ Modified Bulk Nickel Catalysts with High Specific Surface Area. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3
130	Synthesis of ZSM-23 zeolite with dual structure directing agents for hydroisomerization of n-hexadecane. <i>Microporous and Mesoporous Materials</i> , 2018 , 268, 216-224	5.3	23
129	MgFe hydrotalcites-derived layered structure iron molybdenum sulfide catalysts for eugenol hydrodeoxygenation to produce phenolic chemicals. <i>Journal of Energy Chemistry</i> , 2018 , 27, 600-610	12	12
128	Microwave-assisted polyol preparation of reduced graphene oxide nanoribbons supported platinum as a highly active electrocatalyst for oxygen reduction reaction. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 1069-1080	2.6	9
127	Gold-Palladium-Alloy-Catalyst Loaded UiO-66-NH ₂ for Reductive Amination with Nitroarenes Exhibiting High Selectivity. <i>ChemistrySelect</i> , 2018 , 3, 5092-5097	1.8	17
126	Dehydration of sorbitol into isosorbide over silver-exchanged phosphotungstic acid catalysts. <i>Molecular Catalysis</i> , 2018 , 458, 19-24	3.3	10
125	Aqueous-Phase Hydrogenation of Succinic Acid Using Bimetallic IrRe/C Catalysts Prepared by Strong Electrostatic Adsorption. <i>ACS Catalysis</i> , 2018 , 8, 6486-6494	13.1	21
124	Mechanisms and stereoselectivities of phosphine-catalyzed domino reaction of benzyl allenolate with 5-phenylmethylene thiazolone: a computational investigation. <i>Theoretical Chemistry Accounts</i> , 2018 , 137, 1	1.9	1
123	Understanding the mechanism and stereoselectivity of NHC-catalyzed [3 + 2] cycloaddition of 3-bromoaldehydes and isatin N-Boc ketimines. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 9251-9258	3.9	10

122	Synthesis and Characterization of Iron-Substituted ZSM-23 Zeolite Catalysts with Highly Selective Hydroisomerization of n-Hexadecane. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13721-13730	3.9	15
121	One-step Modification of Active Sites and Support in Ni/Al ₂ O ₃ Catalyst for Hydrodeoxygenation of Lignin-derived Diphenyl Ether. <i>ChemistrySelect</i> , 2018 , 3, 11398-11405	1.8	9
120	Mechanisms and stereoselectivities of phosphine-catalyzed (3+3) cycloaddition reaction between azomethine imine and ynone: A computational study. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25729	2.1	0
119	Glycerol hydrogenolysis to n-propanol over Zr-Al composite oxide-supported Pt catalysts. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1121-1128	11.3	11
118	Oxidative Dehydrogenation on Nanocarbon: Revealing the Catalytic Mechanism using Model Catalysts. <i>ACS Catalysis</i> , 2017 , 7, 1424-1427	13.1	39
117	Efficient Pd@MIL-101(Cr) hetero-catalysts for 2-butyne-1,4-diol hydrogenation exhibiting high selectivity. <i>RSC Advances</i> , 2017 , 7, 1626-1633	3.7	31
116	SBA-15-Supported Metal Silicides Prepared by Chemical Vapor Deposition as Efficient Catalysts Towards the Semihydrogenation of Phenylacetylene. <i>ChemCatChem</i> , 2017 , 9, 1337-1342	5.2	14
115	W ₂ C nanorods with various amounts of vacancy defects: determination of catalytic active sites in the hydrodeoxygenation of benzofuran. <i>Catalysis Science and Technology</i> , 2017 , 7, 1333-1341	5.5	14
114	Role of Re and Ru in ReRu/C Bimetallic Catalysts for the Aqueous Hydrogenation of Succinic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4672-4683	3.9	33
113	Highly stable and selective Ru/NiFe ₂ O ₄ catalysts for transfer hydrogenation of biomass-derived furfural to 2-methylfuran. <i>Journal of Energy Chemistry</i> , 2017 , 26, 799-807	12	33
112	Seed-assisted synthesis of ZSM-23 zeolites in the absence of alkali metal ions. <i>Microporous and Mesoporous Materials</i> , 2017 , 252, 146-153	5.3	10
111	New insights into high-valence state Mo in molybdenum carbide nanobelts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 10880-10890	6.7	20
110	Heterogeneous Catalytic Transfer Partial-Hydrogenation with Formic Acid as Hydrogen Source Over the Schiff-Base Modified Gold Nano-Catalyst. <i>Catalysis Letters</i> , 2017 , 147, 517-524	2.8	8
109	Influence of ReM interactions in ReM/C bimetallic catalysts prepared by a microwave-assisted thermolytic method on aqueous-phase hydrogenation of succinic acid. <i>Catalysis Science and Technology</i> , 2017 , 7, 5212-5223	5.5	21
108	Glycerol hydrogenolysis over ruthenium supported on lanthanum modified ZrO ₂ catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 122, 101-115	1.6	3
107	Highly Stable Nb ₂ O ₅ /Al ₂ O ₃ Composites Supported Pt Catalysts for Hydrodeoxygenation of Diphenyl Ether. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14034-14042	3.9	34
106	Enhanced Hydroconversion of Lignin-Derived Oxygen-Containing Compounds Over Bulk Nickel Catalysts Through Nb ₂ O ₅ Modification. <i>Catalysis Letters</i> , 2017 , 147, 2215-2224	2.8	18
105	Benzylation of Arenes with Benzyl Chloride over H-Beta Zeolite: Effects from Acidity and Shape-Selectivity. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15248-15255	3.8	13

104	Conjugated polymers with defined chemical structure as model carbon catalysts for nitro reduction. <i>RSC Advances</i> , 2016 , 6, 99570-99576	3.7	6
103	PdAg/CNT catalyzed alcohol oxidation reaction for high-performance anion exchange membrane direct alcohol fuel cell (alcohol = methanol, ethanol, ethylene glycol and glycerol). <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 494-503	21.8	114
102	Creating mesopores in ZSM-48 zeolite by alkali treatment: Enhanced catalyst for hydroisomerization of hexadecane. <i>Journal of Energy Chemistry</i> , 2016 , 25, 539-544	12	26
101	Highly selective hydrogenation of phthalic anhydride to phthalide over CoSi /CNTs catalyst prepared by multi-step microwave-assisted chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2016 , 180, 89-96	4.4	6
100	Rapid preparation and magnetic properties of Fe ₃ SiAl ₂ O ₃ nanocomposite by mechanical alloying and heat treatment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 1585-1591	1.6	4
99	Shape Selectivity in Hydroisomerization of Hexadecane over Pt Supported on 10-Ring Zeolites: ZSM-22, ZSM-23, ZSM-35, and ZSM-48. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6069-6078	3.7	59
98	Catalytic Combustion of Methane over PtOx Oxides under Scarce Oxygen Condition. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2293-2301	3.9	13
97	Pd@MIL-101 as an efficient bifunctional catalyst for hydrodeoxygenation of anisole. <i>RSC Advances</i> , 2016 , 6, 85659-85665	3.7	23
96	Hydrodeoxygenation of Lignin-derived Diaryl Ethers to Aromatics and Alkanes Using Nickel on Zr-doped Niobium Phosphate. <i>ChemistrySelect</i> , 2016 , 1, 4949-4956	1.8	27
95	One-step synthesis of Pt@ZIF-8 catalyst for the selective hydrogenation of 1,4-butyndiol to 1,4-butenediol. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1555-1561	11.3	15
94	Insight into the function of base-promoted Cu-containing catalysts for highly efficient hydrogenolysis of cellulose into polyols. <i>Journal of Energy Chemistry</i> , 2016 , 25, 782-792	12	8
93	Hydroisomerization of hexadecane over platinum supported on EU-1/ZSM-48 intergrowth zeolite catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 8016-8023	5.5	17
92	Ni/Al ₂ O ₃ Catalysts Derived from Layered Double Hydroxide and Their Applications in Hydrodeoxygenation of Anisole. <i>ChemistrySelect</i> , 2016 , 1, 577-584	1.8	12
91	Hydrogenation of succinic acid over supported rhenium catalysts prepared by the microwave-assisted thermolytic method. <i>Catalysis Science and Technology</i> , 2015 , 5, 2441-2448	5.5	36
90	Chemical vapor deposition of Pd(C ₃ H ₅)(C ₅ H ₅) for the synthesis of reusable Pd@ZIF-8 catalysts for the Suzuki coupling reaction. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 588-594	11.3	25
89	A Schiff base modified gold catalyst for green and efficient H ₂ production from formic acid. <i>Energy and Environmental Science</i> , 2015 , 8, 3204-3207	35.4	126
88	MoC _x species embedded in ordered mesoporous silica framework with hierarchical structure for hydrogenation of naphthalene. <i>Applied Catalysis A: General</i> , 2015 , 490, 146-152	5.1	9
87	Nickel silicides prepared from organometallic polymer as efficient catalyst towards hydrogenation of phenylacetylene. <i>Catalysis Today</i> , 2015 , 246, 176-183	5.3	15

86	Hydrodeoxygenation of dibenzofuran over SiO ₂ , Al ₂ O ₃ /SiO ₂ and ZrO ₂ /SiO ₂ supported Pt catalysts. <i>Catalysis Science and Technology</i> , 2015 , 5, 465-474	5.5	35
85	Toward economical purification of styrene monomers: Eggshell Mo ₂ C for front-end hydrogenation of phenylacetylene. <i>AIChE Journal</i> , 2015 , 61, 2522-2531	3.6	9
84	Structure Investigation and Dibenzothiophene Hydrodesulfurization Properties of Fe-Substituted Ni ₃ Si Intermetallics. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29052-29061	3.8	17
83	Catalytic combustion of methane over Pd/CeZr oxides washcoated monolithic catalysts under oxygen lean conditions. <i>RSC Advances</i> , 2015 , 5, 102147-102156	3.7	18
82	Cleavage of Lignin-Derived 4-O-5 Aryl Ethers over Nickel Nanoparticles Supported on Niobic Acid-Activated Carbon Composites. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2302-2310	3.9	50
81	Nickel-Aluminum Intermetallic Compounds as Highly Selective and Stable Catalysts for the Hydrogenation of Naphthalene to Tetralin. <i>ChemCatChem</i> , 2015 , 7, 978-983	5.2	25
80	Electrocatalytic selective oxidation of glycerol to tartronate on Au/C anode catalysts in anion exchange membrane fuel cells with electricity cogeneration. <i>Applied Catalysis B: Environmental</i> , 2014 , 154-155, 360-368	21.8	79
79	Hydrogenolysis of glycerol over HY zeolite supported Ru catalysts. <i>Journal of Energy Chemistry</i> , 2014 , 23, 185-192	12	20
78	Synergetic effect between Cu ⁰ and Cu ⁺ in the Cu-Cr catalysts for hydrogenolysis of glycerol. <i>Catalysis Today</i> , 2014 , 234, 200-207	5.3	37
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