

Changhai Liang

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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	Preparation and Characterization of Multiwalled Carbon Nanotube-Supported Platinum for Cathode Catalysts of Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6292-6299	3.4	1010
210	Catalytic hydrodeoxygenation of anisole as lignin model compound over supported nickel catalysts. <i>Catalysis Today</i> , 2014 , 234, 125-132	5.3	135
209	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
208	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
207	Catalytic Decomposition of Ammonia over Nitrided MoN _x /Al ₂ O ₃ and NiMoN _y /Al ₂ O ₃ Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 3694-3697	3.9	109
206	Nanostructured Mo ₂ C Prepared by Carbothermal Hydrogen Reduction on Ultrahigh Surface Area Carbon Material. <i>Chemistry of Materials</i> , 2002 , 14, 3148-3151	9.6	107
205	Nanostructured WC _x /CNTs as highly efficient support of electrocatalysts with low Pt loading for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2010 , 3, 1121	35.4	98
204	Conversion of highly concentrated cellulose to 1,2-propanediol and ethylene glycol over highly efficient CuCr catalysts. <i>Green Chemistry</i> , 2013 , 15, 891	10	95
203	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
202	Microwave-Assisted Preparation of Mo ₂ C/CNTs Nanocomposites as Efficient Electrocatalyst Supports For Oxygen Reduction Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 4169-4174	3.9	70
201	NickelSilicon Intermetallics with Enhanced Selectivity in Hydrogenation Reactions of Cinnamaldehyde and Phenylacetylene. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3604-3611	3.9	69
200	Chemical Vapor Deposition of Pd(C ₃ H ₅)(C ₅ H ₅) to Synthesize Pd@MOF-5 Catalysts for Suzuki Coupling Reaction. <i>Catalysis Letters</i> , 2012 , 142, 313-318	2.8	68
199	Template preparation of nanoscale C _x Fe _{1-x} O ₂ solid solutions and their catalytic properties for ethanol steam reforming. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1417		68
198	Template Preparation of Highly Active and Selective CuCr Catalysts with High Surface Area for Glycerol Hydrogenolysis. <i>Catalysis Letters</i> , 2009 , 130, 169-176	2.8	67
197	Surface dealloyed PtCo nanoparticles supported on carbon nanotube: facile synthesis and promising application for anion exchange membrane direct crude glycerol fuel cell. <i>Green Chemistry</i> , 2013 , 15, 1133	10	65
196	Aqueous-Phase Hydrogenation of Succinic Acid to γ -Butyrolactone and Tetrahydrofuran over Pd/C, Re/C, and PdBe/C Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 9638-9645	3.9	62
195	Carbon nanotubes supported Pt catalysts for phenylacetylene hydrogenation: effects of oxygen containing surface groups on Pt dispersion and catalytic performance. <i>Catalysis Today</i> , 2012 , 186, 69-75	5.3	62

194	In Situ FT-IR Spectroscopic Studies of CO Adsorption on Fresh Mo ₂ C/Al ₂ O ₃ Catalyst. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7088-94	3.4	59
193	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	3.9	59
192	PVP@Pd@ZIF-8 as highly efficient and stable catalysts for selective hydrogenation of 1,4-butyne diol. <i>Catalysis Science and Technology</i> , 2014 , 4, 329-332	5.5	58
191	Activated carbon supported molybdenum carbides as cheap and highly efficient catalyst in the selective hydrogenation of naphthalene to tetralin. <i>Green Chemistry</i> , 2012 , 14, 1272	10	58
190	Synthesis and Catalytic Properties for Phenylacetylene Hydrogenation of Silicide Modified Nickel Catalysts. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16525-16533	3.8	58
189	Preparation, structure and catalytic properties of magnetically separable Cu@Fe catalysts for glycerol hydrogenolysis. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16598		56
188	The two-step chemical vapor deposition of Pd(allyl)Cp as an atom-efficient route to synthesize highly dispersed palladium nanoparticles on carbon nanofibers. <i>Chemical Communications</i> , 2005 , 282-4	5.8	56
187	Preparation and Adsorption Properties for Thiophene of Nanostructured W ₂ C on Ultrahigh-Surface-Area Carbon Materials. <i>Chemistry of Materials</i> , 2003 , 15, 4846-4853	9.6	56
186	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
185	A non-alkoxide sol-gel route to highly active and selective Cu@Cr catalysts for glycerol conversion. <i>Journal of Materials Chemistry</i> , 2010 , 20, 755-760		54
184	Integrated electrocatalytic processing of levulinic acid and formic acid to produce biofuel intermediate valeric acid. <i>Green Chemistry</i> , 2014 , 16, 1305-1315	10	53
183	Carbon Nanotubes Supported Mono- and Bimetallic Pt and Ru Catalysts for Selective Hydrogenation of Phenylacetylene. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 4934-4941	3.9	52
182	Unsupported NiMoW sulfide catalysts for hydrodesulfurization of dibenzothiophene by thermal decomposition of thiosalts. <i>Journal of Molecular Catalysis A</i> , 2011 , 351, 120-127		52
181	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
180	Quantitative Studies on the Oxygen and Nitrogen Functionalization of Carbon Nanotubes Performed in the Gas Phase. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20930-20936	3.8	48
179	Microwave-assisted green synthesis of uniform Ru nanoparticles supported on non-functional carbon nanotubes for cinnamaldehyde hydrogenation. <i>Catalysis Communications</i> , 2012 , 24, 65-69	3.2	47
178	Silicon@Nickel intermetallic compounds supported on silica as a highly efficient catalyst for CO methanation. <i>Catalysis Science and Technology</i> , 2014 , 4, 53-61	5.5	46
177	Oxidative Dehydrogenation on Nanocarbon: Revealing the Catalytic Mechanism using Model Catalysts. <i>ACS Catalysis</i> , 2017 , 7, 1424-1427	13.1	39

176	Insights into the reaction pathways of glycerol hydrogenolysis over CuCr catalysts. <i>Journal of Molecular Catalysis A</i> , 2012 , 365, 24-31		38
175	Cobalt Silicide Nanoparticles in Mesoporous Silica as Efficient Naphthalene Hydrogenation Catalysts by Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3962-3967	3.8	38
174	A review on high catalytic efficiency of solid acid catalysts for lignin valorization. <i>Bioresource Technology</i> , 2020 , 298, 122432	11	38
173	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
172	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
171	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
170	Hydrodeoxygenation of Benzofuran over Silica/Alumina-Supported Pt, Pd, and PtPd Catalysts. <i>Energy & Fuels</i> , 2012 , 26, 4205-4211	4.1	36
169	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
168	Controlled preparation and characterization of supported CuCr ₂ O ₄ catalysts for hydrogenolysis of highly concentrated glycerol. <i>Catalysis Science and Technology</i> , 2013 , 3, 1108	5.5	35
167	Transition metal silicides: fundamentals, preparation and catalytic applications. <i>Catalysis Science and Technology</i> , 2019 , 9, 4785-4820	5.5	34
166	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
165	CoSi particles on silica support as a highly active and selective catalyst for naphthalene hydrogenation. <i>Chemical Communications</i> , 2009 , 2047-9	5.8	34
164	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
163	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
162	Selective hydrogenation of cinnamaldehyde over carbon nanotube supported pd-ru catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2006 , 88, 269-276		33
161	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
160	Hydrodeoxygenation of Dibenzofuran Over SBA-15 Supported Pt, Pd, and Ru Catalysts. <i>Catalysis Letters</i> , 2014 , 144, 809-816	2.8	32
159	A facile and novel approach to magnetic Fe@SiO ₂ and FeSi ₂ @SiO ₂ nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 609-616		32

158	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
157	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
156	A Facile and Controlled Route to Prepare an Eggshell Pd Catalyst for Selective Hydrogenation of Phenylacetylene. <i>ChemCatChem</i> , 2010 , 2, 1555-1558	5.2	29
155	Layer-controlled synthesis of graphene-like MoS ₂ from single source organometallic precursor for Li-ion batteries. <i>RSC Advances</i> , 2014 , 4, 16716	3.7	28
154	Synthesis and Characterization of Ferromagnetic Nickel-Cobalt Silicide Catalysts with Good Sulfur Tolerance in Hydrodesulfurization of Dibenzothiophene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24968-24976	3.8	28
153	Preparation of unsupported Ni-Mo-B catalysts for hydrodesulfurization of dibenzothiophene by thermal decomposition of tetramethylammonium thiomolybdates. <i>Catalysis Today</i> , 2011 , 175, 460-466	5.3	28
152	Investigation of the role of surface chemistry and accessibility of cadmium adsorption sites on open-surface carbonaceous materials. <i>Langmuir</i> , 2008 , 24, 11701-10	4	28
151	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
150	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
149	Microwave-Assisted Preparation and Hydrazine Decomposition Properties of Nanostructured Tungsten Carbides on Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 3244-3248	3.9	26
148	An IR study on the surface passivation of Mo ₂ C/Al ₂ O ₃ catalyst with O ₂ , H ₂ O and CO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 5603	3.6	26
147	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
146	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
145	Lignin Valorizations with Ni Catalysts for Renewable Chemicals and Fuels Productions. <i>Catalysts</i> , 2019 , 9, 488	4	24
144	Preparation and magnetic properties of single phase Ni ₂ Si by reverse Rochow reaction. <i>RSC Advances</i> , 2014 , 4, 653-659	3.7	24
143	High sulfur tolerance of Ni ₃ Si intermetallics as hydrodesulfurization catalysts. <i>RSC Advances</i> , 2013 , 3, 1728-1731	3.7	24
142	Hydrodeoxygenation of Dibenzofuran over Mesoporous Silica COK-12 Supported Palladium Catalysts. <i>Energy & Fuels</i> , 2013 , 27, 2209-2217	4.1	24
141	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

140	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
139	Organic-Inorganic Hybrid SiO ₂ Supported Gold Nanoparticles: Facile Preparation and Catalytic Hydrogenation of Aromatic Nitro Compounds. <i>Catalysis Letters</i> , 2012 , 142, 788-793	2.8	23
138	Pd@MIL-101 as an efficient bifunctional catalyst for hydrodeoxygenation of anisole. <i>RSC Advances</i> , 2016 , 6, 85659-85665	3.7	23
137	Raney Ni-Bi Catalysts for Selective Hydrogenation of Highly Concentrated 2-Butyne-1,4-diol to 2-Butene-1,4-diol. <i>Catalysis Letters</i> , 2014 , 144, 1118-1126	2.8	22
136	Synthesis of nanostructured ceria, zirconia and ceria-zirconia solid solutions using an ultrahigh surface area carbon material as a template. <i>Nanotechnology</i> , 2004 , 15, 843-847	3.4	22
135	Carbon Monoxide Adsorption on Molybdenum Phosphides: Fourier Transform Infrared Spectroscopic and Density Functional Theory Studies. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13698-13702	3.4	22
134	Aqueous-Phase Hydrogenation of Succinic Acid Using Bimetallic Ir-Re/C Catalysts Prepared by Strong Electrostatic Adsorption. <i>ACS Catalysis</i> , 2018 , 8, 6486-6494	13.1	21
133	Influence of Re-M interactions in Re-M/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
132	Mo(VI)-Melamine Hybrid As Single-Source Precursor to Pure-Phase γ -Mo ₂ C for the Selective Hydrogenation of Naphthalene to Tetralin. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 4564-4571	3.9	21
131	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
130	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
129	Ultrasensitive carbon molecular sieve membrane for hydrogen purification. <i>Journal of Energy Chemistry</i> , 2020 , 50, 16-24	12	20
128	Hydrogenolysis of glycerol over HY zeolite supported Ru catalysts. <i>Journal of Energy Chemistry</i> , 2014 , 23, 185-192	12	20
127	Two-Step Conversion of Biomass-Derived Glucose with High Concentration over Cu ₂ Zr Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8735-8743	3.9	20
126	Catalytic hydrogenolysis of lignin β -O-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
125	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
124	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
123	Catalytic combustion of methane over Pd/Ce ₂ Zr oxides washcoated monolithic catalysts under oxygen lean conditions. <i>RSC Advances</i> , 2015 , 5, 102147-102156	3.7	18

122	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
121	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
120	Effects of Synthetic Parameters on the Structure and Catalytic Performance of Cu ₂ S Catalysts Prepared by a Non-Alkoxide Sol-Gel Route. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 2031-2039	3.9	17
119	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
118	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
117	Gas Permeation Properties of Carbon Molecular Sieve Membranes Derived from Novel Poly(phthalazinone ether sulfone ketone). <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 876-880	3.9	16
116	Nickel silicides prepared from organometallic polymer as efficient catalyst towards hydrogenation of phenylacetylene. <i>Catalysis Today</i> , 2015 , 246, 176-183	5.3	15
115	In situ synthesis of AuPd bimetallic nanoparticles on amine-functionalized SiO ₂ for the aqueous-phase hydrodechlorination of chlorobenzene. <i>RSC Advances</i> , 2014 , 4, 48254-48259	3.7	15
114	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
113	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
112	One-step synthesis of Pt@ZIF-8 catalyst for the selective hydrogenation of 1,4-butanediol to 1,4-butanediol. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1555-1561	11.3	15
111	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
110	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
109	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
108	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
107	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
106	Hydrodenitrogenation of quinoline and its intermediates over sulfided NiW/Al ₂ O ₃ in the absence and presence of H ₂ S. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009 , 4, 704-710	1.3	14
105	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

104	Rapid microwaves synthesis of CoSix/CNTs as novel catalytic materials for hydrogenation of phthalic anhydride. <i>Journal of Solid State Chemistry</i> , 2014 , 217, 105-112	3.3	13
103	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
102	Multi-walled carbon nanotubes supported Pt-Fe cathodic catalyst for direct methanol fuel cell. <i>Reaction Kinetics and Catalysis Letters</i> , 2004 , 82, 235-240		13
101	Catalytic Combustion of Methane over Pt/Fe Oxides under Scarce Oxygen Condition. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2293-2301	3.9	13
100	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
99	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
98	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
97	Palladium supported on an ion exchange resin for the Suzuki-Miyaura reaction. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 2161-2166	11.3	12
96	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
95	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
94	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
93	Controlled preparation of unsupported binary and ternary sulfides with high surface area from tetraalkylammonium thiosalts. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 642-646	3.9	11
92	Surface-enhanced Raman scattering of xanthopterin adsorbed on colloidal silver. <i>Journal of Raman Spectroscopy</i> , 2001 , 32, 1004-1007	2.3	11
91	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
90	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
89	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
88	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
87	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

86	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
85	Dehydration of sorbitol into isosorbide over silver-exchanged phosphotungstic acid catalysts. <i>Molecular Catalysis</i> , 2018 , 458, 19-24	3.3	10
84	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
83	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
82	MoCx 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
81	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
80	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
79	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
78	Preparation and size-dependent magnetism of highly dispersed iron silicide nanoparticles on silica. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5292	7.1	9
77	Structural and electrochemical properties of nanostructured nickel silicides by reduction and silicification of high-surface-area nickel oxide. <i>Materials Research Bulletin</i> , 2012 , 47, 867-877	5.1	9
76	Thermally induced phase transition and magnetic properties of Fe ₃ Si ₂ with core-shell structure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 2710-2715	1.6	9
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12	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
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