

Jinli Zhang

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254
papers

6,209
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270
ext. papers

7,604
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
254	A review on TiO ₂ -based nanotubes synthesized via hydrothermal method: Formation mechanism, structure modification, and photocatalytic applications. <i>Catalysis Today</i> , 2014 , 225, 34-51	5.3	349
253	BSA-stabilized Pt nanozyme for peroxidase mimetics and its application on colorimetric detection of mercury(II) ions. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 251-8	11.8	220
252	Film thickness dependence of protein adsorption from blood serum and plasma onto poly(sulfobetaine)-grafted surfaces. <i>Langmuir</i> , 2008 , 24, 9211-4	4	203
251	CO ₂ -activated porous carbon derived from cattail biomass for removal of malachite green dye and application as supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 317, 493-502	14.7	166
250	Non-mercury catalytic acetylene hydrochlorination over bimetallic AuCo(III)/SAC catalysts for vinyl chloride monomer production. <i>Green Chemistry</i> , 2013 , 15, 829	10	132
249	High shear mixers: A review of typical applications and studies on power draw, flow pattern, energy dissipation and transfer properties. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012 , 57-58, 25-41	3.7	108
248	The effect of supercritical water on coal pyrolysis and hydrogen production: A combined ReaxFF and DFT study. <i>Fuel</i> , 2013 , 108, 682-690	7.1	107
247	Non-mercury catalytic acetylene hydrochlorination over spherical activated-carbon-supported AuCo(III)Cu(II) catalysts. <i>Journal of Catalysis</i> , 2014 , 316, 141-148	7.3	93
246	DNA-Based Platinum Nanozymes for Peroxidase Mimetics. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18116-18125	3.8	87
245	Self-assembly of cetyl trimethylammonium bromide in ethanol-water mixtures. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006 , 1, 438-442		85
244	Deactivation mechanism of AuCl ₃ catalyst in acetylene hydrochlorination reaction: a DFT study. <i>RSC Advances</i> , 2012 , 2, 4814	3.7	79
243	Synergistic Effect of F Doping and LiF Coating on Improving the High-Voltage Cycling Stability and Rate Capacity of LiNiCoMnO Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34153-34162	9.5	79
242	Progress on cleaner production of vinyl chloride monomers over non-mercury catalysts. <i>Frontiers of Chemical Science and Engineering</i> , 2011 , 5, 514-520	4.5	75
241	Ethanol steam reforming reactions over Al ₂ O ₃ /SiO ₂ -supported NiAl catalysts. <i>Fuel</i> , 2009 , 88, 511-518	7.1	72
240	Active ruthenium species in acetylene hydrochlorination. <i>Applied Catalysis A: General</i> , 2014 , 488, 28-36	5.1	71
239	Study on performance mechanism of pour point depressants with differential scanning calorimeter and X-ray diffraction methods?. <i>Fuel</i> , 2003 , 82, 1419-1426	7.1	70
238	Guanine-rich DNA-based peroxidase mimetics for colorimetric assays of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 549-56	11.8	69

237	CO methanation over ZrO ₂ /Al ₂ O ₃ supported Ni catalysts: A comprehensive study. <i>Fuel Processing Technology</i> , 2014 , 124, 61-69	7.2	67
236	Highly Efficient Ru@IL/AC To Substitute Mercuric Catalyst for Acetylene Hydrochlorination. <i>ACS Catalysis</i> , 2017 , 7, 3510-3520	13.1	65
235	Boron and Nitrogen Codoped Carbon Layers of LiFePO ₄ Improve the High-Rate Electrochemical Performance for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20134-43	9.5	64
234	A Cross-Linking Succinonitrile-Based Composite Polymer Electrolyte with Uniformly Dispersed Vinyl-Functionalized SiO ₂ Particles for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23668-75	9.5	63
233	Ru-Co(III)-Cu(II)/SAC catalyst for acetylene hydrochlorination. <i>Applied Catalysis B: Environmental</i> , 2016 , 189, 56-64	21.8	62
232	Thin film composite nanofiltration membrane prepared by the interfacial polymerization of 1,2,4,5-benzene tetracarbonyl chloride on the mixed amines cross-linked poly(ether imide) support. <i>Journal of Membrane Science</i> , 2016 , 520, 19-28	9.6	61
231	Development, applications and challenges of ReaxFF reactive force field in molecular simulations. <i>Frontiers of Chemical Science and Engineering</i> , 2016 , 10, 16-38	4.5	60
230	Acetylene hydrochlorination over bimetallic Ru-based catalysts. <i>RSC Advances</i> , 2013 , 3, 21062	3.7	58
229	Non-mercury catalytic acetylene hydrochlorination over bimetallic AuBa(II)/AC catalysts. <i>Catalysis Science and Technology</i> , 2015 , 5, 1870-1877	5.5	57
228	DNA-stabilized bimetallic nanozyme and its application on colorimetric assay of biothiols. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 1038-46	11.8	56
227	MOF-derived nitrogen-doped porous carbon as metal-free catalysts for acetylene hydrochlorination. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 44, 146-154	6.3	56
226	CFD modeling of hydrodynamic characteristics of a gas-liquid two-phase stirred tank. <i>Applied Mathematical Modelling</i> , 2014 , 38, 63-92	4.5	52
225	Phosphorus-doped carbon supports enhance gold-based catalysts for acetylene hydrochlorination. <i>RSC Advances</i> , 2014 , 4, 15877-15885	3.7	52
224	Controllable synthesis of nano-sized LiFePO ₄ /C via a high shear mixer facilitated hydrothermal method for high rate Li-ion batteries. <i>Electrochimica Acta</i> , 2015 , 173, 448-457	6.7	50
223	DFT and MM calculation: the performance mechanism of pour point depressants study. <i>Fuel</i> , 2004 , 83, 315-326	7.1	50
222	Bimetallic AuNi/CSs catalysts for acetylene hydrochlorination. <i>Catalysis Science and Technology</i> , 2014 , 4, 4426-4432	5.5	49
221	Glutathione-stabilized palladium nanozyme for colorimetric assay of silver(I) ions. <i>Analyst, The</i> , 2015 , 140, 6676-83	5	48
220	Lithium difluoro(oxalate)borate and LiBF ₄ blend salts electrolyte for LiNi _{0.5} Mn _{1.5} O ₄ cathode material. <i>Journal of Power Sources</i> , 2016 , 302, 274-282	8.9	47

219	Bimetallic Au ₃ N/AC catalysts for acetylene hydrochlorination. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 35, 177-184	6.3	46
218	Growth mechanisms of fluorescent silver clusters regulated by polymorphic DNA templates: a DFT study. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 1655-65	3.4	46
217	Enantioselective resolution of chiral drugs using BSA functionalized magnetic nanoparticles. <i>Separation and Purification Technology</i> , 2013 , 107, 11-18	8.3	46
216	Direct synthesis of hydrogen peroxide from hydrogen and oxygen over activated-carbon-supported Pd ₂ Ag alloy catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 809-817	5.5	45
215	Safety-Reinforced Succinonitrile-Based Electrolyte with Interfacial Stability for High-Performance Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29820-29828	9.5	45
214	LiFePO ₄ nanoparticles growth with preferential (010) face modulated by Tween-80. <i>RSC Advances</i> , 2015 , 5, 9745-9751	3.7	44
213	Novel diamine-modified composite nanofiltration membranes with chlorine resistance using monomers of 1,2,4,5-benzene tetracarbonyl chloride and m-phenylenediamine. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8816-8824	13	44
212	Non-mercury catalytic acetylene hydrochlorination over Ru catalysts enhanced by carbon nanotubes. <i>RSC Advances</i> , 2015 , 5, 9002-9008	3.7	43
211	A poly(amide-co-ester) nanofiltration membrane using monomers of glucose and trimesoyl chloride. <i>Journal of Membrane Science</i> , 2016 , 504, 185-195	9.6	43
210	Theoretical study of the prohibited mechanism for ethylene/vinyl acetate co-polymers to the wax crystal growth. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 36-43	3.4	42
209	Hydrochlorination of acetylene using supported phosphorus-doped Cu-based catalysts. <i>Catalysis Science and Technology</i> , 2015 , 5, 5174-5184	5.5	41
208	Supercritical Water Oxidation vs Supercritical Water Gasification: Which Process Is Better for Explosive Wastewater Treatment?. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1251-1260 ^{3,9}		41
207	A DFT screening of single transition atoms supported on MoS ₂ as highly efficient electrocatalysts for the nitrogen reduction reaction. <i>Nanoscale</i> , 2020 , 12, 10035-10043	7.7	40
206	Preparation of La ₂ NiO ₄ catalyst and catalytic performance for partial oxidation of methane. <i>Journal of Molecular Catalysis A</i> , 2007 , 269, 254-259		39
205	Ethanol steam reforming over Ni-Cu/Al ₂ O ₃ -MgO (M = Si, La, Mg, and Zn) catalysts. <i>Journal of Natural Gas Chemistry</i> , 2009 , 18, 55-65		38
204	A Review of Challenges and Recent Progress in Supercritical Water Oxidation of Wastewater. <i>Chemical Engineering Communications</i> , 2017 , 204, 265-282	2.2	37
203	N-doped activated carbon from used dyeing wastewater adsorbent as a metal-free catalyst for acetylene hydrochlorination. <i>Chemical Engineering Journal</i> , 2019 , 371, 118-129	14.7	37
202	Metal organic frameworks derived porous lithium iron phosphate with continuous nitrogen-doped carbon networks for lithium ion batteries. <i>Journal of Power Sources</i> , 2016 , 304, 42-50	8.9	37

201	Silver Nanomaterials Regulated by Structural Competition of G-/C-Rich Oligonucleotides. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10370-10379	3.8	37
200	Interactions of daidzin with intramolecular G-quadruplex. <i>FEBS Letters</i> , 2006 , 580, 4905-10	3.8	37
199	Sulfur transformation in coal during supercritical water gasification. <i>Fuel</i> , 2016 , 186, 394-404	7.1	36
198	Ru/N-AC catalyst to produce vinyl chloride from acetylene and 1,2-dichloroethane. <i>Catalysis Science and Technology</i> , 2016 , 6, 1402-1409	5.5	36
197	Effects of potassium additive on the activity of Ru catalyst for acetylene hydrochlorination. <i>RSC Advances</i> , 2015 , 5, 37774-37779	3.7	35
196	MOF-derived various morphologies of N-doped carbon composites for acetylene hydrochlorination. <i>Journal of Materials Science</i> , 2018 , 53, 4913-4926	4.3	35
195	Highly active and stable CeO ₂ /BiO ₂ supported Cu catalysts for the hydrogenation of methyl acetate to ethanol. <i>Fuel Processing Technology</i> , 2016 , 143, 219-224	7.2	35
194	An ultralight nitrogen-doped carbon aerogel anchored by Ni-NiO nanoparticles for enhanced microwave adsorption performance. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 43-51	5.7	35
193	Nitrogen functional groups on an activated carbon surface to effect the ruthenium catalysts in acetylene hydrochlorination. <i>RSC Advances</i> , 2015 , 5, 86172-86178	3.7	34
192	Influence of chlorine coordination number on the catalytic mechanism of ruthenium chloride catalysts in the acetylene hydrochlorination reaction: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7720-30	3.6	33
191	Measurement and correlation for solubility of levofloxacin in six solvents at temperatures from 288.15 to 328.15 K. <i>Fluid Phase Equilibria</i> , 2012 , 335, 1-7	2.5	32
190	Simultaneous integration of water and energy on conceptual methodology for both single- and multi-contaminant problems. <i>Chemical Engineering Science</i> , 2014 , 117, 436-444	4.4	31
189	Selective acetylene hydrogenation over core-shell magnetic Pd-supported catalysts in a magnetically stabilized bed. <i>AIChE Journal</i> , 2008 , 54, 1358-1364	3.6	30
188	H ₂ and CO production through coking wastewater in supercritical water condition: ReaxFF reactive molecular dynamics simulation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9667-9678	6.7	29
187	Simultaneous optimization of heat-integrated water networks by a nonlinear program. <i>Chemical Engineering Science</i> , 2016 , 140, 76-89	4.4	29
186	The single-Mo-atom-embedded-graphdiyne monolayer with ultra-low onset potential as high efficient electrocatalyst for N ₂ reduction reaction. <i>Applied Surface Science</i> , 2020 , 506, 144941	6.7	29
185	Insights into the Enhanced Cycle and Rate Performances of the F-Substituted P2-Type Oxide Cathodes for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2000135	21.8	28
184	Effects of nitrogen-dopants on Ru-supported catalysts for acetylene hydrochlorination. <i>RSC Advances</i> , 2016 , 6, 18026-18032	3.7	28

183	LDA measurements and CFD simulations of an in-line high shear mixer with ultrafine teeth. <i>AIChE Journal</i> , 2014 , 60, 1143-1155	3.6	28
182	Effects of polymorphic DNA on the fluorescent properties of silver nanoclusters. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 1864-72	4.2	28
181	Application of mesoporous carbon nitride as a support for an Au catalyst for acetylene hydrochlorination. <i>Chemical Engineering Science</i> , 2015 , 135, 472-478	4.4	28
180	Hydrochlorination of acetylene catalyzed by an activated carbon supported chlorotriphenylphosphine gold complex. <i>Catalysis Science and Technology</i> , 2016 , 6, 7946-7955	5.5	27
179	Cu(II)-coordinated GpG-duplex DNA as peroxidase mimetics and its application for label-free detection of Cu ²⁺ ions. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 252-8	11.8	26
178	DRIFTS study of photo-assisted catalytic CO + NO redox reaction over CuO/CeO ₂ -TiO ₂ . <i>Catalysis Today</i> , 2015 , 258, 139-147	5.3	26
177	Catalytic dehydrochlorination of 1,2-dichloroethane to produce vinyl chloride over N-doped coconut activated carbon. <i>RSC Advances</i> , 2015 , 5, 104071-104078	3.7	26
176	Performance of bimetallic PdRu catalysts supported on gamma alumina for 2-ethylanthraquinone hydrogenation. <i>RSC Advances</i> , 2017 , 7, 6447-6456	3.7	25
175	Improvement of imidazolium-based ionic liquids on the activity of ruthenium catalyst for acetylene hydrochlorination. <i>Molecular Catalysis</i> , 2017 , 443, 220-227	3.3	25
174	Strontium promoted activated carbon-supported gold catalysts for non-mercury catalytic acetylene hydrochlorination. <i>Catalysis Science and Technology</i> , 2016 , 6, 3230-3237	5.5	24
173	Enhancing the high voltage interface compatibility of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ in the succinonitrile-based electrolyte. <i>Electrochimica Acta</i> , 2019 , 298, 818-826	6.7	24
172	Boosting electrocatalytic hydrogen generation by a renewable porous wood membrane decorated with Fe-doped NiP alloys. <i>Journal of Energy Chemistry</i> , 2021 , 56, 23-33	12	24
171	Oxidation modification of Ru-based catalyst for acetylene hydrochlorination. <i>RSC Advances</i> , 2017 , 7, 23742-23750	3.7	23
170	Synthesis and sensing application of glutathione-capped platinum nanoparticles. <i>Analytical Methods</i> , 2015 , 7, 4464-4471	3.2	23
169	Performance of facet-controlled Pd nanocrystals in 2-ethylanthraquinone hydrogenation. <i>Catalysis Science and Technology</i> , 2015 , 5, 2630-2639	5.5	23
168	Influence of the support composition on the hydrogenation of methyl acetate over Cu/MgO-SiO ₂ catalysts. <i>Journal of Molecular Catalysis A</i> , 2015 , 409, 79-84		23
167	Nanomaterials and nanoclusters based on DNA modulation. <i>Current Opinion in Biotechnology</i> , 2014 , 28, 33-8	11.4	23
166	Effect of supercritical water on the stability and activity of alkaline carbonate catalysts in coal gasification. <i>Journal of Energy Chemistry</i> , 2013 , 22, 459-467	12	23

165	Residence time distributions of in-line high shear mixers with ultrafine teeth. <i>Chemical Engineering Science</i> , 2013 , 87, 111-121	4.4	23
164	Wood aerogel-derived sandwich-like layered nanoelectrodes for alkaline overall seawater electrosplitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120215	21.8	23
163	CFD analysis of flow pattern and power consumption for viscous fluids in in-line high shear mixers. <i>Chemical Engineering Research and Design</i> , 2017 , 117, 190-204	5.5	22
162	Natural isoflavones regulate the quadruplex-duplex competition in human telomeric DNA. <i>Nucleic Acids Research</i> , 2009 , 37, 2471-82	20.1	22
161	Supercritical water gasification of naphthalene over iron oxide catalyst: A ReaxFF molecular dynamics study. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30486-30498	6.7	22
160	Chemoselective N-arylation of aminobenzamides via copper catalysed Chan-Evans-Lam reactions. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 9288-9292	3.9	21
159	Nitrogen-doped carbon supports with terminated hydrogen and their effects on active gold species: a density functional study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25498-507	3.6	21
158	Non-mercury catalytic acetylene hydrochlorination over activated carbon-supported Au catalysts promoted by CeO ₂ . <i>Catalysis Science and Technology</i> , 2016 , 6, 1821-1828	5.5	20
157	Catalytic Performance of Oligonucleotide-Templated Pt Nanozyme Evaluated by Laccase Substrates. <i>Catalysis Letters</i> , 2017 , 147, 2144-2152	2.8	20
156	Effect of TiO ₂ support on the structural and electronic properties of PdAg clusters: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8683-92	3.6	20
155	Synthesis of mesoporous silica membranes oriented by self-assembles of surfactants. <i>Journal of Membrane Science</i> , 2003 , 222, 219-224	9.6	20
154	Analysis of degradation mechanism of disperse orange 25 in supercritical water oxidation using molecular dynamic simulations based on the reactive force field. <i>Journal of Molecular Modeling</i> , 2015 , 21, 54	2	18
153	Colorimetric detection of cysteine and homocysteine based on an oligonucleotide-stabilized Pd nanozyme. <i>Analytical Methods</i> , 2016 , 8, 5111-5116	3.2	18
152	Effect of Stator Geometry on the Emulsification and Extraction in the Inline Single-Row Blade-Screen High Shear Mixer. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9376-9388	3.9	18
151	Light FCC gasoline olefin oligomerization over a magnetic NiSo ₄ /EAl ₂ O ₃ catalyst in a magnetically stabilized bed. <i>AIChE Journal</i> , 2009 , 55, 717-725	3.6	18
150	Catalytic Performance of Ag Nanoparticles Templated by Polymorphic DNA. <i>Catalysis Letters</i> , 2010 , 139, 145-150	2.8	18
149	Artificial neural network model to predict cold filter plugging point of blended diesel fuels. <i>Fuel Processing Technology</i> , 2006 , 87, 585-590	7.2	18
148	Geometrical improvement of inline high shear mixers to intensify micromixing performance. <i>Chemical Engineering Journal</i> , 2017 , 319, 307-320	14.7	17

147	Zn/Cu bimetallic catalysts supported on pure silica MCM-41 for acetylene hydration reaction. <i>New Journal of Chemistry</i> , 2018 , 42, 6507-6514	3.6	17
146	Highly active subnano palladium clusters embedded in i-motif DNA. <i>Langmuir</i> , 2013 , 29, 14345-50	4	17
145	High performance of supported Cu-based catalysts modulated via phosphamide coordination in acetylene hydrochlorination. <i>Applied Catalysis A: General</i> , 2020 , 591, 117408	5.1	17
144	Amino-functionalized MXenes for efficient removal of Cr(VI). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126388	5.1	17
143	Catalytic Pyrolysis of Bituminous Coal under Pyrolysis Gas over a Ni/MgO Catalyst. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1605-1610	2	16
142	Effect of Ru/Cl ratio on the reaction of acetylene hydrochlorination. <i>New Journal of Chemistry</i> , 2017 , 41, 14675-14682	3.6	16
141	Effects of Self-Assembled Monolayers on Selective Crystallization of Tolbutamide. <i>Crystal Growth and Design</i> , 2011 , 11, 5498-5506	3.5	16
140	Comparative study of LaNiO ₃ and La ₂ NiO ₄ catalysts for partial oxidation of methane. <i>Reaction Kinetics and Catalysis Letters</i> , 2008 , 95, 89-97		16
139	Interphase Mass Transfer in G-L-S Magnetically Stabilized Bed with Amorphous Alloy SRNA-4 Catalyst. <i>Chinese Journal of Chemical Engineering</i> , 2006 , 14, 734-739	3.2	16
138	Mechanistic understanding of Cu-based bimetallic catalysts. <i>Frontiers of Chemical Science and Engineering</i> , 2020 , 14, 689-748	4.5	15
137	Determination and correlation of solubility of linezolid form II in different pure and binary solvents. <i>Fluid Phase Equilibria</i> , 2017 , 432, 18-27	2.5	15
136	Hydrochlorination of Acetylene Catalyzed by an Activated Carbon-Supported Ammonium Hexachlororuthenate Complex. <i>Catalysts</i> , 2017 , 7, 17	4	15
135	Titanium and fluorine synergetic modification improves the electrochemical performance of Li(Ni _{0.8} Co _{0.1} Mn _{0.1})O ₂ . <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9354-9363	13	15
134	Hydrochlorination of Acetylene Over the Activated-Carbon-Supported Au Catalysts Modified by NBD-Containing Ligand. <i>ChemCatChem</i> , 2019 , 11, 3441-3450	5.2	14
133	Single-Pass Emulsification Processes in Two Different Inline High Shear Mixers. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14463-14471	3.9	14
132	Partial oxidation of methane to syngas over BaTi _{1-x} Ni _x O ₃ catalysts. <i>Catalysis Today</i> , 2004 , 98, 583-587	5.3	14
131	Synergistic Mechanism of Ni Catalyst and Supercritical Water during Refractory Organic Wastewater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1535-1547	3.9	14
130	Zn supported on titania-doped mesoporous silicate MCM-41 as efficient catalysts for acetylene hydration. <i>Catalysis Science and Technology</i> , 2019 , 9, 981-991	5.5	13

129	Numerical and experimental investigations of micromixing performance and efficiency in a pore-array intensified tube-in-tube microchannel reactor. <i>Chemical Engineering Journal</i> , 2019 , 370, 1350-1365	14.7	13
128	Enhanced catalytic performance of activated carbon-supported ru-based catalysts for acetylene hydrochlorination by azole ligands. <i>Applied Catalysis A: General</i> , 2020 , 592, 117431	5.1	13
127	Gas-Liquid Mass Transfer Characteristics in Two Inline High Shear Mixers. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 4894-4901	3.9	13
126	Nitrogen-Doped Carbon Nanoparticles for Oxygen Reduction Prepared via a Crushing Method Involving a High Shear Mixer. <i>Materials</i> , 2017 , 10,	3.5	13
125	Simultaneous Heat Exchanger Network Synthesis Involving Nonisothermal Mixing Streams with Temperature-Dependent Heat Capacity. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8979-8987	3.9	12
124	Hydrochlorination of acetylene catalyzed by activated carbon supported highly dispersed gold nanoparticles. <i>Applied Catalysis A: General</i> , 2018 , 566, 15-24	5.1	12
123	Enhanced catalytic performance of Zr-modified ZSM-5-supported Zn for the hydration of acetylene to acetaldehyde. <i>Catalysis Communications</i> , 2019 , 120, 33-37	3.2	12
122	G-/C-rich Oligonucleotides Stabilized Pd Nanocatalysts for the Suzuki Coupling Reaction Under Mild Conditions. <i>Catalysis Letters</i> , 2013 , 143, 578-586	2.8	12
121	Enhanced catalytic activity and stability over P-modified alumina supported Pd for anthraquinone hydrogenation. <i>Applied Catalysis A: General</i> , 2020 , 593, 117422	5.1	11
120	Enantioselective recognition mechanism of ofloxacin via Cu(II)-modulated DNA. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5300-9	3.4	11
119	Activated Carbon-Supported Tetrapropylammonium Perruthenate Catalysts for Acetylene Hydrochlorination. <i>Catalysts</i> , 2017 , 7, 311	4	11
118	Effects of CTAB on porous silica templated by chitosan. <i>Journal of Materials Science</i> , 2010 , 45, 4470-4479	4.3	11
117	In situ polymerized succinonitrile-based solid polymer electrolytes for lithium ion batteries. <i>Solid State Ionics</i> , 2020 , 345, 115159	3.3	11
116	MOMTPPC improved Cu-based heterogeneous catalyst with high efficiency for acetylene hydrochlorination. <i>Molecular Catalysis</i> , 2019 , 479, 110612	3.3	10
115	Synthesis of a vinyl chloride monomer via acetylene hydrochlorination with a ruthenium-based N-heterocyclic carbene complex catalyst. <i>Catalysis Science and Technology</i> , 2020 , 10, 3552-3560	5.5	10
114	Gold-glutathione complex catalysts with carbon support for non-mercury catalytic acetylene hydrochlorination. <i>RSC Advances</i> , 2016 , 6, 105110-105118	3.7	10
113	Mechanistic insight into the selective crystallization of the metastable polymorph of tolbutamide in ethanol-water solution. <i>RSC Advances</i> , 2014 , 4, 21599-21607	3.7	10
112	Solubility of caprolactam in different organic solvents. <i>Fluid Phase Equilibria</i> , 2012 , 319, 9-15	2.5	10

111	Enantioseparation of chiral ofloxacin using biomacromolecules. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 1448-1453	2.8	10
110	Axial Liquid Dispersion Characteristics in Magnetically Stabilized Bed. <i>Chinese Journal of Chemical Engineering</i> , 2006 , 14, 532-536	3.2	10
109	Size Effect of a Ni Nanocatalyst on Supercritical Water Gasification of Lignin by Reactive Molecular Dynamics Simulations. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 23014-23024	3.9	10
108	Rapid and efficient synthesis of highly crystalline SSZ-13 zeolite by applying high shear mixing in the aging process. <i>Microporous and Mesoporous Materials</i> , 2020 , 293, 109812	5.3	10
107	Synergistically Catalytic Hydrochlorination of Acetylene over the Highly Dispersed Ru Active Species Embedded in P-Containing Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 10173-10184	8.3	9
106	The evolution of Fe and Fe-Ca catalysts during char catalytic hydrogasification. <i>Fuel</i> , 2019 , 257, 116040	7.1	9
105	Orderly microaggregates of G-/C-rich oligonucleotides associated with spermine. <i>Biomacromolecules</i> , 2011 , 12, 747-56	6.9	9
104	Graphene-induced hierarchical mesoporous MgO for the Claisen-Schmidt condensation reaction. <i>New Journal of Chemistry</i> , 2019 , 43, 4698-4705	3.6	9
103	Novel nonmetal catalyst of supported tetraphenylphosphonium bromide for acetylene hydrochlorination. <i>Catalysis Science and Technology</i> , 2019 , 9, 188-198	5.5	9
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