

Jie Chang

List of Publications by Year in descending order

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23
papers

1,603
citations

394421

19
h-index

642732

23
g-index

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all docs

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docs citations

23
times ranked

1822
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology and composition controllable synthesis of Mg-Al-CO ₃ hydrotalcites by tuning the synthesis pH and the CO ₂ capture capacity. <i>Applied Clay Science</i> , 2012, 55, 18-26.	5.2	190
2	Hydrodeoxygenation of Guaiacol over Carbon-Supported Metal Catalysts. <i>ChemCatChem</i> , 2013, 5, 3041-3049.	3.7	165
3	High temperature adsorption of CO ₂ on Mg-Al hydrotalcite: Effect of the charge compensating anions and the synthesis pH. <i>Catalysis Today</i> , 2011, 164, 198-203.	4.4	143
4	Detailed Kinetics of Fischer-Tropsch Synthesis on an Industrial Fe-Mn Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5066-5090.	3.7	139
5	The Effect of Trivalent Cations on the Performance of Mg-Mn-CO ₂ Layered Double Hydroxides for High-Temperature CO ₂ Capture. <i>ChemSusChem</i> , 2010, 3, 965-973.	6.8	139
6	Carbon deposition on Co catalysts during Fischer-Tropsch synthesis: A computational and experimental study. <i>Journal of Catalysis</i> , 2010, 274, 121-129.	6.2	99
7	A comprehensive kinetics model of Fischer-Tropsch synthesis over an industrial Fe-Mn catalyst. <i>Applied Catalysis A: General</i> , 2006, 301, 39-50.	4.3	90
8	Synthesis, Characterization, and Catalytic Activity of Phosphorus Modified H-ZSM-5 Catalysts in Selective Ethanol Dehydration. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4080-4090.	3.7	88
9	Effect of reaction conditions on the catalytic performance of Fe-Mn catalyst for Fischer-Tropsch synthesis. <i>Journal of Molecular Catalysis A</i> , 2007, 272, 182-190.	4.8	83
10	Kinetic modeling of Fischer-Tropsch synthesis over Fe-Cu-K-SiO ₂ catalyst in slurry phase reactor. <i>Chemical Engineering Science</i> , 2007, 62, 4983-4991.	3.8	77
11	Effect of boron promotion on the stability of cobalt Fischer-Tropsch catalysts. <i>Journal of Catalysis</i> , 2011, 280, 50-59.	6.2	65
12	Water gas shift reaction kinetics in Fischer-Tropsch synthesis over an industrial Fe-Mn catalyst. <i>Fuel</i> , 2005, 84, 917-926.	6.4	44
13	Liquid phase aerobic oxidation of benzyl alcohol over Pd and Rh catalysts on N-doped mesoporous carbon: Effect of the surface acido-basicity. <i>Catalysis Communications</i> , 2012, 25, 96-101.	3.3	38
14	Hydrogenation of Furfural as Model Reaction of Bio-Oil Stabilization under Mild Conditions Using Multiwalled Carbon Nanotube (MWNT)-Supported Pt Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11284-11291.	3.7	38
15	Improving the Stability of Cobalt Fischer-Tropsch Catalysts by Boron Promotion. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 11098-11100.	3.7	36
16	Kinetic Model of Product Distribution over Fe Catalyst for Fischer-Tropsch Synthesis. <i>Energy & Fuels</i> , 2009, 23, 4740-4747.	5.1	31
17	Toward the decoration of Pt nanoparticles supported on carbon nanotubes with Fe oxides and its effect on the catalytic reaction. <i>Applied Catalysis A: General</i> , 2012, 435-436, 131-140.	4.3	29
18	Oxygenate kinetics in Fischer-Tropsch synthesis over an industrial Fe-Mn catalyst. <i>Fuel</i> , 2005, 84, 791-800.	6.4	26

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19	Effect of reduction temperature on a spray-dried iron-based catalyst for slurry Fischer-Tropsch synthesis. <i>Journal of Molecular Catalysis A</i> , 2007, 261, 104-111.	4.8	23
20	Isothermal Kinetics Modelling of the Fischer-Tropsch Synthesis over the Spray-Dried Fe-Cu-K Catalyst. <i>Journal of Natural Gas Chemistry</i> , 2006, 15, 105-114.	1.8	16
21	A Corrected Comprehensive Kinetic Model of Fischer-Tropsch Synthesis. <i>Chinese Journal of Catalysis</i> , 2007, 28, 687-695.	14.0	16
22	New Insight for Reaction Route of Hydrogenation of Maleic Anhydride to γ -Butyrolactone. <i>Catalysis Letters</i> , 2004, 96, 123-127.	2.6	15
23	Ethanol dehydration activity on hydrothermally stable LaP _x O _y catalysts synthesized using CTAB template. <i>Journal of Porous Materials</i> , 2012, 19, 423-431.	2.6	13