Baolin Hou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8070029/publications.pdf

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21	643	759190 12	752679 20
papers	citations	h-index	g-index

22	22	22	731
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cement Catalyzed Valorization of Rice Straw into Upgraded Bio-Oil and Fuel Gases Using Pyrolysis Reactions. Combustion Science and Technology, 2022, 194, 3094-3108.	2.3	2
2	Study of bubble behavior in high-viscosity liquid in a pseudo-2D column using high-speed imaging. Chemical Engineering Science, 2022, 252, 117532.	3.8	5
3	Effect of red mud-based additives on the formation characteristics of tar and gas produced during coal pyrolysis. Journal of the Energy Institute, 2022, 104, 1-11.	5.3	9
4	An inserted layer LBM for thermal conduction with contact resistances. Chemical Engineering Science, 2021, 233, 116431.	3.8	3
5	Highly Active and Anticoke Ni/CeO₂ with Ultralow Ni Loading in Chemical Looping Dry Reforming via the Strong Metalâ€“Support Interaction. ACS Sustainable Chemistry and Engineering, 2021, 9, 17276-17288.	6.7	41
6	A Novel Image Reconstruction Strategy for ECT: Combining Two Algorithms With a Graph Cut Method. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 804-814.	4.7	25
7	Capturing the flow field of bubbly flows using BTV in high viscosity liquid. Chemical Engineering Science, 2020, 227, 115943.	3.8	2
8	Improving Syngas Selectivity of Fe₂O₃/Al₂O₃ with Yttrium Modification in Chemical Looping Methane Conversion. ACS Catalysis, 2019, 9, 8373-8382.	11.2	59
9	Making JPâ€10 Superfuel Affordable with a Lignocellulosic Platform Compound. Angewandte Chemie, 2019, 131, 12282-12286.	2.0	17
10	Effective Hydrogenolysis of Glycerol to 1,3â€Propanediol over Metalâ€Acid Concerted Pt/WO_x/Al₂O₃ Catalysts. ChemCatChem, 2019, 11, 3903-3912.	3.7	66
11	Making JPâ€10 Superfuel Affordable with a Lignocellulosic Platform Compound. Angewandte Chemie - International Edition, 2019, 58, 12154-12158.	13.8	78
12	Kinetic study of cellulose hydrolysis with tungstenâ€based acid catalysts. AICHE Journal, 2019, 65, e16585.	3.6	6
13	A mass-conserving lattice Boltzmann method for bubble behavior estimation. Chemical Engineering Science, 2019, 193, 76-88.	3.8	11
14	Effect of pressure and H2 on the pyrolysis characteristics of lignite: Thermal behavior and coal char structural properties. Journal of Analytical and Applied Pyrolysis, 2018, 135, 1-9.	5.5	29
15	In situ encapsulation of iron(0) for solar thermochemical syngas production over iron-based perovskite material. Communications Chemistry, 2018, 1, .	4.5	55
16	Selective Hydrogenolysis of Glycerol to 1,3â€Propanediol: Manipulating the Frustrated Lewis Pairs by Introducing Gold to Pt/WO_x. ChemSusChem, 2017, 10, 818-818.	6.8	0
17	Selective Hydrogenolysis of Glycerol to 1,3â€Propanediol: Manipulating the Frustrated Lewis Pairs by Introducing Gold to Pt/WO_x. ChemSusChem, 2017, 10, 819-824.	6.8	89
18	Optimization and simulation of the Sabatier reaction process in a packed bed. AICHE Journal, 2016, 62, 2879-2892.	3.6	14

#	Article	IF	Citations
19	Steadyâ€state behavior of liquid fuel hydrazine decomposition in packed bed. AICHE Journal, 2015, 61, 1064-1080.	3.6	9
20	Kinetic study of the competitive hydrogenation of glycolaldehyde and glucose on Ru/C with or without AMT. AICHE Journal, 2015, 61, 224-238.	3.6	49
21	Kinetic study of retroâ€aldol condensation of glucose to glycolaldehyde with ammonium metatungstate as the catalyst. AICHE Journal, 2014, 60, 3804-3813.	3.6	74