Mathew John

List of Publications by Year
in descending order

17	551	566801 15	887659 17
papers	citations	h-index	g-index

17	17	17	663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanistic insights into the formation of butene isomers from 1-butanol in H-ZSM-5: DFT based microkinetic modelling. Catalysis Science and Technology, 2017, 7, 1055-1072.	2.1	30
2	Effect of zeolite confinement on the conversion of 1-butanol to butene isomers: mechanistic insights from DFT based microkinetic modelling. Catalysis Science and Technology, 2017, 7, 2978-2997.	2.1	27
3	Study of butanol conversion to butenes over H-ZSM-5: Effect of chemical structure on activity, selectivity and reaction pathways. Applied Catalysis A: General, 2017, 539, 1-12.	2.2	37
4	Selective hydroalkylation of benzene over palladium supported Y-Zeolite: Effect of metal acid balance. Molecular Catalysis, 2017, 442, 27-38.	1.0	19
5	First-Principles Kinetic Study on the Effect of the Zeolite Framework on 1-Butanol Dehydration. ACS Catalysis, 2016, 6, 4081-4094.	5.5	44
6	DFT-based microkinetic modeling of ethanol dehydration in H-ZSM-5. Journal of Catalysis, 2016, 339, 173-185.	3.1	69
7	Hydroisomerization of Biomass Derived n-Hexadecane Towards Diesel Pool: Effect of Selective Removal External Surface Sites from Pt/ZSM-22. International Journal of Chemical Reactor Engineering, 2016, 14, 155-165.	0.6	8
8	Hydroisomerization of Long Chain n-Paraffins over Pt/ZSM-22: Influence of Si/Al Ratio. Energy & Fuels, 2015, 29, 1066-1075.	2.5	37
9	Reaction path analysis for 1-butanol dehydration in H-ZSM-5 zeolite: Ab initio and microkinetic modeling. Journal of Catalysis, 2015, 330, 28-45.	3.1	65
10	Hydroisomerization of n-hexadecane over Pt/ZSM-22 framework: Effect of divalent cation exchange. Journal of Molecular Catalysis A, 2015, 404-405, 47-56.	4.8	36
11	Hydroisomerization of n-hexadecane over BrÃ¸nsted acid site tailored Pt/ZSM-12. Journal of Porous Materials, 2014, 21, 849-857.	1.3	19
12	Low temperature hydrogenation of aromatics over Ptâ€“Pd/SiO 2 â€“Al 2 O 3 catalyst. Fuel Processing Technology, 2014, 128, 303-309.	3.7	25
13	Influence of exhaust gas heating and L/D ratios on the discharge efficiencies for an activated carbon natural gas storage system. Applied Energy, 2014, 119, 190-203.	5.1	23
14	n-Hexadecane hydroisomerization over Pt/ZSM-12: role of Si/Al ratio on product distribution. Journal of Porous Materials, 2013, 20, 1023-1029.	1.3	14
15	n-Hexadecane hydroisomerization over BTMACl/TEABr/MTEABr templated ZSM-12. Microporous and Mesoporous Materials, 2013, 177, 120-126.	2.2	39
16	Filling Characteristics for an Activated Carbon Based Adsorbed Natural Gas Storage System. Industrial & Engineering Chemistry Research, 2011, 50, 13000-13011.	1.8	37
17	SAPO-34 assisted C3 separation: Modeling and simulation. Microporous and Mesoporous Materials, 2010, 132, 311-318.	2.2	22