

Matheus Dorneles de Mello

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

375
citations

758635

12
h-index

794141

19
g-index

24
all docs

24
docs citations

24
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	ZIF-8 Membrane Separation Performance Tuning by Vapor Phase Ligand Treatment. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16390-16394.	7.2	54
2	Selective Glucose to Fructose Isomerization over Modified Zirconium UiO-66 in Alcohol Media. <i>ChemCatChem</i> , 2018, 10, 2417-2423.	1.8	39
3	ZIF-8 Membrane Permselectivity Modification by Manganese(II) Acetylacetonate Vapor Treatment. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9316-9320.	7.2	36
4	Effects of Phosphorus Content on Simultaneous Ultradeep HDS and HDN Reactions over NiMoP/Alumina Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10287-10299.	1.8	27
5	Kinetic modeling of deep hydrodesulfurization of dibenzothiophenes on NiMo/alumina catalysts modified by phosphorus. <i>Fuel Processing Technology</i> , 2018, 177, 66-74.	3.7	27
6	ZIF-8 Membrane Separation Performance Tuning by Vapor Phase Ligand Treatment. <i>Angewandte Chemie</i> , 2019, 131, 16542-16546.	1.6	26
7	Phosphonate-Modified UiO-66 Brønsted Acid Catalyst and Its Use in Dehydration/Decyclization of 2-Methyltetrahydrofuran to Pentadienes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13260-13266.	7.2	21
8	Solvent-free bottom-up patterning of zeolitic imidazolate frameworks. <i>Nature Communications</i> , 2022, 13, 420.	5.8	20
9	Few-Unit Cell MFI Zeolite Synthesized using a Simple Di-quaternary Ammonium Structure Directing Agent. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19214-19221.	7.2	19
10	Catalytic properties of lipases immobilized onto ultrasound-treated chitosan supports. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 1090-1100.	1.4	18
11	Effects of Citric Acid Addition Method on the Activity of NiMo/Al ₂ O ₃ Catalysts in Simultaneous Hydrodesulfurization and Hydrodenitrogenation Reactions. <i>Energy & Fuels</i> , 2019, 33, 1450-1457.	2.5	15
12	Vapor and liquid phase adsorption of alcohol and water in silicalite-1 synthesized in fluoride media. <i>AIChE Journal</i> , 2020, 66, e16868.	1.8	12
13	Electron beam induced modification of ZIF-8 membrane permeation properties. <i>Chemical Communications</i> , 2021, 57, 5250-5253.	2.2	12
14	Understanding the unique sorption of alkane- \pm , $\%$ -diols in silicalite-1. <i>Journal of Chemical Physics</i> , 2018, 149, 072331.	1.2	8
15	ssDNA-amphiphile architecture used to control dimensions of DNA nanotubes. <i>Nanoscale</i> , 2019, 11, 19850-19861.	2.8	8
16	Few-Unit Cell MFI Zeolite Synthesized using a Simple Di-quaternary Ammonium Structure Directing Agent. <i>Angewandte Chemie</i> , 2021, 133, 19363-19370.	1.6	8
17	ZIF-8 Membrane Permselectivity Modification by Manganese(II) Acetylacetonate Vapor Treatment. <i>Angewandte Chemie</i> , 2021, 133, 9402-9406.	1.6	7
18	In Situ Tracking of Nonthermal Plasma Etching of ZIF-8 Films. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19023-19030.	4.0	7

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19	Phosphonate-Modified UiO-66 Brønsted Acid Catalyst and Its Use in Dehydration/Decyclization of 2-Methyltetrahydrofuran to Pentadienes. <i>Angewandte Chemie</i> , 2020, 132, 13362-13368.	1.6	4
20	Ethanol and Water Adsorption in Conventional and Hierarchical All-Silica MFI Zeolites. <i>ACS Physical Chemistry Au</i> , 0, , .	1.9	4
21	Xenon Trapping in Metal-Supported Silica Nanocages. <i>Small</i> , 2021, 17, 2103661.	5.2	2
22	Frontispiece: ZIF-8 Membrane Separation Performance Tuning by Vapor Phase Ligand Treatment. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	1
23	Frontispiz: ZIF-8 Membrane Separation Performance Tuning by Vapor Phase Ligand Treatment. <i>Angewandte Chemie</i> , 2019, 131, .	1.6	0
24	Xenon Trapping in Metal-Supported Silica Nanocages (Small 39/2021). <i>Small</i> , 2021, 17, 2170204.	5.2	0