Eszter BarÃ¡th

List of Publications by Year
in descending order

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29 papers	1,179 citations	567281 15 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	1305 citing authors

#	Article	IF	Citations
1	Synergistic effects of Ni and acid sites for hydrogenation and Câ€“O bond cleavage of substituted phenols. Green Chemistry, 2015, 17, 1204-1218.	9.0	241
2	Enhancing the catalytic activity of hydronium ions through constrained environments. Nature Communications, 2017, 8, 14113.	12.8	94
3	Impact of the Oxygen Defects and the Hydrogen Concentration on the Surface of Tetragonal and Monoclinic ZrO₂ on the Reduction Rates of Stearic Acid on Ni/ZrO₂. Chemistry - A European Journal, 2015, 21, 2423-2434.	3.3	90
4	Solvent-determined mechanistic pathways in zeolite-H-BEA-catalysed phenol alkylation. Nature Catalysis, 2018, 1, 141-147.	34.4	85
5	Deoxygenation of Palmitic Acid on Unsupported Transition-Metal Phosphides. ACS Catalysis, 2017, 7, 6331-6341.	11.2	83
6	Influence of Hydronium Ions in Zeolites on Sorption. Angewandte Chemie - International Edition, 2019, 58, 3450-3455.	13.8	83
7	Role of the ionic environment in enhancing the activity of reacting molecules in zeolite pores. Science, 2021, 372, 952-957.	12.6	79
8	Bulk and Î³â€‘Al2O3-supported Ni2P and MoP for hydrodeoxygenation of palmitic acid. Applied Catalysis B: Environmental, 2016, 180, 301-311.	20.2	76
9	Hydrogen Transfer Reactions of Carbonyls, Alkynes, and Alkenes with Noble Metals in the Presence of Alcohols/Ethers and Amines as Hydrogen Donors. Catalysts, 2018, 8, 671.	3.5	59
10	Controlling Hydrodeoxygenation of Stearic Acid to <i>n</i>â€Heptadecane and <i>n</i>â€Octadecane by Adjusting the Chemical Properties of Ni/SiO₂â€“ZrO₂ Catalyst. ChemCatChem, 2017, 9, 195-203.	3.7	53
11	Carbonâ€“Carbon Bond Scission Pathways in the Deoxygenation of Fatty Acids on Transition-Metal Sulfides. ACS Catalysis, 2017, 7, 1068-1076.	11.2	44
12	Elementary steps and reaction pathways in the aqueous phase alkylation of phenol with ethanol. Journal of Catalysis, 2017, 352, 329-336.	6.2	40
13	Hydronium-Ion-Catalyzed Elimination Pathways of Substituted Cyclohexanols in Zeolite H-ZSM5. ACS Catalysis, 2017, 7, 7822-7829.	11.2	22
14	Rate enhancement by Cu in Ni_xCu_{1âˆ’x}/ZrO₂ bimetallic catalysts for hydrodeoxygenation of stearic acid. Catalysis Science and Technology, 2019, 9, 2620-2629.	4.1	22
15	Alkylation of lignin-derived aromatic oxygenates with cyclic alcohols on acidic zeolites. Applied Catalysis B: Environmental, 2021, 281, 119424.	20.2	16
16	Influence of Intracrystalline Ionic Strength in MFI Zeolites on Aqueous Phase Dehydration of Methylcyclohexanols. Angewandte Chemie - International Edition, 2021, 60, 24806-24810.	13.8	16
17	Rate enhancement of phenol hydrogenation on Pt by hydronium ions in the aqueous phase. Journal of Catalysis, 2021, 404, 579-593.	6.2	16
18	Towards understanding and predicting the hydronium ion catalyzed dehydration of cyclic-primary, secondary and tertiary alcohols. Journal of Catalysis, 2020, 390, 237-243.	6.2	14

#	Article	IF	Citations
19	Influence of Hydronium Ions in Zeolites on Sorption. Angewandte Chemie, 2019, 131, 3488-3493.	2.0	13
20	H-Transfer reactions of internal alkenes with tertiary amines as H-donors on carbon supported noble metals. Organic and Biomolecular Chemistry, 2018, 16, 1172-1177.	2.8	10
21	Selective Reduction of Carbonyl Compounds via (Asymmetric) Transfer Hydrogenation on Heterogeneous Catalysts. Synthesis, 2020, 52, 504-520.	2.3	10
22	Catalytic Decomposition of the Oleaginous Yeast <i>Cutaneotrichosporon Oleaginosus</i> and Subsequent Biocatalytic Conversion of Liberated Free Fatty Acids. ACS Sustainable Chemistry and Engineering, 2019, 7, 6531-6540.	6.7	4
23	Selective Heterogeneous Transfer Hydrogenation from Tertiary Amines to Alkynes. ACS Catalysis, 2021, 11, 5405-5415.	11.2	4
24	Hydrogenative depolymerization of silicon-modified polyureas. Chemical Communications, 2022, 58, 5415-5418.	4.1	3
25	Influence of Intracrystalline Ionic Strength in MFI Zeolites on Aqueous Phase Dehydration of Methylcyclohexanols. Angewandte Chemie, 0, , .	2.0	2
26	A Celebration of Science amidst Nature: The 54th BÃ¼rgenstock Conference. Angewandte Chemie - International Edition, 2019, 58, 17107-17113.	13.8	0
27	Ein Fest der Wissenschaft inmitten der Natur: Die 54. BÃ¼rgenstockâ€Konferenz. Angewandte Chemie, 2019, 131, 17265-17271.	2.0	0
28	RÃ¼cktitelbild: Influence of Intracrystalline Ionic Strength in MFI Zeolites on Aqueous Phase Dehydration of Methylcyclohexanols (Angew. Chem. 47/2021). Angewandte Chemie, 2021, 133, 25368-25368.	2.0	0
29	FY17-PDH-EVTest04 GodInput Impact of the Oxygen Defects1 FY17-PDH-EVTest04 Reduction Rates of Stearic AcidFY17-PDH-T04. Chemistry - A European Journal, 2015, , 2436-2434.	3.3	0