

Torstein Fjermestad

List of Publications by Year in descending order

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709
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenation of CO ₂ to Methanol by Pt Nanoparticles Encapsulated in UiO-67: Deciphering the Role of the Metal–Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 999-1009.	13.7	141
2	Practical Implications of Boron–Zinc Transmetalation for the Catalytic Asymmetric Arylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1098-1101.	13.8	82
3	Mechanistic Comparison of the Dealumination in SSZ-13 and the Desilication in SAPO-34. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13442-13451.	3.1	62
4	Mechanism of Si Island Formation in SAPO-34. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2086-2095.	3.1	33
5	Desilication of SAPO-34: Reaction Mechanisms from Periodic DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2073-2085.	3.1	23
6	Computational Study of the Mechanism of Cyclic Acetal Formation via the Iridium(I)-Catalyzed Double Hydroalkoxylation of 4-Pentyn-1-ol with Methanol. <i>Organometallics</i> , 2011, 30, 618-626.	2.3	17
7	A Computational Study on the Role of Chiral N–Oxides in Enantioselective Pauson–Khand Reactions. <i>Chemistry - A European Journal</i> , 2011, 17, 10050-10057.	3.3	15
8	Acrolein oxidation to acrylic acid over the MoVO _x material. Insights from DFT modeling. <i>Applied Catalysis A: General</i> , 2018, 565, 68-75.	4.3	13
9	Origin of enantioselectivity in asymmetric Pauson–Khand reactions catalyzed by [(BINAP)Co ₂ (CO) ₆] ⁺ . <i>Journal of Molecular Catalysis A</i> , 2010, 324, 127-132.	4.8	10
10	Reactivity trends of the MoVO _x mixed metal oxide catalyst from density functional modeling. <i>Catalysis Science and Technology</i> , 2019, 9, 1559-1569.	4.1	10
11	How the distribution of reduced vanadium centers affects structure and stability of the MoVO _x material. <i>Catalysis Science and Technology</i> , 2018, 8, 2654-2660.	4.1	9
12	On the structure of superbasic (MgO) _n sites solvated in a faujasite zeolite. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18503-18514.	2.8	7
13	Surface Reactivity of the Vanadium Phosphate Catalyst for the Oxidation of Methane. <i>Topics in Catalysis</i> , 2017, 60, 1698-1708.	2.8	4
14	Correction to “Mechanism of Si Island Formation in SAPO-34”. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20782-20782.	3.1	0
15	Configurations of V ⁴⁺ centers in the MoVO catalyst material. A systematic stability analysis of DFT results. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	0