Torstein Fjermestad

List of Publications by Year
in descending order

15	444	933447	1058476
papers	citations	10	14
		h-index	g-index

17	17	17	709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogenation of CO₂ to Methanol by Pt Nanoparticles Encapsulated in UiO-67: Deciphering the Role of the Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 999-1009.	13.7	141
2	Configurations of V4+ centers in the MoVO catalyst material. A systematic stability analysis of DFT results. SN Applied Sciences, 2020, 2, 1.	2.9	0
3	Reactivity trends of the MoVO_xmixed metal oxide catalyst from density functional modeling. Catalysis Science and Technology, 2019, 9, 1559-1569.	4.1	10
4	How the distribution of reduced vanadium centers affects structure and stability of the MoVO_xmaterial. Catalysis Science and Technology, 2018, 8, 2654-2660.	4.1	9
5	Acrolein oxidation to acrylic acid over the MoVOx material. Insights from DFT modeling. Applied Catalysis A: General, 2018, 565, 68-75.	4.3	13
6	On the structure of superbasic (MgO)_n sites solvated in a faujasite zeolite. Physical Chemistry Chemical Physics, 2018, 20, 18503-18514.	2.8	7
7	Surface Reactivity of the Vanadium Phosphate Catalyst for the Oxidation of Methane. Topics in Catalysis, 2017, 60, 1698-1708.	2.8	4
8	Desilication of SAPO-34: Reaction Mechanisms from Periodic DFT Calculations. Journal of Physical Chemistry C, 2015, 119, 2073-2085.	3.1	23
9	Mechanism of Si Island Formation in SAPO-34. Journal of Physical Chemistry C, 2015, 119, 2086-2095.	3.1	33
10	Correction to â€œMechanism of Si Island Formation in SAPO-34â€. Journal of Physical Chemistry C, 2015, 119, 20782-20782.	3.1	0
11	Mechanistic Comparison of the Dealumination in SSZ-13 and the Desilication in SAPO-34. Journal of Physical Chemistry C, 2013, 117, 13442-13451.	3.1	62
12	Computational Study of the Mechanism of Cyclic Acetal Formation via the Iridium(I)-Catalyzed Double Hydroalkoxylation of 4-Pentyn-1-ol with Methanol. Organometallics, 2011, 30, 618-626.	2.3	17
13	A Computational Study on the Role of Chiral Nâ€Oxides in Enantioselective Pausonâ€“Khand Reactions. Chemistry - A European Journal, 2011, 17, 10050-10057.	3.3	15
14	Origin of enantioselectivity in asymmetric Pausonâ€“Khand reactions catalyzed by [(BINAP)Co2(CO)6]â˜†. Journal of Molecular Catalysis A, 2010, 324, 127-132.	4.8	10
15	Practical Implications of Boronâ€toâ€Zinc Transmetalation for the Catalytic Asymmetric Arylation of Aldehydes. Angewandte Chemie - International Edition, 2008, 47, 1098-1101.	13.8	82