Poul Georg Moses

List of Publications by Year
in descending order

28	5,220	411340	536525
papers	citations	20 h-index	29 g-index

30	30	30	10138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probing surface-sensitive redox properties of VO_x/TiO₂ catalyst nanoparticles. Nanoscale, 2021, 13, 7266-7272.	2.8	9
2	Single-atom Pt promotion of industrial Co-Mo-S catalysts for ultra-deep hydrodesulfurization. Journal of Catalysis, 2021, 403, 74-86.	3.1	21
3	Surface Topotactic Growth of Edge-Terminated MoS2 Catalysts. Microscopy and Microanalysis, 2019, 25, 1456-1457.	0.2	0
4	Catalyst design criteria and fundamental limitations in the electrochemical synthesis of dimethyl carbonate. Green Chemistry, 2019, 21, 6200-6209.	4.6	6
5	Electrochemically Generated Copper Carbonyl for Selective Dimethyl Carbonate Synthesis. ACS Catalysis, 2019, 9, 859-866.	5.5	15
6	Modeling the adsorption of sulfur containing molecules and their hydrodesulfurization intermediates on the Co-promoted MoS2 catalyst by DFT. Journal of Catalysis, 2018, 358, 131-140.	3.1	43
7	Topotactic Growth of Edge-Terminated MoS₂ from MoO₂ Nanocrystals. ACS Nano, 2018, 12, 5351-5358.	7.3	26
8	A complete reaction mechanism for standard and fast selective catalytic reduction of nitrogen oxides on low coverage VO /TiO2(0 0 1) catalysts. Journal of Catalysis, 2017, 346, 188-197.	3.1	101
9	Modeling the active sites of Co-promoted MoS₂ particles by DFT. Physical Chemistry Chemical Physics, 2017, 19, 2017-2024.	1.3	25
10	Visualizing atomic-scale redox dynamics in vanadium oxide-based catalysts. Nature Communications, 2017, 8, 305.	5.8	59
11	Relation between Hydrogen Evolution and Hydrodesulfurization Catalysis. ChemCatChem, 2016, 8, 3334-3337.	1.8	20
12	Exploring Scaling Relations for Chemisorption Energies on Transitionâ€Metalâ€Exchanged Zeolites ZSMâ€22 and ZSMâ€5. ChemCatChem, 2016, 8, 767-772.	1.8	18
13	The reaction mechanism for the SCR process on monomer V⁵⁺ sites and the effect of modified BrÃ¸nsted acidity. Physical Chemistry Chemical Physics, 2016, 18, 17071-17080.	1.3	53
14	Activation of Oxygen and NO in NH3-SCR over Cu-CHA Catalysts Evaluated by Density Functional Theory. Topics in Catalysis, 2016, 59, 861-865.	1.3	31
15	An industrial perspective on the impact of Haldor TopsÃ¸e on computational chemistry. Journal of Catalysis, 2015, 328, 19-25.	3.1	4
16	Ketene as a Reaction Intermediate in the Carbonylation of Dimethyl Ether to Methyl Acetate over Mordenite. Angewandte Chemie - International Edition, 2015, 54, 7261-7264.	7.2	98
17	A Consistent Reaction Scheme for the Selective Catalytic Reduction of Nitrogen Oxides with Ammonia. ACS Catalysis, 2015, 5, 2832-2845.	5.5	400
18	Coexistence of Square Pyramidal Structures of Oxo Vanadium (+5) and (+4) Species Over Low-Coverage VO_X/TiO₂ (101) and (001) Anatase Catalysts. Journal of Physical Chemistry C, 2015, 119, 23445-23452.	1.5	34

#	Article	IF	Citations
19	Methanol-to-hydrocarbons conversion: The alkene methylation pathway. Journal of Catalysis, 2014, 314, 159-169.	3.1	136
20	Thermochemistry and micro-kinetic analysis of methanol synthesis on ZnO (0 0 0 1). Journal of Catalysis, 2014, 309, 397-407.	3.1	54
21	Trends in Hydrodesulfurization Catalysis Based on Realistic Surface Models. Catalysis Letters, 2014, 144, 1425-1432.	1.4	32
22	Methanol to Dimethyl Ether over ZSM-22: A Periodic Density Functional Theory Study. ACS Catalysis, 2013, 3, 735-745.	5.5	76
23	The effect of Co-promotion on MoS2 catalysts for hydrodesulfurization of thiophene: A density functional study. Journal of Catalysis, 2009, 268, 201-208.	3.1	136
24	Density functional study of the adsorption and van der Waals binding of aromatic and conjugated compounds on the basal plane of MoS2. Journal of Chemical Physics, 2009, 130, 104709.	1.2	108
25	Recent density functional studies of hydrodesulfurization catalysts: insight into structure and mechanism. Journal of Physics Condensed Matter, 2008, 20, 064236.	0.7	25
26	A density functional study of inhibition of the HDS hydrogenation pathway by pyridine, benzene, and H2S on MoS2-based catalysts. Catalysis Today, 2006, 111, 44-51.	2.2	93
27	Biomimetic Hydrogen Evolution: MoS2 Nanoparticles as Catalyst for Hydrogen Evolution. ChemInform, 2005, 36, no.	0.1	12
28	Biomimetic Hydrogen Evolution:Â MoS2Nanoparticles as Catalyst for Hydrogen Evolution. Journal of the American Chemical Society, 2005, 127, 5308-5309.	6.6	3,497