Miroslaw A Derewinski

List of Publications by Year
in descending order

20	783	516710 16	794594 19
papers	citations	h-index	g-index

21	21	21	1123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sub-micron Cu/SSZ-13: Synthesis and application as selective catalytic reduction (SCR) catalysts. Applied Catalysis B: Environmental, 2017, 201, 461-469.	20.2	101
2	Understanding the Role of Metal and Molecular Structure on the Electrocatalytic Hydrogenation of Oxygenated Organic Compounds. ACS Catalysis, 2019, 9, 9964-9972.	11.2	81
3	Improving Stability of Zeolites in Aqueous Phase via Selective Removal of Structural Defects. Journal of the American Chemical Society, 2016, 138, 4408-4415.	13.7	79
4	Performance of Base and Noble Metals for Electrocatalytic Hydrogenation of Bio-Oil-Derived Oxygenated Compounds. ACS Sustainable Chemistry and Engineering, 2020, 8, 4407-4418.	6.7	65
5	Impact of Zeolite Aging in Hot Liquid Water on Activity for Acid-Catalyzed Dehydration of Alcohols. Journal of the American Chemical Society, 2015, 137, 10374-10382.	13.7	63
6	Stability of Zeolites in Aqueous Phase Reactions. Chemistry of Materials, 2017, 29, 7255-7262.	6.7	55
7	A Tunable Bimetallic MOFâ€74 for Adsorption Chiller Applications. European Journal of Inorganic Chemistry, 2018, 2018, 885-889.	2.0	41
8	Impact of chabazite SSZ-13 textural properties and chemical composition on CO₂ adsorption applications. New Journal of Chemistry, 2016, 40, 4375-4385.	2.8	40
9	Reversibility of the Modification of HZSM-5 with Phosphate Anions. Journal of Physical Chemistry C, 2014, 118, 6122-6131.	3.1	36
10	Elementary Steps of Faujasite Formation Followed by in Situ Spectroscopy. Chemistry of Materials, 2018, 30, 888-897.	6.7	29
11	Impact of structural defects and hydronium ion concentration on the stability of zeolite BEA in aqueous phase. Applied Catalysis B: Environmental, 2018, 237, 996-1002.	20.2	29
12	Thermal stability and siting of aluminum in isostructural ZSM-22 and Theta-1 zeolites. Catalysis Today, 2006, 114, 197-204.	4.4	28
13	Dynamic Adsorption of CO₂/N₂ on Cation-Exchanged Chabazite SSZ-13: A Breakthrough Analysis. ACS Applied Materials & Interfaces, 2018, 10, 14287-14291.	8.0	27
14	Role of Zeolite Structural Properties toward Iodine Capture: A Head-to-head Evaluation of Framework Type and Chemical Composition. ACS Applied Materials & Interfaces, 2022, 14, 18439-18452.	8.0	27
15	Recent Progress to Understand and Improve Zeolite Stability in the Aqueous Medium. Petroleum Chemistry, 2020, 60, 420-436.	1.4	26
16	Electrochemically Tunable Protonâ€Coupled Electron Transfer in Pdâ€Catalyzed Benzaldehyde Hydrogenation. Angewandte Chemie, 2020, 132, 1517-1521.	2.0	18
17	On the Nature of Extra-Framework Aluminum Species and Improved Catalytic Properties in Steamed Zeolites. Molecules, 2022, 27, 2352.	3.8	12
18	Synthesis of Zeolite Beta in Boron-Aluminium Media. Studies in Surface Science and Catalysis, 1991, 69, 127-134.	1.5	11

#	Article	IF	Citations
19	Biomimetic CO oxidation below â˜’100â€‰Â°C by a nitrate-containing metal-free microporous system. Nature Communications, 2021, 12, 6033.	12.8	8
20	Synthetic zeolites and their characterization. , 2020, , 65-88.		7