

Miroslaw A Derewinski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8013048/publications.pdf>

Version: 2024-02-01

20
papers

783
citations

516710

16
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Nature of Extra-Framework Aluminum Species and Improved Catalytic Properties in Steamed Zeolites. <i>Molecules</i> , 2022, 27, 2352.	3.8	12
2	Role of Zeolite Structural Properties toward Iodine Capture: A Head-to-head Evaluation of Framework Type and Chemical Composition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18439-18452.	8.0	27
3	Biomimetic CO oxidation below $\sim 100^\circ\text{C}$ by a nitrate-containing metal-free microporous system. <i>Nature Communications</i> , 2021, 12, 6033.	12.8	8
4	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 1517-1521.	2.0	18
5	Synthetic zeolites and their characterization. , 2020, , 65-88.		7
6	Recent Progress to Understand and Improve Zeolite Stability in the Aqueous Medium. <i>Petroleum Chemistry</i> , 2020, 60, 420-436.	1.4	26
7	Performance of Base and Noble Metals for Electrocatalytic Hydrogenation of Bio-Oil-Derived Oxygenated Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4407-4418.	6.7	65
8	Understanding the Role of Metal and Molecular Structure on the Electrocatalytic Hydrogenation of Oxygenated Organic Compounds. <i>ACS Catalysis</i> , 2019, 9, 9964-9972.	11.2	81
9	Dynamic Adsorption of CO_2/N_2 on Cation-Exchanged Chabazite SSZ-13: A Breakthrough Analysis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14287-14291.	8.0	27
10	A Tunable Bimetallic MOF-74 for Adsorption Chiller Applications. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 885-889.	2.0	41
11	Elementary Steps of Faujasite Formation Followed by in Situ Spectroscopy. <i>Chemistry of Materials</i> , 2018, 30, 888-897.	6.7	29
12	Impact of structural defects and hydronium ion concentration on the stability of zeolite BEA in aqueous phase. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 996-1002.	20.2	29
13	Stability of Zeolites in Aqueous Phase Reactions. <i>Chemistry of Materials</i> , 2017, 29, 7255-7262.	6.7	55
14	Sub-micron Cu/SSZ-13: Synthesis and application as selective catalytic reduction (SCR) catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 461-469.	20.2	101
15	Impact of chabazite SSZ-13 textural properties and chemical composition on CO_2 adsorption applications. <i>New Journal of Chemistry</i> , 2016, 40, 4375-4385.	2.8	40
16	Improving Stability of Zeolites in Aqueous Phase via Selective Removal of Structural Defects. <i>Journal of the American Chemical Society</i> , 2016, 138, 4408-4415.	13.7	79
17	Impact of Zeolite Aging in Hot Liquid Water on Activity for Acid-Catalyzed Dehydration of Alcohols. <i>Journal of the American Chemical Society</i> , 2015, 137, 10374-10382.	13.7	63
18	Reversibility of the Modification of HZSM-5 with Phosphate Anions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6122-6131.	3.1	36

#	ARTICLE	IF	CITATIONS
19	Thermal stability and siting of aluminum in isostructural ZSM-22 and Theta-1 zeolites. <i>Catalysis Today</i> , 2006, 114, 197-204.	4.4	28
20	Synthesis of Zeolite Beta in Boron-Aluminium Media. <i>Studies in Surface Science and Catalysis</i> , 1991, 69, 127-134.	1.5	11