Pieter Vanelderen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11415235/publications.pdf

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18 papers	2,190 citations	623734 14 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	2457 citing authors

#	Article	IF	Citations
1	Fast and Selective Sugar Conversion to Alkyl Lactate and Lactic Acid with Bifunctional Carbonâ€“Silica Catalysts. Journal of the American Chemical Society, 2012, 134, 10089-10101.	13.7	337
2	The active site of low-temperature methane hydroxylation in iron-containing zeolites. Nature, 2016, 536, 317-321.	27.8	331
3	Spectroscopic Definition of the Copper Active Sites in Mordenite: Selective Methane Oxidation. Journal of the American Chemical Society, 2015, 137, 6383-6392.	13.7	243
4	Productive sugar isomerization with highly active Sn in dealuminated Î² zeolites. Green Chemistry, 2013, 15, 2777.	9.0	232
5	Oxygen Precursor to the Reactive Intermediate in Methanol Synthesis by Cu-ZSM-5. Journal of the American Chemical Society, 2010, 132, 14736-14738.	13.7	223
6	Coordination chemistry and reactivity of copper in zeolites. Coordination Chemistry Reviews, 2013, 257, 483-494.	18.8	162
7	Cu-ZSM-5: A biomimetic inorganic model for methane oxidation. Journal of Catalysis, 2011, 284, 157-164.	6.2	155
8	Ternary Ag/MgOâ€SiO₂ Catalysts for the Conversion of Ethanol into Butadiene. ChemSusChem, 2015, 8, 994-1008.	6.8	147
9	[Cu₂O]²⁺ Active Site Formation in Cuâ€“ZSM-5: Geometric and Electronic Structure Requirements for N₂O Activation. Journal of the American Chemical Society, 2014, 136, 3522-3529.	13.7	139
10	Spectroscopy and Redox Chemistry of Copper in Mordenite. ChemPhysChem, 2014, 15, 91-99.	2.1	79
11	Second-Sphere Effects on Methane Hydroxylation in Cu-Zeolites. Journal of the American Chemical Society, 2018, 140, 9236-9243.	13.7	58
12	Identification of Î±-Fe in High-Silica Zeolites on the Basis of ab Initio Electronic Structure Calculations. Inorganic Chemistry, 2017, 56, 10681-10690.	4.0	24
13	Photo Material Readiness at the Eve of EUVL HVM. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 613-617.	0.3	19
14	Mechanism of selective benzene hydroxylation catalyzed by iron-containing zeolites. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12124-12129.	7.1	17
15	The Role of Underlayers in EUVL. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 209-214.	0.3	9
16	Impact of sequential infiltration synthesis (SIS) on roughness and stochastic nano-failures for EUVL patterning. , 2019, , .		5
17	LCDU optimization of STT-MRAM 50nm pitch MTJ pillars for process window improvement. , 2019, , .		4
18	Direct Catalytic Decomposition of N2O over Cu- and Fe-Zeolites. , 2013, , 399-419.		1