

Pieter Vanelderren

List of Publications by Year in descending order

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

Version: 2024-02-01

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 | LCDU optimization of STT-MRAM 50nm pitch MTJ pillars for process window improvement. , 2019, , . | | 4 |
| 2 | Impact of sequential infiltration synthesis (SIS) on roughness and stochastic nano-failures for EUVL patterning. , 2019, , . | | 5 |
| 3 | The Role of Underlayers in EUVL. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 209-214. | 0.3 | 9 |
| 4 | 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 |
| 5 | Second-Sphere Effects on Methane Hydroxylation in Cu-Zeolites. Journal of the American Chemical Society, 2018, 140, 9236-9243. | 13.7 | 58 |
| 6 | Identification of $\hat{1}\pm$ -Fe in High-Silica Zeolites on the Basis of ab Initio Electronic Structure Calculations. Inorganic Chemistry, 2017, 56, 10681-10690. | 4.0 | 24 |
| 7 | 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 |
| 8 | The active site of low-temperature methane hydroxylation in iron-containing zeolites. Nature, 2016, 536, 317-321. | 27.8 | 331 |
| 9 | 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 |
| 10 | Ternary Ag/MgO@SiO ₂ Catalysts for the Conversion of Ethanol into Butadiene. ChemSusChem, 2015, 8, 994-1008. | 6.8 | 147 |
| 11 | [Cu ₂ O] ²⁺ Active Site Formation in Cu@ZSM-5: Geometric and Electronic Structure Requirements for N ₂ O Activation. Journal of the American Chemical Society, 2014, 136, 3522-3529. | 13.7 | 139 |
| 12 | Spectroscopy and Redox Chemistry of Copper in Mordenite. ChemPhysChem, 2014, 15, 91-99. | 2.1 | 79 |
| 13 | Productive sugar isomerization with highly active Sn in dealuminated $\hat{1}^2$ zeolites. Green Chemistry, 2013, 15, 2777. | 9.0 | 232 |
| 14 | Direct Catalytic Decomposition of N ₂ O over Cu- and Fe-Zeolites. , 2013, , 399-419. | | 1 |
| 15 | Coordination chemistry and reactivity of copper in zeolites. Coordination Chemistry Reviews, 2013, 257, 483-494. | 18.8 | 162 |
| 16 | Fast and Selective Sugar Conversion to Alkyl Lactate and Lactic Acid with Bifunctional Carbon@Silica Catalysts. Journal of the American Chemical Society, 2012, 134, 10089-10101. | 13.7 | 337 |
| 17 | Cu-ZSM-5: A biomimetic inorganic model for methane oxidation. Journal of Catalysis, 2011, 284, 157-164. | 6.2 | 155 |
| 18 | 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 |