

Arno J.F. Van Hoof

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,252
citations

516710

16
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677142

22
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24
all docs

24
docs citations

24
times ranked

2109
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting CO ₂ hydrogenation via size-dependent metal–support interactions in cobalt/ceria-based catalysts. <i>Nature Catalysis</i> , 2020, 3, 526-533.	34.4	286
2	Development of Methods for the Determination of pK _a Values. <i>Analytical Chemistry Insights</i> , 2013, 8, ACI.S12304.	2.7	275
3	Controlled formation of iron carbides and their performance in Fischer-Tropsch synthesis. <i>Journal of Catalysis</i> , 2018, 362, 106-117.	6.2	108
4	Pt-Re synergy in aqueous-phase reforming of glycerol and the water–gas shift reaction. <i>Journal of Catalysis</i> , 2014, 311, 88-101.	6.2	103
5	A dual-templating synthesis strategy to hierarchical ZSM-5 zeolites as efficient catalysts for the methanol-to-hydrocarbons reaction. <i>Journal of Catalysis</i> , 2018, 361, 135-142.	6.2	66
6	Enhancing the electrocatalytic activity of 2H-WS ₂ for hydrogen evolution via defect engineering. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6071-6079.	2.8	60
7	Silylation enhances the performance of Au/TiO ₂ catalysts in direct epoxidation of propene using H ₂ and O ₂ . <i>Journal of Catalysis</i> , 2016, 344, 434-444.	6.2	46
8	Unraveling the Role of Lithium in Enhancing the Hydrogen Evolution Activity of MoS ₂ : Intercalation versus Adsorption. <i>ACS Energy Letters</i> , 2019, 4, 1733-1740.	17.4	45
9	Reversible Restructuring of Silver Particles during Ethylene Epoxidation. <i>ACS Catalysis</i> , 2018, 8, 11794-11800.	11.2	42
10	Structure Sensitivity of Silver-Catalyzed Ethylene Epoxidation. <i>ACS Catalysis</i> , 2019, 9, 9829-9839.	11.2	34
11	Tunable colloidal Ni nanoparticles confined and redistributed in mesoporous silica for CO ₂ methanation. <i>Catalysis Science and Technology</i> , 2019, 9, 2578-2591.	4.1	31
12	On the surface-dependent oxidation of Cu ₂ O during CO oxidation: Cu ²⁺ is more active than Cu ⁺ . <i>Applied Catalysis A: General</i> , 2020, 602, 117712.	4.3	29
13	Mechanistic aspects of n-paraffins hydrocracking: Influence of zeolite morphology and acidity of Pd(Pt)/ZSM-5 catalysts. <i>Journal of Catalysis</i> , 2020, 389, 544-555.	6.2	24
14	Dynamics of silver particles during ethylene epoxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118983.	20.2	21
15	A Robust Au/ZnCr ₂ O ₄ Catalyst with Highly Dispersed Gold Nanoparticles for Gas-Phase Selective Oxidation of Cyclohexanol to Cyclohexanone. <i>ACS Catalysis</i> , 2019, 9, 11104-11115.	11.2	20
16	Mild dealumination of template-stabilized zeolites by NH ₄ F. <i>Catalysis Science and Technology</i> , 2019, 9, 4239-4247.	4.1	16
17	Mordenite Nanorods Prepared by an Inexpensive Pyrrolidine-based Mesoporegen for Alkane Hydroisomerization. <i>ChemCatChem</i> , 2019, 11, 2803-2811.	3.7	14
18	In situ structural evolution of single particle model catalysts under ambient pressure reaction conditions. <i>Nanoscale</i> , 2019, 11, 331-338.	5.6	10

#	ARTICLE	IF	CITATIONS
19	Hierarchically Porous (Alumino)Silicates Prepared by an Imidazole-Based Surfactant and Their Application in Acid-Catalyzed Reactions. ACS Applied Materials & Interfaces, 2019, 11, 40151-40162.	8.0	8
20	The Influence and Removability of Colloidal Capping Agents on Carbon Monoxide Hydrogenation by Zirconia-Supported Rhodium Nanoparticles. ChemCatChem, 2017, 9, 1018-1024.	3.7	7
21	A versatile mono-quaternary ammonium salt as a mesopore-former for the synthesis of hierarchical zeolites. Catalysis Science and Technology, 2019, 9, 6737-6748.	4.1	4
22	The Important Role of Rubidium Hydroxide in the Synthesis of Hierarchical ZSM-5 Zeolite Using Cetyltrimethylammonium as Structure-Directing Agent. European Journal of Inorganic Chemistry, 2019, 2019, 2493-2497.	2.0	3
23	Mordenite Nanorods Prepared by an Inexpensive Pyrrolidine-based Mesopore-former for Alkane Hydroisomerization. ChemCatChem, 2019, 11, 2754-2754.	3.7	0