

# Danny Verboekend

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

4,220  
citations

218677

26  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Zeolites Overcome all Obstacles: Next Stop Industrial Implementation. <i>Chimia</i> , 2022, 67, 327.	0.6	29
2	Aromatics Production from Lignocellulosic Biomass: Shape Selective Dealkylation of Lignin-Derived Phenolics over Hierarchical ZSM-5. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8713-8722.	6.7	45
3	A sustainable wood biorefinery for low-carbon footprint chemicals production. <i>Science</i> , 2020, 367, 1385-1390.	12.6	631
4	Shape selectivity vapor-phase conversion of lignin-derived 4-ethylphenol to phenol and ethylene over acidic aluminosilicates: Impact of acid properties and pore constraint. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 117-129.	20.2	75
5	Synthetic and Catalytic Potential of Amorphous Mesoporous Aluminosilicates Prepared by Postsynthetic Aluminations of Silica in Aqueous Media. <i>ChemCatChem</i> , 2018, 10, 1385-1397.	3.7	7
6	Propylphenol to Phenol and Propylene over Acidic Zeolites: Role of Shape Selectivity and Presence of Steam. <i>ACS Catalysis</i> , 2018, 8, 7861-7878.	11.2	59
7	Enhanced Acidity and Accessibility in Al-MCM-41 through Aluminum Activation. <i>Chemistry of Materials</i> , 2016, 28, 7731-7743.	6.7	32
8	Potential and challenges of zeolite chemistry in the catalytic conversion of biomass. <i>Chemical Society Reviews</i> , 2016, 45, 584-611.	38.1	619
9	Alkylphenols to phenol and olefins by zeolite catalysis: a pathway to valorize raw and fossilized lignocellulose. <i>Green Chemistry</i> , 2016, 18, 297-306.	9.0	105
10	Catalyst Design by NH <sub>4</sub> OH Treatment of USY Zeolite. <i>Advanced Functional Materials</i> , 2015, 25, 7130-7144.	14.9	76
11	Hierarchical Zeolite: Catalyst Design by NH <sub>4</sub> OH Treatment of USY Zeolite ( <i>Adv. Funct. Mater.</i> )	14.9	76
12	Potential of Sustainable Hierarchical Zeolites in the Valorization of Pinene. <i>ChemSusChem</i> , 2015, 8, 1197-1205.	6.8	41
13	Hierarchical high-silica zeolites as superior base catalysts. <i>Chemical Science</i> , 2014, 5, 677-684.	7.4	77
14	Towards a Sustainable Manufacture of Hierarchical Zeolites. <i>ChemSusChem</i> , 2014, 7, 653-653.	6.8	1
15	Hierarchical Silicoaluminophosphates by Postsynthetic Modification: Influence of Topology, Composition, and Silicon Distribution. <i>Chemistry of Materials</i> , 2014, 26, 4552-4562.	6.7	91
16	Towards a Sustainable Manufacture of Hierarchical Zeolites. <i>ChemSusChem</i> , 2014, 7, 753-764.	6.8	81
17	Hierarchical Zeolites by Desilication: Occurrence and Catalytic Impact of Recrystallization and Restructuring. <i>Crystal Growth and Design</i> , 2013, 13, 5025-5035.	3.0	74
18	Stabilized hierarchical USY zeolite catalysts for simultaneous increase in diesel and LPG olefinicity during catalytic cracking. <i>Catalysis Science and Technology</i> , 2013, 3, 972.	4.1	64

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19	Hierarchical FAU- and LTA-Type Zeolites by Post-Synthetic Design: A New Generation of Highly Efficient Base Catalysts. <i>Advanced Functional Materials</i> , 2013, 23, 1923-1934.	14.9	125
20	Decoupling porosity and compositional effects on desilicated ZSM-5 zeolites for optimal alkylation performance. <i>Catalysis Science and Technology</i> , 2012, 2, 759.	4.1	64
21	Mesopore Formation in USY and Beta Zeolites by Base Leaching: Selection Criteria and Optimization of Pore-Directing Agents. <i>Crystal Growth and Design</i> , 2012, 12, 3123-3132.	3.0	144
22	Hierarchical Y and USY Zeolites Designed by Post-Synthetic Strategies. <i>Advanced Functional Materials</i> , 2012, 22, 916-928.	14.9	283
23	Towards more efficient monodimensional zeolite catalysts: n-alkane hydro-isomerisation on hierarchical ZSM-22. <i>Catalysis Science and Technology</i> , 2011, 1, 1331.	4.1	72
24	Mesoporous ZSM-22 zeolite obtained by desilication: peculiarities associated with crystal morphology and aluminium distribution. <i>CrystEngComm</i> , 2011, 13, 3408.	2.6	140
25	Full Compositional Flexibility in the Preparation of Mesoporous MFI Zeolites by Desilication. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14193-14203.	3.1	230
26	Design of hierarchical zeolite catalysts by desilication. <i>Catalysis Science and Technology</i> , 2011, 1, 879.	4.1	576
27	Expanding the Horizons of Hierarchical Zeolites: Beyond Laboratory Curiosity towards Industrial Realization. <i>ChemCatChem</i> , 2011, 3, 1731-1734.	3.7	84
28	Desilication Mechanism Revisited: Highly Mesoporous All-Silica Zeolites Enabled Through Pore-Directing Agents. <i>Chemistry - A European Journal</i> , 2011, 17, 1137-1147.	3.3	235
29	Inside Cover: Desilication Mechanism Revisited: Highly Mesoporous All-Silica Zeolites Enabled Through Pore-Directing Agents (Chem. Eur. J. 4/2011). <i>Chemistry - A European Journal</i> , 2011, 17, 1062-1062.	3.3	0
30	Interplay of Properties and Functions upon Introduction of Mesoporosity in ITQ-4 Zeolite. <i>Advanced Functional Materials</i> , 2010, 20, 1441-1450.	14.9	69
31	Properties and Functions of Hierarchical Ferrierite Zeolites Obtained by Sequential Post-Synthesis Treatments. <i>Chemistry of Materials</i> , 2010, 22, 4679-4689.	6.7	84