

# Martin Kubáček

## List of Publications by Year in descending order

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49  
papers

1,282  
citations

394421

19  
h-index

361022

35  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Postsynthesis Transformation of Three-Dimensional Framework into a Lamellar Zeolite with Modifiable Architecture. <i>Journal of the American Chemical Society</i> , 2011, 133, 6130-6133.	13.7	208
2	Aldol condensation of furfural and acetone on zeolites. <i>Catalysis Today</i> , 2014, 227, 154-162.	4.4	125
3	Catalytic cracking of Arabian Light VGO over novel zeolites as FCC catalyst additives for maximizing propylene yield. <i>Fuel</i> , 2016, 167, 226-239.	6.4	67
4	Swelling and Interlayer Chemistry of Layered MWW Zeolites MCM-22 and MCM-56 with High Al Content. <i>Chemistry of Materials</i> , 2015, 27, 4620-4629.	6.7	64
5	The Assembly–Disassembly–Organization–Reassembly Mechanism for 3D→2D→3D Transformation of Germanosilicate MWW Zeolite. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7048-7052.	13.8	62
6	Epoxidation of bulky organic molecules over pillared titanosilicates. <i>Catalysis Today</i> , 2015, 243, 134-140.	4.4	57
7	Pillared MWW zeolites MCM-36 prepared by swelling MCM-22P in concentrated surfactant solutions. <i>Catalysis Today</i> , 2012, 179, 35-42.	4.4	55
8	Swelling of MCM-56 and MCM-22P with a new medium “surfactant” tetramethylammonium hydroxide mixtures. <i>Catalysis Today</i> , 2013, 204, 8-14.	4.4	51
9	Accessibility enhancement of TS-1-based catalysts for improving the epoxidation of plant oil-derived substrates. <i>Catalysis Science and Technology</i> , 2016, 6, 7280-7288.	4.1	39
10	Catalytic cracking of vacuum gasoil over -SVR, ITH, and MFI zeolites as FCC catalyst additives. <i>Fuel Processing Technology</i> , 2017, 161, 23-32.	7.2	31
11	Encapsulation of Pt nanoparticles into IPC-2 and IPC-4 zeolites using the ADOR approach. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 364-370.	4.4	31
12	Adsorption of Carbon Dioxide on High-Silica Zeolites with Different Framework Topology. <i>Topics in Catalysis</i> , 2010, 53, 1361-1366.	2.8	30
13	Highly Active Layered Titanosilicate Catalyst with High Surface Density of Isolated Titanium on the Accessible Interlayer Surface. <i>ChemCatChem</i> , 2018, 10, 2536-2540.	3.7	25
14	Synthesis and catalytic properties of titanium containing extra-large pore zeolite CIT-5. <i>Catalysis Today</i> , 2014, 227, 80-86.	4.4	24
15	10-ring Zeolites: Synthesis, characterization and catalytic applications. <i>Catalysis Today</i> , 2019, 324, 3-14.	4.4	23
16	Î±-Pinene oxide isomerization: role of zeolite structure and acidity in the selective synthesis of campholenic aldehyde. <i>Catalysis Science and Technology</i> , 2018, 8, 2488-2501.	4.1	22
17	A New Family of Two-Dimensional Zeolites Prepared from the Intermediate Layered Precursor IPC→P Obtained during the Synthesis of TUN Zeolite. <i>Chemistry - A European Journal</i> , 2013, 19, 13937-13945.	3.3	21
18	The Brønsted acidity of three- and two-dimensional zeolites. <i>Microporous and Mesoporous Materials</i> , 2019, 282, 121-132.	4.4	21

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19	Ru complexes of Hoveyda's Grubbs type immobilized on lamellar zeolites: activity in olefin metathesis reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2087-2096.	2.2	19
20	TUN, IMF and -SVR Zeolites; Synthesis, Properties and Acidity. <i>Topics in Catalysis</i> , 2010, 53, 1330-1339.	2.8	18
21	Post-synthesis modification of TUN zeolite: Textural, acidic and catalytic properties. <i>Catalysis Today</i> , 2011, 168, 63-70.	4.4	17
22	Zeolite framework functionalisation by tuneable incorporation of various metals into the IPC-2 zeolite. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2746-2755.	6.0	17
23	Synthesis of Pt-MWW with controllable nanoparticle size. <i>Catalysis Today</i> , 2019, 324, 135-143.	4.4	17
24	Modification of textural and acidic properties of -SVR zeolite by desilication. <i>Catalysis Today</i> , 2014, 227, 26-32.	4.4	16
25	Interconversion of the CDO Layered Precursor ZSM-55 between FER and CDO Frameworks by Controlled Deswelling and Reassembly. <i>Chemistry of Materials</i> , 2016, 28, 3616-3619.	6.7	16
26	Three-dimensional 10-ring zeolites: The activities in toluene alkylation and disproportionation. <i>Catalysis Today</i> , 2016, 259, 97-106.	4.4	16
27	Pillaring of layered zeolite precursors with ferrierite topology leading to unusual molecular sieves on the micro/mesoporous border. <i>Dalton Transactions</i> , 2018, 47, 3029-3037.	3.3	16
28	Application of quasi-equilibrated thermodesorption of linear and di-branched paraffin molecules for detailed porosity characterization of the mono-layered zeolite MCM-56, in comparison with MCM-22 and ZSM-5. <i>Dalton Transactions</i> , 2014, 43, 10574-10583.	3.3	15
29	Germanosilicate UTL and its rich chemistry of solid-state transformations towards IPC-2 (OKO) zeolite. <i>Catalysis Today</i> , 2015, 243, 23-31.	4.4	13
30	The effect of alkylation route on ethyltoluene production over different structural types of zeolites. <i>Chemical Engineering Journal</i> , 2016, 306, 1071-1080.	12.7	13
31	The Role of Water Loading and Germanium Content in Germanosilicate Hydrolysis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23744-23757.	3.1	12
32	Desilication of SSZ-33 zeolite - Post-synthesis modification of textural and acidic properties. <i>Catalysis Today</i> , 2015, 243, 46-52.	4.4	11
33	Homo- and Copolycyclotrimerization of Aromatic Internal Diynes Catalyzed with $\text{Co}(\text{CO})_8$ : A Facile Route to Microporous Photoluminescent Polyphenylenes with Hyperbranched or Crosslinked Architecture. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700518.	3.9	11
34	Structural transformation and chemical modifications of the unusual layered zeolite MWW form SSZ-70. <i>Catalysis Today</i> , 2020, 354, 133-140.	4.4	11
35	Electronic/steric effects in hydrogenation of nitroarenes over the heterogeneous Pd@BEA and Pd@MWW catalysts. <i>Catalysis Today</i> , 2020, 345, 39-47.	4.4	11
36	Imidazolium-type ionic liquid-assisted formation of the MFI zeolite loaded with metal nanoparticles for hydrogenation reactions. <i>Chemical Engineering Journal</i> , 2021, 412, 128599.	12.7	11

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37	The Effect of Zeolite Structure on the Activity and Selectivity in p-Xylene Alkylation with Isopropyl Alcohol. <i>Catalysis Letters</i> , 2009, 131, 393-400.	2.6	10
38	H/D reactivity and acidity of Brønsted acid sites of MWW zeolites: Comparison with MFI zeolite. <i>Applied Catalysis A: General</i> , 2019, 575, 180-186.	4.3	10
39	Alkylation of phenols and acylation 2-methoxynaphthalene over SSZ-33, SSZ-35 and SSZ-42 zeolites. <i>Microporous and Mesoporous Materials</i> , 2015, 210, 133-141.	4.4	9
40	A new adsorption isotherm for C5 hydrocarbons on metal-organic framework Cu <sub>3</sub> (BTC) <sub>2</sub> . <i>Adsorption</i> , 2015, 21, 99-105.	3.0	7
41	Catalytic applications and FTIR investigation of zeolite SSZ-33 after isomorphous substitution. <i>Microporous and Mesoporous Materials</i> , 2014, 194, 174-182.	4.4	6
42	2D-to-3D zeolite transformation for the preparation of Pd@MWW catalysts with tuneable acidity. <i>Catalysis Today</i> , 2022, 390-391, 109-116.	4.4	6
43	Catalytic activity enhancement in pillared zeolites produced from exfoliated MWW monolayers in solution. <i>Catalysis Today</i> , 2022, 390-391, 272-280.	4.4	5
44	Gas-phase isomerisation of m-xylene on isorecticular zeolites with tuneable porosity. <i>Catalysis Today</i> , 2021, , .	4.4	5
45	Nanosponge hierarchical micro-mesoporous MFI zeolites as a high-performance catalyst for the hydroamination of methyl acrylate with aniline. <i>Microporous and Mesoporous Materials</i> , 2022, , 112087.	4.4	3
46	Transformation of analcime into IMF structure during the synthesis of IMF zeolite. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 121-126.	4.4	1
47	Platinum nanoparticles supported on zeolite MWW nanosheets prepared via homogeneous solution route. <i>Catalysis Today</i> , 2022, 390-391, 335-342.	4.4	1
48	Reactivity of internal vs. external Brønsted acid sites in nanosponge MFI: H/D exchange kinetic study. <i>Microporous and Mesoporous Materials</i> , 2022, 332, 111717.	4.4	1
49	Adsorption and catalytic study of cyclopentyl methyl ether formation: structure-activity interplay in medium-pore zeolites. <i>Applied Materials Today</i> , 2022, 28, 101505.	4.3	1