

Michal Mazur

List of Publications by Year in descending order

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49
papers

1,283
citations

394421

19
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Platinum nanoparticles supported on zeolite MWW nanosheets prepared via homogeneous solution route. <i>Catalysis Today</i> , 2022, 390-391, 335-342.	4.4	1
2	Preparation of Fe@MFI and CuFe@MFI composite hydrogenation catalysts by reductive demetallation of Fe-zeolites. <i>Catalysis Today</i> , 2022, 390-391, 306-315.	4.4	6
3	Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzuki–Miyaura Cross-Coupling. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10428-10437.	8.0	18
4	Silver and copper modified zeolite imidazole frameworks as sustainable methane storage systems. <i>Journal of Cleaner Production</i> , 2022, 352, 131638.	9.3	1
5	Toward Controlling Disassembly Step within the ADOR Process for the Synthesis of Zeolites. <i>Chemistry of Materials</i> , 2021, 33, 1228-1237.	6.7	11
6	Ionomer content effect on charge and gas transport in the cathode catalyst layer of proton-exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2021, 490, 229531.	7.8	38
7	Controlled Synthesis of Large Single Crystals of Metal–Organic Framework CPO–Ni Prepared by a Modulation Approach: <i>In situ</i> Single-Crystal X-ray Diffraction Studies. <i>Chemistry - A European Journal</i> , 2021, 27, 8537-8546.	3.3	8
8	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
9	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 11052-11062.	13.7	18
10	Oxidative Dehydrogenation of Ethane with CO ₂ as a Soft Oxidant over a PtCe Bimetallic Catalyst. <i>ACS Catalysis</i> , 2021, 11, 9221-9232.	11.2	24
11	Experimental and Theoretical Studies of Sonically Prepared Cu–Y, Cu–USY and Cu–ZSM-5 Catalysts for SCR deNO _x . <i>Catalysis</i> , 2021, 11, 824.	3.5	8
12	Mixed zeolite hybrids combining the MFI structure with exfoliated MWW monolayers. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111300.	4.4	5
13	Post-Synthesis Functionalization Enables Fine-Tuning the Molecular Sieving Properties of Zeolites for Light Olefin/Paraffin Separations. <i>Advanced Materials</i> , 2021, 33, e2105398.	21.0	20
14	Poly(acrylic acid)-mediated synthesis of cerium oxide nanoparticles with variable oxidation states and their effect on regulating the intracellular ROS level. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7386-7400.	5.8	13
15	Nanosponge TS-1: A Fully Crystalline Hierarchical Epoxidation Catalyst. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001288.	3.7	9
16	Gas-phase isomerisation of m-xylene on isorecticular zeolites with tuneable porosity. <i>Catalysis Today</i> , 2021, , .	4.4	5
17	Post-Synthesis Functionalization Enables Fine-Tuning the Molecular Sieving Properties of Zeolites for Light Olefin/Paraffin Separations (Adv. Mater. 48/2021). <i>Advanced Materials</i> , 2021, 33, 2170376.	21.0	0
18	Zeolites in Pechmann condensation: Impact of the framework topology and type of acid sites. <i>Catalysis Today</i> , 2020, 345, 97-109.	4.4	3

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19	Exfoliation of layered mixed zirconium 4-sulfophenylphosphonate phenylphosphonates. Dalton Transactions, 2020, 49, 3816-3823.	3.3	6
20	Electronic/steric effects in hydrogenation of nitroarenes over the heterogeneous Pd@BEA and Pd@MWW catalysts. Catalysis Today, 2020, 345, 39-47.	4.4	11
21	Selective Recovery and Recycling of Germanium for the Design of Sustainable Zeolite Catalysts. ACS Sustainable Chemistry and Engineering, 2020, 8, 8235-8246.	6.7	23
22	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. Science Advances, 2020, 6, eaay8163.	10.3	37
23	Core-Shell Metal Zeolite Composite Catalysts for In Situ Processing of Fischer-Tropsch Hydrocarbons to Gasoline Type Fuels. ACS Catalysis, 2020, 10, 2544-2555.	11.2	34
24	Electron microscopy methods for characterisation of zeolite catalysts. Catalysis, 2020, , 151-187.	1.0	1
25	Hierarchical MTW zeolites in tetrahydropyranlation of alcohols: Comparison of bottom-up and top-down methods. Catalysis Today, 2019, 324, 123-134.	4.4	5
26	Synthesis of Pt-MWW with controllable nanoparticle size. Catalysis Today, 2019, 324, 135-143.	4.4	17
27	Vapour-phase-transport rearrangement technique for the synthesis of new zeolites. Nature Communications, 2019, 10, 5129.	12.8	29
28	Controlling dispersion and accessibility of Pd nanoparticles via 2D-to-3D zeolite transformation for shape-selective catalysis: Pd@MWW case. Materials Today Nano, 2019, 8, 100056.	4.6	9
29	A procedure for identifying possible products in the assembly-disassembly-organization-reassembly (ADOR) synthesis of zeolites. Nature Protocols, 2019, 14, 781-794.	12.0	22
30	Encapsulation of Pt nanoparticles into IPC-2 and IPC-4 zeolites using the ADOR approach. Microporous and Mesoporous Materials, 2019, 279, 364-370.	4.4	31
31	Magneto-structural correlations of novel kagom�-type metal organic frameworks. Journal of Materials Chemistry C, 2019, 7, 6692-6697.	5.5	10
32	A new layered MWW zeolite synthesized with the bifunctional surfactant template and the updated classification of layered zeolite forms obtained by direct synthesis. Journal of Materials Chemistry A, 2019, 7, 7701-7709.	10.3	41
33	Kinetics and Mechanism of the Hydrolysis and Rearrangement Processes within the Assembly-Disassembly-Organization-Reassembly Synthesis of Zeolites. Journal of the American Chemical Society, 2019, 141, 4453-4459.	13.7	21
34	Pillaring of layered zeolite precursors with ferrierite topology leading to unusual molecular sieves on the micro/mesoporous border. Dalton Transactions, 2018, 47, 3029-3037.	3.3	16
35	Pressure-induced chemistry for the 2D to 3D transformation of zeolites. Journal of Materials Chemistry A, 2018, 6, 5255-5259.	10.3	21
36	Insight into the modification of electrodonor properties of multiwalled carbon nanotubes via oxygen plasma: Surface functionalization versus amorphization. Carbon, 2018, 137, 425-432.	10.3	23

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37	Monitoring the assembly–disassembly–organisation–reassembly process of germanosilicate UTL through <i>in situ</i> pair distribution function analysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17011-17018.	10.3	17
38	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
39	Direct incorporation of B, Al, and Ga into medium-pore ITH zeolite: Synthesis, acidic, and catalytic properties. <i>Catalysis Today</i> , 2016, 277, 37-47.	4.4	17
40	Hydrotalcite-derived cobalt–aluminum mixed oxide catalysts for toluene combustion. <i>Applied Surface Science</i> , 2016, 362, 297-303.	6.1	30
41	The effect of UTL layer connectivity in isorecticular zeolites on the catalytic performance in toluene alkylation. <i>Catalysis Today</i> , 2016, 277, 55-60.	4.4	16
42	Synthesis of “unfeasible” zeolites. <i>Nature Chemistry</i> , 2016, 8, 58-62.	13.6	186
43	Ru complexes of Hoveyda–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
44	The ADOR mechanism for the synthesis of new zeolites. <i>Chemical Society Reviews</i> , 2015, 44, 7177-7206.	38.1	275
45	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
46	Atomic Force Microscopy of Novel Zeolitic Materials Prepared by Top–Down Synthesis and ADOR Mechanism. <i>Chemistry - A European Journal</i> , 2014, 20, 10446-10450.	3.3	9
47	Intercalation chemistry of layered zeolite precursor IPC-1P. <i>Catalysis Today</i> , 2014, 227, 37-44.	4.4	29
48	Swelling and pillaring of the layered precursor IPC-1P: tiny details determine everything. <i>Dalton Transactions</i> , 2014, 43, 10548.	3.3	23
49	Hierarchical Hybrid Organic–Inorganic Materials with Tunable Textural Properties Obtained Using Zeolitic-Layered Precursor. <i>Journal of the American Chemical Society</i> , 2014, 136, 2511-2519.	13.7	74