Mariya Shamzhy

List of Publications by Citations

65 papers	1,742 citations	21 h-index	40 g-index
72 ext. papers	2,154 ext. citations	9 avg, IF	5.13 L-index

#	Paper	IF	Citations
65	The ADOR mechanism for the synthesis of new zeolites. *Chemical Society Reviews*, **2015**, 44, 7177-206	58.5	213
64	New trends in tailoring active sites in zeolite-based catalysts. *Chemical Society Reviews*, **2019**, 48, 1095-1149	58.5	192
63	Postsynthesis transformation of three-dimensional framework into a lamellar zeolite with modifiable architecture. *Journal of the American Chemical Society*, **2011**, 133, 6130-3	16.4	180
62	Comparison of the catalytic activity of MOFs and zeolites in Knoevenagel condensation. *Catalysis Science and Technology*, **2013**, 3, 500-507	5.5	155
61	Solid Acid Catalysts for Coumarin Synthesis by the Pechmann Reaction: MOFs versus Zeolites. *ChemCatChem*, **2013**, 5, 1024-1031	5.2	76
60	Hierarchical hybrid organic-inorganic materials with tunable textural properties obtained using zeolitic-layered precursor. *Journal of the American Chemical Society*, **2014**, 136, 2511-9	16.4	68
59	Mesoporous MFI Zeolite Nanosponge as a High-Performance Catalyst in the Pechmann Condensation Reaction. *ACS Catalysis*, **2015**, 5, 2596-2604	13.1	64
58	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPC-12 from Zeolite UOV. *Angewandte Chemie - International Edition*, **2017**, 56, 4324-4327	16.4	56
57	Germanosilicate Precursors of ADORable Zeolites Obtained by Disassembly of ITH, ITR, and IWR Zeolites. *Chemistry of Materials*, **2014**, 26, 5789-5798	9.6	51
56	Synthesis of isomorphously substituted extra-large pore UTL zeolites. *Journal of Materials Chemistry*, **2012**, 22, 15793		51
55	Isomorphous Introduction of Boron in Germanosilicate Zeolites with UTL Topology. *Chemistry of Materials*, **2011**, 23, 2573-2585	9.6	29
54	The effect of substrate size in the Beckmann rearrangement: MOFs vs. zeolites. *Catalysis Today*, **2013**, 204, 94-100	5.3	28
53	Post-Synthesis Stabilization of Germanosilicate Zeolites ITH, IWW, and UTL by Substitution of Ge for Al. *Chemistry - A European Journal*, **2016**, 22, 17377-17386	4.8	24
52	Zeolite-derived hybrid materials with adjustable organic pillars. *Chemical Science*, **2016**, 7, 3589-3601	9.4	24
51	Catalytic cracking of vacuum gasoil over -SVR, ITH, and MFI zeolites as FCC catalyst additives. *Fuel Processing Technology*, **2017**, 161, 23-32	7.2	23
50	The crucial role of clay binders in the performance of ZSM-5 based materials for biomass catalytic pyrolysis. *Catalysis Science and Technology*, **2019**, 9, 789-802	5.5	23
49	Post-synthesis incorporation of Al into germanosilicate ITH zeolites: the influence of treatment conditions on the acidic properties and catalytic behavior in tetrahydropyranylation. *Catalysis Science and Technology*, **2015**, 5, 2973-2984	5.5	23

48	The effect of pore size dimensions in isoreticular zeolites on carbon dioxide adsorption heats. *Journal of CO2 Utilization*, **2018**, 24, 157-163	7.6	23
47	Highly selective synthesis of campholenic aldehyde over Ti-MWW catalysts by □pinene oxide isomerization. *Catalysis Science and Technology*, **2018**, 8, 4690-4701	5.5	23
46	Zeolite (In)Stability under Aqueous or Steaming Conditions. *Advanced Materials*, **2020**, 32, e2003264	24	22
45	Synthesis and Post-Synthesis Transformation of Germanosilicate Zeolites. *Angewandte Chemie - International Edition*, **2020**, 59, 19380-19389	16.4	21
44	Swelling and pillaring of the layered precursor IPC-1P: tiny details determine everything. *Dalton Transactions*, **2014**, 43, 10548-57	4.3	20
43	MWW and MFI Frameworks as Model Layered Zeolites: Structures, Transformations, Properties, and Activity. *ACS Catalysis*, **2021**, 11, 2366-2396	13.1	20
42	Tuning of acidic and catalytic properties of IWR zeolite by post-synthesis incorporation of three-valent elements. *Catalysis Today*, **2015**, 243, 76-84	5.3	19
41	Annulation of Phenols: Catalytic Behavior of Conventional and 2 D Zeolites. *ChemCatChem*, **2014**, 6, 1919-1927	5.2	19
40	Transformation of aromatic hydrocarbons over isomorphously substituted UTL: Comparison with large and medium pore zeolites. *Catalysis Today*, **2013**, 204, 22-29	5.3	18
39	Extra-Large-Pore Zeolites with UTL Topology: Control of the Catalytic Activity by Variation in the Nature of the Active Sites. *ChemCatChem*, **2013**, 5, 1891-1898	5.2	18
38	IR Operando study of ethanol dehydration over MFI zeolite. *Catalysis Today*, **2018**, 304, 51-57	5.3	17
37	□Pinene oxide isomerization: role of zeolite structure and acidity in the selective synthesis of campholenic aldehyde. *Catalysis Science and Technology*, **2018**, 8, 2488-2501	5.5	16
36	Vapour-phase-transport rearrangement technique for the synthesis of new zeolites. *Nature Communications*, **2019**, 10, 5129	17.4	16
35	Modification of textural and acidic properties of -SVR zeolite by desilication. *Catalysis Today*, **2014**, 227, 26-32	5.3	14
34	Consecutive interlayer disassembly□eassembly during alumination of UOV zeolites: insight into the mechanism. *Journal of Materials Chemistry A*, **2017**, 5, 22576-22587	13	12
33	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPC-12 from Zeolite UOV. *Angewandte Chemie*, **2017**, 129, 4388-4391	3.6	11
32	Isoreticular UTL-Derived Zeolites as Model Materials for Probing Pore Size□Activity Relationship. *ACS Catalysis*, **2019**, 9, 5136-5146	13.1	11
31	Direct incorporation of B, Al, and Ga into medium-pore ITH zeolite: Synthesis, acidic, and catalytic properties. *Catalysis Today*, **2016**, 277, 37-47	5.3	11

30	Quantification of Lewis acid sites in 3D and 2D TS-1 zeolites: FTIR spectroscopic study. *Catalysis Today*, **2020**, 345, 80-87	5.3	11
29	Prins cyclization in 4-methyl-2-phenyl-tetrahydro-2H-pyran-4-ol preparation using smectite clay as catalyst. *Reaction Kinetics, Mechanisms and Catalysis*, **2018**, 124, 711-725	1.6	10
28	The Effect of Synthesis Conditions and Nature of Heteroelement on Acidic Properties of Isomorphously Substituted UTL Zeolites. *Advanced Porous Materials*, **2013**, 1, 103-113		10
27	Tuning of textural properties of germanosilicate zeolites ITH and IWW by acidic leaching. *Journal of Energy Chemistry*, **2016**, 25, 318-326	12	10
26	Annulation of phenols with methylbutenol over MOFs: The role of catalyst structure and acid strength in producing 2,2-dimethylbenzopyran derivatives. *Microporous and Mesoporous Materials*, **2015**, 202, 297-302	5.3	9
25	Selective Recovery and Recycling of Germanium for the Design of Sustainable Zeolite Catalysts. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 8235-8246	8.3	8
24	The effect of the zeolite pore size on the Lewis acid strength of extra-framework cations. *Physical Chemistry Chemical Physics*, **2016**, 18, 18063-73	3.6	8
23	Catalytic performance of Metal-Organic-Frameworks vs. extra-large pore zeolite UTL in condensation reactions. *Frontiers in Chemistry*, **2013**, 1, 11	5	8
22	Insight into the ADOR zeolite-to-zeolite transformation: the UOV case. *Dalton Transactions*, **2018**, 47, 3084-3092	4.3	7
21	Total Oxidation of Toluene and Propane over Supported CoO Catalysts: Effect of Structure/Acidity of MWW Zeolite and Cobalt Loading. *ACS Applied Materials & Interfaces*, **2021**, 13, 15143-15158	9.5	6
20	Mordenite nanorods and nanosheets prepared in presence of gemini type surfactants. *Catalysis Today*, **2019**, 324, 115-122	5.3	6
19	IR Operando Study of Ethanol Dehydration over MFI Zeolites: Structure–Activity Relationships. *Journal of Physical Chemistry C*, **2018**, 122, 24055-24067	3.8	6
18	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	9.7	5
17	Solvent-free ketalization of polyols over germanosilicate zeolites: the role of the nature and strength of acid sites. *Catalysis Science and Technology*, **2020**, 10, 8254-8264	5.5	5
16	Vapor phase acylation of guaiacol with acetic acid over micro, nano and hierarchical MFI and BEA zeolites. *Applied Catalysis B: Environmental*, **2021**, 285, 119826	21.8	5
15	Synthesis and Post-Synthesis Transformation of Germanosilicate Zeolites. *Angewandte Chemie*, **2020**, 132, 19548-19557	3.6	4
14	Untangling the role of the organosilane functional groups in the synthesis of hierarchical ZSM-5 zeolite by crystallization of silanized protozeolitic units. *Catalysis Today*, **2020**, 345, 27-38	5.3	4
13	Seeded growth of isomorphously substituted chabazites in proton-form. *Microporous and Mesoporous Materials*, **2019**, 280, 331-336	5.3	4

12	Fine-tuning hierarchical ZSM-5 zeolite by controlled aggregation of protozeolitic units functionalized with tertiary amine-containing organosilane. *Microporous and Mesoporous Materials*, **2020**, 303, 110189	5.3	3
11	Fabrication of Hybrid Organic-Inorganic Materials with Tunable Porosity for Catalytic Application. *ChemPlusChem*, **2015**, 80, 599-605	2.8	3
10	High activity of Ga-containing nanosponge MTW zeolites in acylation of p-xylene. *Catalysis Today*, **2020**, 345, 110-115	5.3	3
9	Zeolites in Pechmann condensation: Impact of the framework topology and type of acid sites. *Catalysis Today*, **2020**, 345, 97-109	5.3	3
8	Novel approach towards Al-rich AFI for catalytic application. *Applied Catalysis A: General*, **2019**, 577, 62-68	5.1	2
7	Gas-phase etherification of cyclopentanol with methanol to cyclopentyl methyl ether catalyzed by zeolites. *Applied Catalysis A: General*, **2021**, 618, 118122	5.1	2
6	Imidazolium-type ionic liquid-assisted formation of the MFI zeolite loaded with metal nanoparticles for hydrogenation reactions. *Chemical Engineering Journal*, **2021**, 412, 128599	14.7	2
5	Basolites: A type of Metal Organic Frameworks highly efficient in the one-pot synthesis of quinoxalines from □hydroxy ketones under aerobic conditions. *Catalysis Today*, **2020**, 345, 258-266	5.3	2
4	MoO on zeolites MCM-22, MCM-56 and 2D-MFI as catalysts for 1-octene metathesis. *Beilstein Journal of Organic Chemistry*, **2018**, 14, 2931-2939	2.5	2
3	Identification of the most active sites for tetrahydropyranylation in zeolites: MFI as a test case. *Catalysis Today*, **2020**, 345, 165-174	5.3	1
2	Toward Controlling Disassembly Step within the ADOR Process for the Synthesis of Zeolites. *Chemistry of Materials*, **2021**, 33, 1228-1237	9.6	1
1	Adsorption and catalytic study of cyclopentyl methyl ether formation: structure-activity interplay in medium-pore zeolites. *Applied Materials Today*, **2022**, 28, 101505	6.6	