

# Svetlana Mintova

## List of Publications by Year in descending order

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314  
papers

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321  
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321  
docs citations

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times ranked

9500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of HKUST-1/PEI mixed-matrix membranes: Adsorption-diffusion coupling control of small gas molecules. <i>Journal of Membrane Science</i> , 2022, 643, 120070.	4.1	23
2	The challenge of silanol species characterization in zeolites. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1125-1133.	3.0	29
3	Unraveling the Effect of Silanol Defects on the Insertion of Single-Site Mo in the MFI Zeolite Framework. <i>Inorganic Chemistry</i> , 2022, 61, 1418-1425.	1.9	14
4	Towards a comprehensive understanding of mesoporosity in zeolite Y at the single particle level. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2365-2373.	3.0	7
5	Dissolution Behavior and Varied Mesoporosity of Zeolites by NH <sub>4</sub> F Etching. <i>Chemistry - A European Journal</i> , 2022, 28, e202104339.	1.7	9
6	Passivated Surface of High Aluminum Containing ZSM-5 by Silicalite-1: Synthesis and Application in Dehydration Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4839-4848.	3.2	8
7	Alkali Metal Cations Influence the CO <sub>2</sub> Adsorption Capacity of Nanosized Chabazite: Modeling vs Experiment. <i>ACS Applied Nano Materials</i> , 2022, 5, 5578-5588.	2.4	22
8	Ordered sodium zeolite-templated carbon with high first discharge capacity for sodium battery application. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111853.	2.2	7
9	Stable EMT type zeolite/CsPbBr <sub>3</sub> perovskite quantum dot nanocomposites for highly sensitive humidity sensors. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 921-928.	5.0	13
10	Engineering RHO Nanozeolite: Controlling the Particle Morphology, Al and Cation Content, Stability, and Flexibility. <i>ACS Applied Energy Materials</i> , 2022, 5, 6032-6042.	2.5	11
11	Hydroxyl environments in zeolites probed by deuterium solid-state MAS NMR combined with IR spectroscopy. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2964-2968.	3.0	2
12	Modulation of surface chemistry by boron modification to achieve a superior VOX/Al <sub>2</sub> O <sub>3</sub> catalyst in propane dehydrogenation. <i>Catalysis Today</i> , 2022, 402, 248-258.	2.2	4
13	Access to sodalite cages in ion-exchanged nanosized FAU zeolites probed by hyperpolarized <sup>129</sup> Xe NMR and DFT calculations. <i>Microporous and Mesoporous Materials</i> , 2022, 338, 111965.	2.2	5
14	Efficient hydrodesulfurization of dibenzothiophene over core-shell Ni/Al <sub>2</sub> O <sub>3</sub> @SOD and Mo/Al <sub>2</sub> O <sub>3</sub> composite catalysts. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3384-3391.	3.0	1
15	Elucidation of the reaction mechanism of indirect oxidative carbonylation of methanol to dimethyl carbonate on Pd/NaY catalyst: Direct identification of reaction intermediates. <i>Journal of Catalysis</i> , 2022, 412, 30-41.	3.1	16
16	Scalable solvent-free synthesis of aggregated nanosized single-phase cancrinite zeolite. <i>Materials Today Communications</i> , 2022, 32, 103879.	0.9	1
17	Advanced scanning electron microscopy techniques for structural characterization of zeolites. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4225-4231.	3.0	6
18	Highly active Pd containing EMT zeolite catalyst for indirect oxidative carbonylation of methanol to dimethyl carbonate. <i>Journal of Energy Chemistry</i> , 2021, 52, 191-201.	7.1	21

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19	Transformation of Discrete Amorphous Aluminosilicate Nanoparticles into Nanosized Zeolites. <i>Advanced Materials Interfaces</i> , 2021, 8, 2000634.	1.9	6
20	Ruthenium tris(2,2'-bipyridyl) complex encapsulated in nanosized faujasite zeolite as intracellular localization tracer. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 919-927.	5.0	9
21	Scalable crystalline porous membranes: current state and perspectives. <i>Chemical Society Reviews</i> , 2021, 50, 1913-1944.	18.7	47
22	Room-Temperature Synthesis of BPH Zeolite Nanosheets Free of Organic Template with Enhanced Stability for Gas Separations. <i>ACS Applied Nano Materials</i> , 2021, 4, 24-28.	2.4	9
23	Reversing Titanium Oligomer Formation towards High Efficiency and Green Synthesis of Titanium-Containing Molecular Sieves. <i>Angewandte Chemie</i> , 2021, 133, 3485-3490.	1.6	2
24	Reversing Titanium Oligomer Formation towards High Efficiency and Green Synthesis of Titanium-Containing Molecular Sieves. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3443-3448.	7.2	58
25	Facile and fast determination of Si/Al ratio of zeolites using FTIR spectroscopy technique. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110683.	2.2	47
26	Silanol defect engineering and healing in zeolites: opportunities to fine-tune their properties and performances. <i>Chemical Society Reviews</i> , 2021, 50, 11156-11179.	18.7	100
27	The inner heterogeneity of ZSM-5 zeolite crystals. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4203-4212.	5.2	21
28	Crystallization pathway from a highly viscous colloidal suspension to ultra-small FAU zeolite nanocrystals. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17492-17501.	5.2	15
29	Control the position of framework defects in zeolites by changing the symmetry of organic structure directing agents. <i>Microporous and Mesoporous Materials</i> , 2021, 315, 110899.	2.2	12
30	Mesostructured cellular foam silica supported Au-Pt nanoalloy: Enrichment of d-state electrons for promoting the catalytic synergy. <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110982.	2.2	9
31	Effects of Synthesis Parameters on the Crystallization Profile and Morphological Properties of SAPO-5 Templated by 1-Benzyl-2,3-Dimethylimidazolium Hydroxide. <i>Crystals</i> , 2021, 11, 279.	1.0	1
32	Spray-dispersion of ultra-small EMT zeolite crystals in thin-film composite membrane for high-permeability nanofiltration process. <i>Journal of Membrane Science</i> , 2021, 622, 119045.	4.1	27
33	Offretite Zeolite Single Crystals Synthesized by Amphiphile-Templating Approach. <i>Molecules</i> , 2021, 26, 2238.	1.7	0
34	Mechanical pressure-mediated Pd active sites formation in NaY zeolite catalysts for indirect oxidative carbonylation of methanol to dimethyl carbonate. <i>Journal of Catalysis</i> , 2021, 396, 269-280.	3.1	16
35	Thin Functional Zeolite Layer Supported on Infrared Resonant Nano-Antennas for the Detection of Benzene Traces. <i>Advanced Functional Materials</i> , 2021, 31, 2101623.	7.8	10
36	Highly stable Ni <sub>2</sub> ZnO <sub>3</sub> adsorbent promoted by TiO <sub>2</sub> for reactive adsorption desulfurization. <i>EcoMat</i> , 2021, 3, e12114.	6.8	11

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37	Design of an intercalated Nano-MoS <sub>2</sub> hydrophobic catalyst with high rim sites to improve the hydrogenation selectivity in hydrodesulfurization reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119907.	10.8	37
38	Understanding the Fundamentals of Microporosity Upgrading in Zeolites: Increasing Diffusion and Catalytic Performances. <i>Advanced Science</i> , 2021, 8, e2100001.	5.6	23
39	Atomic-Insight into Zeolite Catalyst Forming—An Advanced NMR Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20028-20034.	1.5	4
40	Effect of Sodium Concentration on the Synthesis of Faujasite by Two-step Synthesis Procedure. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1137.	1.3	1
41	The role of mixed alkali metal cations on the formation of nanosized CHA zeolite from colloidal precursor suspension. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 350-357.	5.0	13
42	Preparation of core-shell-like zeolites by diffusion controlled chemical etching. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2144-2152.	3.0	15
43	Complex H-bonded silanol network in zeolites revealed by IR and NMR spectroscopy combined with DFT calculations. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27347-27352.	5.2	33
44	Compatibility between Activity and Selectivity in Catalytic Oxidation of Benzyl Alcohol with Au-Pd Nanoparticles through Redox Switching of SnO <sub>x</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49780-49792.	4.0	14
45	Unlocking the potential of hidden sites in FAUJASITE: new insights in a proton transfer mechanism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26702-26709.	7.2	17
46	Strategy towards enhanced performance of zeolite catalysts: Raising effective diffusion coefficient versus reducing diffusion length. <i>Chemical Engineering Journal</i> , 2020, 385, 123800.	6.6	20
47	Recyclable synthesis of Cs-ABW zeolite nanocrystals from non-reacted mother liquors with excellent catalytic henry reaction performance. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103579.	3.3	7
48	Crystallization profile and morphological study of SAPO-5 templated by imidazolium cations of different functional groups. <i>Microporous and Mesoporous Materials</i> , 2020, 308, 110514.	2.2	6
49	Hot-Electron Photodynamics in Silver-Containing BEA-Type Nanozeolite Studied by Femtosecond Transient Absorption Spectroscopy. <i>ChemPhysChem</i> , 2020, 21, 2634-2643.	1.0	2
50	Emphasis on the Properties of Metal-Containing Zeolites Operating Outside the Comfort Zone of Current Heterogeneous Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19414-19432.	7.2	21
51	Novel Strategy for the Synthesis of Ultra-Stable Single-Site Mo-ZSM-5 Zeolite Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19553-19560.	7.2	61
52	Novel Strategy for the Synthesis of Ultra-Stable Single-Site Mo-ZSM-5 Zeolite Nanocrystals. <i>Angewandte Chemie</i> , 2020, 132, 19721-19728.	1.6	10
53	Interzeolite conversion of a micron-sized FAU to a nanosized CHA zeolite free of organic structure directing agent with a high CO <sub>2</sub> capacity. <i>RSC Advances</i> , 2020, 10, 42953-42959.	1.7	16
54	Perovskite-Type LaCoO <sub>3</sub> as an Efficient and Green Catalyst for Sustainable Partial Oxidation of Cyclohexane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21322-21332.	1.8	29

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55	Emphasis on the Properties of Metal-Containing Zeolites Operating Outside the Comfort Zone of Current Heterogeneous Catalytic Reactions. <i>Angewandte Chemie</i> , 2020, 132, 19582-19600.	1.6	13
56	Nanosized zeolites as a gas delivery platform in a glioblastoma model. <i>Biomaterials</i> , 2020, 257, 120249.	5.7	14
57	Synthesis of Discrete CHA Zeolite Nanocrystals without Organic Templates for Selective CO <sub>2</sub> Capture. <i>Angewandte Chemie</i> , 2020, 132, 23697-23701.	1.6	10
58	Synthesis of Discrete CHA Zeolite Nanocrystals without Organic Templates for Selective CO <sub>2</sub> Capture. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23491-23495.	7.2	61
59	Diffusion and catalyst efficiency in hierarchical zeolite catalysts. <i>National Science Review</i> , 2020, 7, 1726-1742.	4.6	104
60	Transformation of hollow ZnFe-ZIF-8 nanocrystals into hollow ZnFe-N/C electrocatalysts for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2020, 44, 21183-21191.	1.4	4
61	Unraveling the Diffusion Properties of Zeolite-Based Multicomponent Catalyst by Combined Gravimetric Analysis and IR Spectroscopy (AGIR). <i>ACS Catalysis</i> , 2020, 10, 6822-6830.	5.5	26
62	In-Situ Ellipsometric Study of the Optical Properties of LTL-Doped Thin Film Sensors for Copper(II) Ion Detection. <i>Coatings</i> , 2020, 10, 423.	1.2	7
63	Highly stable phosphine modified VO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst in propane dehydrogenation. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119089.	10.8	57
64	Highly sensitive and selective acetone sensor based on three-dimensional ordered WO <sub>3</sub> /Au nanocomposite with enhanced performance. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128405.	4.0	50
65	CO <sub>2</sub> adsorption in nanosized RHO zeolites with different chemical compositions and crystallite sizes. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110394.	2.2	10
66	Water-soluble coumarin oligomer based ultra-sensitive iron ion probe and applications. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128361.	4.0	18
67	Probing the Brønsted Acidity of the External Surface of Faujasite-Type Zeolites. <i>ChemPhysChem</i> , 2020, 21, 1873-1881.	1.0	30
68	Intra-crystalline mesoporous ZSM-5 zeolite by grinding synthesis method. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110437.	2.2	16
69	Flexible Template-Free RHO Nanosized Zeolite for Selective CO <sub>2</sub> Adsorption. <i>Chemistry of Materials</i> , 2020, 32, 5985-5993.	3.2	31
70	Zeolites in a good shape: Catalyst forming by extrusion modifies their performances. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110114.	2.2	44
71	Cross-Linking between Sodalite Nanoparticles and Graphene Oxide in Composite Membranes to Trigger High Gas Permeance, Selectivity, and Stability in Hydrogen Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6284-6288.	7.2	31
72	Defect-engineered zeolite porosity and accessibility. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3621-3631.	5.2	52

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73	Incorporation of trivalent cations in NaX zeolite nanocrystals for the adsorption of O <sub>2</sub> in the presence of CO <sub>2</sub> . Physical Chemistry Chemical Physics, 2020, 22, 9934-9942.	1.3	13
74	Cross-linking between Sodalite Nanoparticles and Graphene Oxide in Composite Membranes to Trigger High Gas Permeance, Selectivity, and Stability in Hydrogen Separation. Angewandte Chemie, 2020, 132, 6343-6347.	1.6	3
75	Morphological effects on catalytic performance of LTL zeolites in acylation of 2-methylfuran enhanced by non-microwave instant heating. Materials Chemistry and Physics, 2020, 244, 122688.	2.0	14
76	Zeolite Nanocrystals Protect the Performance of Organic Additives and Adsorb Acid Compounds during Lubricants Oxidation. Materials, 2019, 12, 2830.	1.3	5
77	Formation of PdO on Au-Pd bimetallic catalysts and the effect on benzyl alcohol oxidation. Journal of Catalysis, 2019, 375, 32-43.	3.1	60
78	Direct Evidence for Single Molybdenum Atoms Incorporated in the Framework of MFI Zeolite Nanocrystals. Journal of the American Chemical Society, 2019, 141, 8689-8693.	6.6	57
79	Hydrophobic Tungsten-Containing MFI-Type Zeolite Films for Exhaust Gas Detection. ACS Applied Materials & Interfaces, 2019, 11, 12914-12919.	4.0	16
80	Molecular interaction of fibrinogen with zeolite nanoparticles. Scientific Reports, 2019, 9, 1558.	1.6	21
81	Copper exchanged FAU nanozeolite as non-toxic nitric oxide and carbon dioxide gas carrier. Microporous and Mesoporous Materials, 2019, 280, 271-276.	2.2	7
82	Microwave-green synthesis of AlPO-n and SAPO-n (n = 5 and 18) nanosized crystals and their assembly in layers. Microporous and Mesoporous Materials, 2019, 280, 256-263.	2.2	19
83	Selective Conversion of Glucose to 5-Hydroxymethylfurfural by Using L-Type Zeolites with Different Morphologies. Catalysts, 2019, 9, 1073.	1.6	15
84	Micro- and macroscopic observations of the nucleation process and crystal growth of nanosized Cs-pollucite in an organotemplate-free hydrosol. New Journal of Chemistry, 2019, 43, 17433-17440.	1.4	9
85	Photoactive Metal-Containing Zeolitic Materials for Sensing and Light-to-Chemical Energy Conversion. , 2019, , 331-349.		0
86	Green Hydrogen Separation from Nitrogen by Mixed-Matrix Membranes Consisting of Nanosized Sodalite Crystals. ChemSusChem, 2019, 12, 4529-4537.	3.6	23
87	Fluid catalytic cracking technology: current status and recent discoveries on catalyst contamination. Catalysis Reviews - Science and Engineering, 2019, 61, 333-405.	5.7	84
88	Nanosized Cs-pollucite zeolite synthesized under mild condition and its catalytic behavior. Materials Research Express, 2019, 6, 025026.	0.8	5
89	Spontaneous galvanic deposition of nanoporous Pd on microfibrillar-structured Al-fibers for CO oxidative coupling to dimethyl oxalate. Catalysis Communications, 2019, 119, 39-41.	1.6	9
90	CO <sub>2</sub> Adsorption/Desorption in FAU Zeolite Nanocrystals: In Situ Synchrotron X-ray Powder Diffraction and in Situ Fourier Transform Infrared Spectroscopic Study. Journal of Physical Chemistry C, 2019, 123, 2361-2369.	1.5	34

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91	Beta-MCM-41 micro-mesoporous catalysts in the hydroisomerization of n-heptane: Definition of an indexed isomerization factor as a performance descriptor. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 17-28.	2.2	31
92	Synthesis of Cs-ABW nanozeolite in organotemplate-free system. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 78-83.	2.2	22
93	Effects of various alkali metal cations on the synthesis, crystallization and catalytic properties of NKX-2 aluminophosphites. <i>Materials Chemistry and Physics</i> , 2019, 222, 81-86.	2.0	3
94	$\hat{I}^3$ -Radiolysis preparation of nanometer-sized cadmium sulphide quantum dots stabilized in nanozeolite X and ZSM-5. <i>New Journal of Chemistry</i> , 2018, 42, 5465-5470.	1.4	2
95	Detection of CO <sub>2</sub> and O <sub>2</sub> by iron loaded LTL zeolite films. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 94-102.	2.3	7
96	Formation of copper nanoparticles in LTL nanosized zeolite: spectroscopic characterization. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2880-2889.	1.3	11
97	Red mud as aluminium source for the synthesis of magnetic zeolite. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 24-29.	2.2	63
98	Label-free electrochemical immunosensor based on conductive Ag contained EMT-style nano-zeolites and the application for $\hat{I}^{\pm}$ -fetoprotein detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2919-2926.	4.0	28
99	Encapsulation of fluorescein into nanozeolites L and Y. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 70-75.	2.2	3
100	LTL type nanozeolites utilized in surface photonics structures for environmental sensors. <i>Microporous and Mesoporous Materials</i> , 2018, 261, 268-274.	2.2	11
101	Synergy between a sulfur-tolerant Pt/Al <sub>2</sub> O <sub>3</sub> @sodalite core-shell catalyst and a CoMo/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Journal of Catalysis</i> , 2018, 368, 89-97.	3.1	20
102	Nanoparticle Alloy Formation by Radiolysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12573-12588.	1.5	37
103	A Facile Route toward the Increase of Oxygen Content in Nanosized Zeolite by Insertion of Cerium and Fluorinated Compounds. <i>Molecules</i> , 2018, 23, 37.	1.7	12
104	Self-processing photopolymer materials for versatile design and fabrication of holographic sensors and interactive holograms. <i>Applied Optics</i> , 2018, 57, E173.	0.9	26
105	Combined alkali dissolution and re-assembly approach toward ZSM-5 mesostructures with extended lifetime in cumene cracking. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 283-293.	5.0	10
106	Thermal resonant zeolite-based gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 179-182.	4.0	20
107	Hydrogen positions in single nanocrystals revealed by electron diffraction. <i>Science</i> , 2017, 355, 166-169.	6.0	203
108	Sodalite cages of EMT zeolite confined neutral molecular-like silver clusters. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 74-82.	2.2	32

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109	Acute Toxicity of Silver Free and Encapsulated in Nanosized Zeolite for Eukaryotic Cells. ACS Applied Materials & Interfaces, 2017, 9, 13849-13854.	4.0	14
110	Optical fiberâ€“Ta2O5 waveguide coupler covered with hydrophobic zeolite film for vapor sensing. Sensors and Actuators B: Chemical, 2017, 248, 359-366.	4.0	8
111	Selective response of pyrylium-functionalized nanozeolites in the visible spectrum towards volatile organic compounds. Sensors and Actuators B: Chemical, 2017, 249, 114-122.	4.0	5
112	K-F zeolite nanocrystals synthesized from organic-template-free precursor mixture. Microporous and Mesoporous Materials, 2017, 249, 105-110.	2.2	32
113	Application of Cu-FAU nanozeolites for decontamination of surfaces soiled with the ESKAPE pathogens. Microporous and Mesoporous Materials, 2017, 253, 233-238.	2.2	8
114	ALPO-5 nanocrystals templated by 1-ethyl-2,3-dimethylimidazolium hydroxide and their textural and water sorption properties. Materials Chemistry and Physics, 2017, 188, 49-57.	2.0	9
115	Synthesis of new cobalt aluminophosphate framework by opening a cobalt methylphosphonate layered material. CrystEngComm, 2017, 19, 5100-5105.	1.3	6
116	One-pot synthesis of silanol-free nanosized MFIâ€“zeolite. Nature Materials, 2017, 16, 1010-1015.	13.3	135
117	Synthesis of fluorescein by a ship-in-a-bottle method in different zeolites. New Journal of Chemistry, 2017, 41, 9969-9976.	1.4	6
118	Opening the Cages of Faujasite-Type Zeolite. Journal of the American Chemical Society, 2017, 139, 17273-17276.	6.6	125
119	Hot-Electron Photodynamics of Silver-Containing Nanosized Zeolite Films Revealed by Transient Absorption Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 26958-26966.	1.5	7
120	Compositional Changes for Reduction of Polymerisation-Induced Shrinkage in Holographic Photopolymers. Advances in Materials Science and Engineering, 2016, 2016, 1-11.	1.0	2
121	Hierarchical zeolites. MRS Bulletin, 2016, 41, 689-693.	1.7	42
122	Nanosized Na-EMT and Li-EMT zeolites: selective sorption of water and methanol studied by a combined IR and TG approach. Physical Chemistry Chemical Physics, 2016, 18, 30585-30594.	1.3	2
123	The Mosaic Structure of Zeolite Crystals. Angewandte Chemie - International Edition, 2016, 55, 15049-15052.	7.2	88
124	Formation of Copper Nanoparticles in LTL Nanosized Zeolite: Kinetics Study. Journal of Physical Chemistry C, 2016, 120, 26300-26308.	1.5	9
125	Zeolite Nanoparticles Inhibit Al <sup>3+</sup> â€“Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot. ACS Applied Materials & Interfaces, 2016, 8, 30768-30779.	4.0	47
126	The Mosaic Structure of Zeolite Crystals. Angewandte Chemie, 2016, 128, 15273-15276.	1.6	30



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127	Microfabricated test structures for thermal gas sensor. , 2016, , .		3
128	Iron loaded EMT nanosized zeolite with high affinity towards CO <sub>2</sub> and NO. Microporous and Mesoporous Materials, 2016, 232, 256-263.	2.2	12
129	Mechanism of zeolites crystal growth: new findings and open questions. CrystEngComm, 2016, 18, 650-664.	1.3	168
130	Nanosized zeolites: Quo Vadis?. Comptes Rendus Chimie, 2016, 19, 183-191.	0.2	86
131	Ionothermal synthesis of FeAPO-5 in the presence of phosphorous acid. CrystEngComm, 2016, 18, 257-265.	1.3	13
132	Synthesis and encapsulation of fluorescein in zeolite Y. Microporous and Mesoporous Materials, 2016, 236, 79-84.	2.2	10
133	Properties of methylene blue in the presence of zeolite nanoparticles. New Journal of Chemistry, 2016, 40, 4277-4284.	1.4	12
134	Nanosized Sn-MFI zeolite for selective detection of exhaust gases. Materials and Design, 2016, 99, 574-580.	3.3	13
135	Zeolite nanoparticles as effective antioxidant additive for the preservation of palm oil-based lubricant. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 565-571.	2.7	27
136	Photonic Materials for Holographic Sensing. Springer Series in Materials Science, 2016, , 315-359.	0.4	9
137	Chemical sensing via single input " Multi output approach. , 2015, , .		1
138	Zeolite Nanoparticles for Selective Sorption of Plasma Proteins. Scientific Reports, 2015, 5, 17259.	1.6	50
139	3D Study of the Morphology and Dynamics of Zeolite Nucleation. Chemistry - A European Journal, 2015, 21, 18316-18327.	1.7	22
140	Gas sensing using porous materials for automotive applications. Chemical Society Reviews, 2015, 44, 4290-4321.	18.7	406
141	Template-free nanosized faujasite-type zeolites. Nature Materials, 2015, 14, 447-451.	13.3	360
142	High-yield nanosized (Si)AlPO-41 using ethanol polarity equalization and co-templating synthesis approach. Nanoscale, 2015, 7, 5787-5793.	2.8	20
143	Inhibition of Palm Oil Oxidation by Zeolite Nanocrystals. Journal of Agricultural and Food Chemistry, 2015, 63, 4655-4663.	2.4	10
144	Nanosized microporous crystals: emerging applications. Chemical Society Reviews, 2015, 44, 7207-7233.	18.7	291

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145	Effects of ultrasonic irradiation on crystallization and structural properties of EMT-type zeolite nanocrystals. <i>Materials Chemistry and Physics</i> , 2015, 159, 38-45.	2.0	40
146	Control of Na-EMT Zeolite Synthesis by Organic Additives. <i>Crystal Growth and Design</i> , 2015, 15, 1898-1906.	1.4	22
147	Effect of Extra-Framework Cations of LTL Nanozeolites to Inhibit Oil Oxidation. <i>Nanoscale Research Letters</i> , 2015, 10, 956.	3.1	8
148	Structure-Directing Agent Governs the Location of Silanol Defects in Zeolites. <i>Chemistry of Materials</i> , 2015, 27, 7577-7579.	3.2	49
149	Hybrid Sensors Fabricated by Inkjet Printing and Holographic Patterning. <i>Chemistry of Materials</i> , 2015, 27, 6097-6101.	3.2	34
150	EMT-type zeolite nanocrystals synthesized from rice husk. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 204-209.	2.2	78
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