

Valentin Valtchev

List of Publications by Year in descending order

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147
papers

9,235
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43973

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#	ARTICLE	IF	CITATIONS
1	Syntheses, Crystal Structures and NBO Calculation of Two New Zn(II)/Co(II) Coordination Polymers. <i>Journal of Cluster Science</i> , 2022, 33, 1083-1091.	1.7	2
2	Chromic acid dealumination of zeolites. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111513.	2.2	8
3	Silicalite-1 formation in acidic medium: Synthesis conditions and physicochemical properties. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111537.	2.2	14
4	Acidic property of YNU-5 zeolite influenced by its unique micropore system. <i>Microporous and Mesoporous Materials</i> , 2022, 330, 111592.	2.2	3
5	Defect Sites in Zeolites: Origin and Healing. <i>Advanced Science</i> , 2022, 9, e2104414.	5.6	23
6	Gating Effects for Ion Transport in Three-Dimensional Functionalized Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
7	Ab initio mechanistic insights into the stability, diffusion and storage capacity of sl clathrate hydrate containing hydrogen. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8419-8433.	3.8	10
8	Gating Effects for Ion Transport in Three-Dimensional Functionalized Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	24
9	Three-Dimensional Triptycene-Functionalized Covalent Organic Frameworks with hea Net for Hydrogen Adsorption. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	61
10	Hydrothermal crystallization of clathrasils in acidic medium: Energetic aspects. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111728.	2.2	10
11	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
12	Dissolution Behavior and Varied Mesoporosity of Zeolites by NH ₄ F Etching. <i>Chemistry - A European Journal</i> , 2022, 28, e202104339.	1.7	9
13	Design and Synthesis of a Zeolitic Organic Framework**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
14	Size-Dependent Photocatalytic Activity of Silver Nanoparticles Embedded in ZX-Bi Zeolite Supports. <i>ACS Applied Nano Materials</i> , 2022, 5, 3866-3877.	2.4	6
15	Revealing Zeolites Active Sites Role as Kinetic Hydrate Promoters: Combined Computational and Experimental Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8002-8010.	3.2	7
16	Acidic medium synthesis of zeolites – an avenue to control the structure-directing power of organic templates. <i>Dalton Transactions</i> , 2022, 51, 11499-11506.	1.6	8
17	Zeolitic ice: A route toward net zero emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112768.	8.2	8
18	Comparative Study of Zeolite L Etching with Ammonium Fluoride and Ammonium Bifluoride Solutions. <i>Advanced Materials Interfaces</i> , 2021, 8, 2000348.	1.9	9

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19	Cu- and Fe-speciation in a composite zeolite catalyst for selective catalytic reduction of NO _x : insights from <i>in operando</i> XAS. <i>Catalysis Science and Technology</i> , 2021, 11, 846-860.	2.1	8
20	A highly selective FER-based catalyst to produce n-butenes from isobutanol. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119699.	10.8	11
21	Silver quasi-nanoparticles: bridging the gap between molecule-like clusters and plasmonic nanoparticles. <i>Materials Advances</i> , 2021, 2, 5453-5464.	2.6	1
22	Synthesis and application of (nano) zeolites. , 2021, , .		2
23	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
24	Hierarchical SAPO-34 Preparation Based on the Crystal Metastability in Mother Liquor Solution. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002029.	1.9	7
25	Platelike MFI Crystals with Controlled Crystal Faces Aspect Ratio. <i>Journal of the American Chemical Society</i> , 2021, 143, 1993-2004.	6.6	93
26	Preparation of hierarchical SSZ-13 by NH ₄ F etching. <i>Microporous and Mesoporous Materials</i> , 2021, 314, 110863.	2.2	10
27	3D Thioether-Based Covalent Organic Frameworks for Selective and Efficient Mercury Removal. <i>Small</i> , 2021, 17, e2006112.	5.2	34
28	Three-Dimensional Triptycene-Based Covalent Organic Frameworks with <i>ceq</i> or <i>acs</i> Topology. <i>Journal of the American Chemical Society</i> , 2021, 143, 2654-2659.	6.6	94
29	Time-resolved dissolution elucidates the mechanism of zeolite MFI crystallization. <i>Science Advances</i> , 2021, 7, .	4.7	30
30	Understanding the Fundamentals of Microporosity Upgrading in Zeolites: Increasing Diffusion and Catalytic Performances. <i>Advanced Science</i> , 2021, 8, e2100001.	5.6	23
31	Embryonic zeolites for highly efficient synthesis of dimethyl ether from syngas. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111138.	2.2	9
32	Atomic-Insight into Zeolite Catalyst Forming—an Advanced NMR Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20028-20034.	1.5	4
33	Three-Dimensional Radical Covalent Organic Frameworks as Highly Efficient and Stable Catalysts for Selective Oxidation of Alcohols. <i>Angewandte Chemie</i> , 2021, 133, 22404-22409.	1.6	12
34	Three-Dimensional Radical Covalent Organic Frameworks as Highly Efficient and Stable Catalysts for Selective Oxidation of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22230-22235.	7.2	37
35	3D Hydrazone-Functionalized Covalent Organic Frameworks as pH-Triggered Rotary Switches. <i>Small</i> , 2021, 17, e2102630.	5.2	32
36	Tetrathiafulvalene-based covalent organic frameworks for ultrahigh iodine capture. <i>Chemical Science</i> , 2021, 12, 8452-8457.	3.7	87

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37	Synthesis and catalytic application of nanorod-like FER-type zeolites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24922-24931.	5.2	15
38	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
39	Biominalization at the Molecular Level: Amino Acid-Assisted Crystallization of Zeotype $\text{AlPO}_4 \cdot 1.5\text{H}_2\text{O} \cdot \text{H}_3\text{O}^+$. <i>Crystal Growth and Design</i> , 2021, 21, 7298-7305.	1.4	4
40	Assessment of metal sintering in the copper-zeolite hybrid catalyst for direct dimethyl ether synthesis using synchrotron-based X-ray absorption and diffraction. <i>Catalysis Today</i> , 2020, 343, 199-205.	2.2	4
41	Syntheses, Crystal Structures and Theoretical Calculations of Two Nickel, Zinc Coordination Polymers with 4-Nitrophthalic Acid and Bis(imidazol) Ligands. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 477-485.	1.9	1
42	Syntheses, Crystal Structures and NBO Calculation of Two New Zinc(II) Coordination Polymers. <i>Journal of Chemical Crystallography</i> , 2020, 50, 155-163.	0.5	4
43	Organic template-free synthesis of an open framework silicoaluminophosphate (SAPO) with high thermal stability and high ionic conductivity. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 542-553.	3.0	9
44	Magnetic Fe@Y Composites as Efficient Recoverable Catalysts for the Valorization of the Recalcitrant Marine Sulfated Polysaccharide Ulvan. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 319-328.	3.2	6
45	Analysis and control of acid sites in zeolites. <i>Applied Catalysis A: General</i> , 2020, 606, 117795.	2.2	81
46	Three-Dimensional Large-Pore Covalent Organic Framework with <i>stp</i> Topology. <i>Journal of the American Chemical Society</i> , 2020, 142, 13334-13338.	6.6	149
47	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
48	Two-Dimensional COF/Three-Dimensional MOF Dual-Layer Membranes with Unprecedentedly High H_2/CO_2 Selectivity and Ultrahigh Gas Permeabilities. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52899-52907.	4.0	59
49	Environmentally benign synthesis of crystalline nanosized molecular sieves. <i>Green Energy and Environment</i> , 2020, 5, 394-404.	4.7	14
50	Busting the efficiency of SAPO-34 catalysts for the methanol-to-olefin conversion by post-synthesis methods. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2022-2027.	1.7	18
51	Three-Dimensional Chemically Stable Covalent Organic Frameworks through Hydrophobic Engineering. <i>Angewandte Chemie</i> , 2020, 132, 19801-19806.	1.6	13
52	Expanding the Synthesis Field of High-Silica Zeolites. <i>Angewandte Chemie</i> , 2020, 132, 19744-19749.	1.6	1
53	Expanding the Synthesis Field of High-Silica Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19576-19581.	7.2	18
54	Probing the Brønsted Acidity of the External Surface of Faujasite-Type Zeolites. <i>ChemPhysChem</i> , 2020, 21, 1873-1881.	1.0	30

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55	A sponge-like small pore zeolite with great accessibility to its micropores. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2154-2159.	3.0	12
56	Electroactive Covalent Organic Frameworks: Design, Synthesis, and Applications. <i>Advanced Materials</i> , 2020, 32, e2002038.	11.1	148
57	Crystalline, porous, covalent polyoxometalate-organic frameworks for lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110105.	2.2	28
58	Zeolites in a good shape: Catalyst forming by extrusion modifies their performances. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110114.	2.2	44
59	Three-Dimensional Mesoporous Covalent Organic Frameworks through Steric Hindrance Engineering. <i>Journal of the American Chemical Society</i> , 2020, 142, 3736-3741.	6.6	113
60	Exfoliated Mesoporous 2D Covalent Organic Frameworks for High-Rate Electrochemical Double-Layer Capacitors. <i>Advanced Materials</i> , 2020, 32, e1907289.	11.1	136
61	New synthesis routes and catalytic applications of ferrierite crystals. Part 1: 1,8-Diaminooctane as a new OSDA. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 109987.	2.2	8
62	Core-Shell Metal Zeolite Composite Catalysts for In Situ Processing of Fischer-Tropsch Hydrocarbons to Gasoline Type Fuels. <i>ACS Catalysis</i> , 2020, 10, 2544-2555.	5.5	34
63	Defect-engineered zeolite porosity and accessibility. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3621-3631.	5.2	52
64	New synthesis routes and catalytic applications of ferrierite crystals. Part 2: The effect of OSDA type on zeolite properties and catalysis. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 109988.	2.2	7
65	Synthesis of Embryonic Zeolites with Controlled Physicochemical Properties. <i>Chemistry of Materials</i> , 2020, 32, 2123-2132.	3.2	20
66	Binder-free preparation of ZSM-5@silica beads and their use for organic pollutant removal. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2080-2088.	3.0	8
67	Three-Dimensional Chemically Stable Covalent Organic Frameworks through Hydrophobic Engineering. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19633-19638.	7.2	49
68	Three-Dimensional Tetrathiafulvalene-Based Covalent Organic Frameworks for Tunable Electrical Conductivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 13324-13329.	6.6	146
69	Carbon beads with a well-defined pore structure derived from ion-exchange resin beads. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18285-18294.	5.2	16
70	Impact of the Zn source on the RSN-type zeolite formation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2279-2290.	3.0	5
71	Versatile Roles of Metal Species in Carbon Nanotube Templates for the Synthesis of Metal-Zeolite Nanocomposite Catalysts. <i>ACS Applied Nano Materials</i> , 2019, 2, 4507-4517.	2.4	9
72	Synthesis of zeolite SSZ-24 using a catalytic amount of SSZ-13 seeds. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3097-3103.	3.0	12

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73	Three-dimensional Salphen-based Covalent Organic Frameworks as Catalytic Antioxidants. <i>Journal of the American Chemical Society</i> , 2019, 141, 2920-2924.	6.6	193
74	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4192-4196.	2.1	6
75	Preparation of Single-Crystal "House-of-Cards"-like ZSM-5 and Their Performance in Ethanol-to-Hydrocarbon Conversion. <i>Chemistry of Materials</i> , 2019, 31, 4639-4648.	3.2	45
76	One-pot cascade syntheses of microporous and mesoporous pyrazine-linked covalent organic frameworks as Lewis-acid catalysts. <i>Dalton Transactions</i> , 2019, 48, 7352-7357.	1.6	26
77	Chemically stable polyarylether-based covalent organic frameworks. <i>Nature Chemistry</i> , 2019, 11, 587-594.	6.6	509
78	Hydrothermal synthesis and crystal structure of three-dimensional supramolecular zinc, manganese coordination polymers. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 44-50.	0.9	2
79	Selective catalytic reduction of NO _x over Cu- and Fe-exchanged zeolites and their mechanical mixture. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 419-428.	10.8	61
80	Copper exchanged FAU nanozeolite as non-toxic nitric oxide and carbon dioxide gas carrier. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 271-276.	2.2	7
81	Fast and efficient synthesis of SSZ-13 by interzeolite conversion of Zeolite Beta and Zeolite L. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 306-314.	2.2	44
82	Fluoride etching opens the structure and strengthens the active sites of the layered ZSM-5 zeolite. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 297-305.	2.2	17
83	Aligned High Density Semi-Conductive Ultra-Small Single-Walled Carbon Nanotubes. <i>ChemistrySelect</i> , 2019, 4, 12676-12679.	0.7	0
84	Ambient aqueous-phase synthesis of covalent organic frameworks for degradation of organic pollutants. <i>Chemical Science</i> , 2019, 10, 10815-10820.	3.7	65
85	Catalytic application of ferrierite nanocrystals in vapour-phase dehydration of methanol to dimethyl ether. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 273-282.	10.8	65
86	Postsynthetic Functionalization of Three-Dimensional Covalent Organic Frameworks for Selective Extraction of Lanthanide Ions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6042-6048.	7.2	255
87	Fast, Ambient Temperature and Pressure Ionothermal Synthesis of Three-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 4494-4498.	6.6	283
88	MOF-cation exchange resin composites and their use for water decontamination. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2784-2791.	3.0	15
89	Frontispiece: Tuning Zeolite Properties for a Highly Efficient Synthesis of Propylene from Methanol. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
90	Supported Embryonic Zeolites and their Use to Process Bulky Molecules. <i>ACS Catalysis</i> , 2018, 8, 8199-8212.	5.5	37

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91	Tuning Zeolite Properties for a Highly Efficient Synthesis of Propylene from Methanol. Chemistry - A European Journal, 2018, 24, 13136-13149.	1.7	35
92	Uniform Generation of Sub-nanometer Silver Clusters in Zeolite Cages Exhibiting High Photocatalytic Activity under Visible Light. ACS Applied Materials & Interfaces, 2018, 10, 28702-28708.	4.0	29
93	A 3D Organically Synthesized Porous Carbon Material for Lithium-Ion Batteries (Angew. Chem. Int. Ed. Engl.)	1.6	10
94	A 3D Organically Synthesized Porous Carbon Material for Lithium-Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 11952-11956.	7.2	75
95	A 3D Organically Synthesized Porous Carbon Material for Lithium-Ion Batteries. Angewandte Chemie, 2018, 130, 12128-12132.	1.6	5
96	High-Visible-Light Photoactivity of Plasma-Promoted Vanadium Clusters on Nanozeolites for Partial Photooxidation of Methanol. ACS Applied Materials & Interfaces, 2017, 9, 17846-17855.	4.0	20
97	Opening the Cages of Faujasite-Type Zeolite. Journal of the American Chemical Society, 2017, 139, 17273-17276.	6.6	125
98	Three-Dimensional Ionic Covalent Organic Frameworks for Rapid, Reversible, and Selective Ion Exchange. Journal of the American Chemical Society, 2017, 139, 17771-17774.	6.6	211
99	Fabrication of COF-MOF Composite Membranes and Their Highly Selective Separation of H ₂ /CO ₂ . Journal of the American Chemical Society, 2016, 138, 7673-7680.	6.6	452
100	Nanosized inorganic porous materials: fabrication, modification and application. Journal of Materials Chemistry A, 2016, 4, 16756-16770.	5.2	43
101	A top-down approach to hierarchical SAPO-34 zeolites with improved selectivity of olefin. Microporous and Mesoporous Materials, 2016, 234, 401-408.	2.2	86
102	ZIF-derived in situ nitrogen decorated porous carbons for CO ₂ capture. Inorganic Chemistry Frontiers, 2016, 3, 1112-1118.	3.0	51
103	Hierarchical zeolites. MRS Bulletin, 2016, 41, 689-693.	1.7	42
104	The Mosaic Structure of Zeolite Crystals. Angewandte Chemie - International Edition, 2016, 55, 15049-15052.	7.2	88
105	Three-Dimensional Covalent Organic Frameworks with Dual Linkages for Bifunctional Cascade Catalysis. Journal of the American Chemical Society, 2016, 138, 14783-14788.	6.6	260
106	The Mosaic Structure of Zeolite Crystals. Angewandte Chemie, 2016, 128, 15273-15276.	1.6	30
107	Iron loaded EMT nanosized zeolite with high affinity towards CO ₂ and NO. Microporous and Mesoporous Materials, 2016, 232, 256-263.	2.2	12
108	The preparation of hierarchical SAPO-34 crystals via post-synthesis fluoride etching. Chemical Communications, 2016, 52, 3512-3515.	2.2	80

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109	Nanosized zeolites: Quo Vadis?. <i>Comptes Rendus Chimie</i> , 2016, 19, 183-191.	0.2	86
110	Embryonic ZSM-5 zeolites: zeolitic materials with superior catalytic activity in 1,3,5-triisopropylbenzene dealkylation. <i>New Journal of Chemistry</i> , 2016, 40, 4307-4313.	1.4	24
111	3D Study of the Morphology and Dynamics of Zeolite Nucleation. <i>Chemistry - A European Journal</i> , 2015, 21, 18316-18327.	1.7	22
112	On the remarkable resistance to coke formation of nanometer-sized and hierarchical MFI zeolites during ethanol to hydrocarbons transformation. <i>Journal of Catalysis</i> , 2015, 328, 165-172.	3.1	76
113	Template-free nanosized faujasite-type zeolites. <i>Nature Materials</i> , 2015, 14, 447-451.	13.3	360
114	Mesoporous zeolites by fluoride etching. <i>Current Opinion in Chemical Engineering</i> , 2015, 8, 1-6.	3.8	69
115	Nanosized microporous crystals: emerging applications. <i>Chemical Society Reviews</i> , 2015, 44, 7207-7233.	18.7	291
116	Formation mechanism of three-membered ring containing microporous zincosilicate RUB-17. <i>CrystEngComm</i> , 2015, 17, 7063-7069.	1.3	3
117	In situ and post-synthesis control of physicochemical properties of FER-type crystals. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 334-342.	2.2	49
118	Comparative Study of Nano-ZSM-5 Catalysts Synthesized in OH ⁻ and F ⁻ Media. <i>Advanced Functional Materials</i> , 2014, 24, 257-264.	7.8	98
119	Ultra-fast framework stabilization of Ge-rich zeolites by low-temperature plasma treatment. <i>Chemical Science</i> , 2014, 5, 68-80.	3.7	38
120	Crystal Growth Kinetics as a Tool for Controlling the Catalytic Performance of a FAU-Type Basic Catalyst. <i>ACS Catalysis</i> , 2014, 4, 2333-2341.	5.5	38
121	Advances in nanosized zeolites. <i>Nanoscale</i> , 2013, 5, 6693.	2.8	337
122	Nucleation and crystal growth of zeolite A synthesised from hydrogels of different density. <i>CrystEngComm</i> , 2013, 15, 5784.	1.3	10
123	Tailored crystalline microporous materials by post-synthesis modification. <i>Chemical Society Reviews</i> , 2013, 42, 263-290.	18.7	388
124	Porous Nanosized Particles: Preparation, Properties, and Applications. <i>Chemical Reviews</i> , 2013, 113, 6734-6760.	23.0	511
125	Framework Stability of Heteroatom-Substituted Forms of Extra-Large-Pore Ge-Silicate Molecular Sieves: The Case of ITQ-44. <i>Chemistry of Materials</i> , 2012, 24, 2509-2518.	3.2	26
126	Capturing Ultrasmall EMT Zeolite from Template-Free Systems. <i>Science</i> , 2012, 335, 70-73.	6.0	260

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127	High Energy Ion Irradiation-Induced Ordered Macropores in Zeolite Crystals. <i>Journal of the American Chemical Society</i> , 2011, 133, 18950-18956.	6.6	66
128	Crystal Size–Acid Sites Relationship Study of Nano- and Micrometer-Sized Zeolite Crystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18603-18610.	1.5	34
129	Factors That Control Zeolite Crystal Size. <i>Chemistry - A European Journal</i> , 2011, 17, 2199-2210.	1.7	38
130	Optical Encoding of Silver Zeolite Microcarriers. <i>Advanced Materials</i> , 2010, 22, 957-960.	11.1	115
131	Framework Stabilization of Ge-Rich Zeolites via Postsynthesis Aluminations. <i>Journal of the American Chemical Society</i> , 2009, 131, 16580-16586.	6.6	95
132	Al-Rich Zeolite Beta by Seeding in the Absence of Organic Template. <i>Chemistry of Materials</i> , 2009, 21, 4184-4191.	3.2	167
133	Seed-Induced Crystallization of Nanosized Na-ZSM-5 Crystals. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7084-7091.	1.8	225
134	Investigations of a Sodium–Polyacrylate-Containing System Yielding Nanosized Boehmite Particles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18384-18392.	1.5	12
135	Gel evolution in a FAU-type zeolite yielding system at 90°C. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 73-82.	2.2	43
136	Carbon spheres prepared from zeolite Beta beads. <i>Carbon</i> , 2005, 43, 2474-2480.	5.4	51
137	Carbon and SiC Macroscopic Beads from Ion-Exchange Resin Templates. <i>Journal of the American Chemical Society</i> , 2004, 126, 13624-13625.	6.6	29
138	Investigation of the Crystallization Stages of LTA-Type Zeolite by Complementary Characterization Techniques. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 4370-4377.	1.0	64
139	Hydrocracking of Heavy Vacuum Gas Oil with a Pt/H-beta–Al ₂ O ₃ Catalyst: Effect of Zeolite Crystal Size in the Nanoscale Range. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2773-2782.	1.8	82
140	Preparation of regular macroporous structures built of intergrown silicalite-1 nanocrystals. <i>Journal of Materials Chemistry</i> , 2002, 12, 1914-1918.	6.7	58
141	Silicalite-1 macrostructures – preparation and structural features. <i>Microporous and Mesoporous Materials</i> , 2000, 39, 91-101.	2.2	36
142	Amorphous very high surface area silica macrostructures. <i>Journal of Materials Chemistry</i> , 2000, 10, 2330-2337.	6.7	12
143	Tribochemical activation of seeds for rapid crystallization of zeolite Y. <i>Zeolites</i> , 1995, 15, 193-197.	0.9	39
144	Unlocking the potential of hidden sites in FAUJASITE: new insights in a proton transfer mechanism. <i>Angewandte Chemie</i> , 0, , .	1.6	4

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145	Three-Dimensional Triptycene-Functionalized Covalent Organic Frameworks with hea Net for Hydrogen Adsorption. <i>Angewandte Chemie</i> , 0, , .	1.6	12
146	Design and Synthesis of a Zeolitic Organic Framework. <i>Angewandte Chemie</i> , 0, , .	1.6	0
147	Deadlocks of adenine ribonucleotides synthesis: Evaluation of adsorption and condensation reactions into a zeolite micropore space. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	0