Valentin Valtchev

List of Publications by Year
in descending order

147 papers	9,235 citations	44069 48 h-index	42399 92 g-index
149 all docs	149 docs citations	149 times ranked	7796 citing authors

#	Article	IF	Citations
1	Porous Nanosized Particles: Preparation, Properties, and Applications. Chemical Reviews, 2013, 113, 6734-6760.	47.7	511
2	Chemically stable polyarylether-based covalent organic frameworks. Nature Chemistry, 2019, 11, 587-594.	13.6	509
3	Fabrication of COF-MOF Composite Membranes and Their Highly Selective Separation of H₂/CO₂. Journal of the American Chemical Society, 2016, 138, 7673-7680.	13.7	452
4	Tailored crystalline microporous materials by post-synthesis modification. Chemical Society Reviews, 2013, 42, 263-290.	38.1	388
5	Template-free nanosized faujasite-type zeolites. Nature Materials, 2015, 14, 447-451.	27.5	360
6	Advances in nanosized zeolites. Nanoscale, 2013, 5, 6693.	5.6	337
7	Nanosized microporous crystals: emerging applications. Chemical Society Reviews, 2015, 44, 7207-7233.	38.1	291
8	Fast, Ambient Temperature and Pressure Ionothermal Synthesis of Three-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 4494-4498.	13.7	283
9	Capturing Ultrasmall EMT Zeolite from Template-Free Systems. Science, 2012, 335, 70-73.	12.6	260
10	Three-Dimensional Covalent Organic Frameworks with Dual Linkages for Bifunctional Cascade Catalysis. Journal of the American Chemical Society, 2016, 138, 14783-14788.	13.7	260
11	Postsynthetic Functionalization of Threeâ€Dimensional Covalent Organic Frameworks for Selective Extraction of Lanthanide Ions. Angewandte Chemie - International Edition, 2018, 57, 6042-6048.	13.8	255
12	Seed-Induced Crystallization of Nanosized Na-ZSM-5 Crystals. Industrial & Engineering Chemistry Research, 2009, 48, 7084-7091.	3.7	225
13	Three-Dimensional Ionic Covalent Organic Frameworks for Rapid, Reversible, and Selective Ion Exchange. Journal of the American Chemical Society, 2017, 139, 17771-17774.	13.7	211
14	Three-dimensional Salphen-based Covalentâ€"Organic Frameworks as Catalytic Antioxidants. Journal of the American Chemical Society, 2019, 141, 2920-2924.	13.7	193
15	Al-Rich Zeolite Beta by Seeding in the Absence of Organic Template. Chemistry of Materials, 2009, 21, 4184-4191.	6.7	167
16	Three-Dimensional Large-Pore Covalent Organic Framework with stp Topology. Journal of the American Chemical Society, 2020, 142, 13334-13338.	13.7	149
17	Electroactive Covalent Organic Frameworks: Design, Synthesis, and Applications. Advanced Materials, 2020, 32, e2002038.	21.0	148
18	Three-Dimensional Tetrathiafulvalene-Based Covalent Organic Frameworks for Tunable Electrical Conductivity. Journal of the American Chemical Society, 2019, 141, 13324-13329.	13.7	146

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19	Exfoliated Mesoporous 2D Covalent Organic Frameworks for Highâ€Rate Electrochemical Doubleâ€Layer Capacitors. Advanced Materials, 2020, 32, e1907289.	21.0	136
20	Opening the Cages of Faujasite-Type Zeolite. Journal of the American Chemical Society, 2017, 139, 17273-17276.	13.7	125
21	Optical Encoding of Silver Zeolite Microcarriers. Advanced Materials, 2010, 22, 957-960.	21.0	115
22	Three-Dimensional Mesoporous Covalent Organic Frameworks through Steric Hindrance Engineering. Journal of the American Chemical Society, 2020, 142, 3736-3741.	13.7	113
23	Comparative Study of Nanoâ€ZSMâ€5 Catalysts Synthesized in OH^{âˆ’} and F^{âˆ’} Media. Advanced Functional Materials, 2014, 24, 257-264.	14.9	98
24	Framework Stabilization of Ge-Rich Zeolites via Postsynthesis Alumination. Journal of the American Chemical Society, 2009, 131, 16580-16586.	13.7	95
25	Three-Dimensional Triptycene-Based Covalent Organic Frameworks with ceq or acs Topology. Journal of the American Chemical Society, 2021, 143, 2654-2659.	13.7	94
26	Platelike MFI Crystals with Controlled Crystal Faces Aspect Ratio. Journal of the American Chemical Society, 2021, 143, 1993-2004.	13.7	93
27	The Mosaic Structure of Zeolite Crystals. Angewandte Chemie - International Edition, 2016, 55, 15049-15052.	13.8	88
28	Tetrathiafulvalene-based covalent organic frameworks for ultrahigh iodine capture. Chemical Science, 2021, 12, 8452-8457.	7.4	87
29	A top-down approach to hierarchical SAPO-34 zeolites with improved selectivity of olefin. Microporous and Mesoporous Materials, 2016, 234, 401-408.	4.4	86
30	Nanosized zeolites: Quo Vadis?. Comptes Rendus Chimie, 2016, 19, 183-191.	0.5	86
31	Hydrocracking of Heavy Vacuum Gas Oil with a Pt/H-betaâˆ’Al2O3Catalyst:Â Effect of Zeolite Crystal Size in the Nanoscale Range. Industrial & Engineering Chemistry Research, 2003, 42, 2773-2782.	3.7	82
32	Analysis and control of acid sites in zeolites. Applied Catalysis A: General, 2020, 606, 117795.	4.3	81
33	The preparation of hierarchical SAPO-34 crystals via post-synthesis fluoride etching. Chemical Communications, 2016, 52, 3512-3515.	4.1	80
34	On the remarkable resistance to coke formation of nanometer-sized and hierarchical MFI zeolites during ethanol to hydrocarbons transformation. Journal of Catalysis, 2015, 328, 165-172.	6.2	76
35	A 3D Organically Synthesized Porous Carbon Material for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 11952-11956.	13.8	75
36	Mesoporous zeolites by fluoride etching. Current Opinion in Chemical Engineering, 2015, 8, 1-6.	7.8	69

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37	High Energy Ion Irradiation-Induced Ordered Macropores in Zeolite Crystals. Journal of the American Chemical Society, 2011, 133, 18950-18956.	13.7	66
38	Ambient aqueous-phase synthesis of covalent organic frameworks for degradation of organic pollutants. Chemical Science, 2019, 10, 10815-10820.	7.4	65
39	Catalytic application of ferrierite nanocrystals in vapour-phase dehydration of methanol to dimethyl ether. Applied Catalysis B: Environmental, 2019, 243, 273-282.	20.2	65
40	Investigation of the Crystallization Stages of LTA-Type Zeolite by Complementary Characterization Techniques. European Journal of Inorganic Chemistry, 2003, 2003, 4370-4377.	2.0	64
41	Selective catalytic reduction of NOx over Cu- and Fe-exchanged zeolites and their mechanical mixture. Applied Catalysis B: Environmental, 2019, 250, 419-428.	20.2	61
42	Novel Strategy for the Synthesis of Ultraâ€Stable Singleâ€Site Moâ€ZSMâ€5 Zeolite Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 19553-19560.	13.8	61
43	Threeâ€Dimensional Triptyceneâ€Functionalized Covalent Organic Frameworks with hea Net for Hydrogen Adsorption. Angewandte Chemie - International Edition, 2022, 61, .	13.8	61
44	Two-Dimensional COFâ€“Three-Dimensional MOF Dual-Layer Membranes with Unprecedentedly High H₂/CO₂ Selectivity and Ultrahigh Gas Permeabilities. ACS Applied Materials & Interfaces, 2020, 12, 52899-52907.	8.0	59
45	Preparation of regular macroporous structures built of intergrown silicalite-1 nanocrystals. Journal of Materials Chemistry, 2002, 12, 1914-1918.	6.7	58
46	Defect-engineered zeolite porosity and accessibility. Journal of Materials Chemistry A, 2020, 8, 3621-3631.	10.3	52
47	Carbon spheres prepared from zeolite Beta beads. Carbon, 2005, 43, 2474-2480.	10.3	51
48	ZIF-derived in situ nitrogen decorated porous carbons for CO₂capture. Inorganic Chemistry Frontiers, 2016, 3, 1112-1118.	6.0	51
49	In situ and post-synthesis control of physicochemical properties of FER-type crystals. Microporous and Mesoporous Materials, 2014, 200, 334-342.	4.4	49
50	Threeâ€Dimensional Chemically Stable Covalent Organic Frameworks through Hydrophobic Engineering. Angewandte Chemie - International Edition, 2020, 59, 19633-19638.	13.8	49
51	Preparation of Single-Crystal â€œHouse-of-Cardsâ€•like ZSM-5 and Their Performance in Ethanol-to-Hydrocarbon Conversion. Chemistry of Materials, 2019, 31, 4639-4648.	6.7	45
52	Fast and efficient synthesis of SSZ-13 by interzeolite conversion of Zeolite Beta and Zeolite L. Microporous and Mesoporous Materials, 2019, 280, 306-314.	4.4	44
53	Zeolites in a good shape: Catalyst forming by extrusion modifies their performances. Microporous and Mesoporous Materials, 2020, 299, 110114.	4.4	44
54	Gel evolution in a FAU-type zeolite yielding system at 90Â°C. Microporous and Mesoporous Materials, 2007, 101, 73-82.	4.4	43

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55	Nanosized inorganic porous materials: fabrication, modification and application. Journal of Materials Chemistry A, 2016, 4, 16756-16770.	10.3	43
56	Hierarchical zeolites. MRS Bulletin, 2016, 41, 689-693.	3.5	42
57	Tribochemical activation of seeds for rapid crystallization of zeolite Y. Zeolites, 1995, 15, 193-197.	0.5	39
58	Factors That Control Zeoliteâ€…L Crystal Size. Chemistry - A European Journal, 2011, 17, 2199-2210.	3.3	38
59	Ultra-fast framework stabilization of Ge-rich zeolites by low-temperature plasma treatment. Chemical Science, 2014, 5, 68-80.	7.4	38
60	Crystal Growth Kinetics as a Tool for Controlling the Catalytic Performance of a FAU-Type Basic Catalyst. ACS Catalysis, 2014, 4, 2333-2341.	11.2	38
61	Supported Embryonic Zeolites and their Use to Process Bulky Molecules. ACS Catalysis, 2018, 8, 8199-8212.	11.2	37
62	Threeâ€Dimensional Radical Covalent Organic Frameworks as Highly Efficient and Stable Catalysts for Selective Oxidation of Alcohols. Angewandte Chemie - International Edition, 2021, 60, 22230-22235.	13.8	37
63	Silicalite-1 macrostructures â€" preparation and structural features. Microporous and Mesoporous Materials, 2000, 39, 91-101.	4.4	36
64	Tuning Zeolite Properties for a Highly Efficient Synthesis of Propylene from Methanol. Chemistry - A European Journal, 2018, 24, 13136-13149.	3.3	35
65	Crystal Sizeâ€"Acid Sites Relationship Study of Nano- and Micrometer-Sized Zeolite Crystals. Journal of Physical Chemistry C, 2011, 115, 18603-18610.	3.1	34
66	Coreâ€"Shell Metal Zeolite Composite Catalysts for In Situ Processing of Fischerâ€"Tropsch Hydrocarbons to Gasoline Type Fuels. ACS Catalysis, 2020, 10, 2544-2555.	11.2	34
67	3D Thioetherâ€Based Covalent Organic Frameworks for Selective and Efficient Mercury Removal. Small, 2021, 17, e2006112.	10.0	34
68	3D Hydrazoneâ€Functionalized Covalent Organic Frameworks as pHâ€Triggered Rotary Switches. Small, 2021, 17, e2102630.	10.0	32
69	The Mosaic Structure of Zeolite Crystals. Angewandte Chemie, 2016, 128, 15273-15276.	2.0	30
70	Probing the BrÃ¸nsted Acidity of the External Surface of Faujasiteâ€Type Zeolites. ChemPhysChem, 2020, 21, 1873-1881.	2.1	30
71	Time-resolved dissolution elucidates the mechanism of zeolite MFI crystallization. Science Advances, 2021, 7, .	10.3	30
72	Carbon and SiC Macroscopic Beads from Ion-Exchange Resin Templates. Journal of the American Chemical Society, 2004, 126, 13624-13625.	13.7	29

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73	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.	8.0	29
74	Crystalline, porous, covalent polyoxometalate-organic frameworks for lithium-ion batteries. Microporous and Mesoporous Materials, 2020, 299, 110105.	4.4	28
75	Framework Stability of Heteroatom-Substituted Forms of Extra-Large-Pore Ge-Silicate Molecular Sieves: The Case of ITQ-44. Chemistry of Materials, 2012, 24, 2509-2518.	6.7	26
76	One-pot cascade syntheses of microporous and mesoporous pyrazine-linked covalent organic frameworks as Lewis-acid catalysts. Dalton Transactions, 2019, 48, 7352-7357.	3.3	26
77	Embryonic ZSM-5 zeolites: zeolitic materials with superior catalytic activity in 1,3,5-triisopropylbenzene dealkylation. New Journal of Chemistry, 2016, 40, 4307-4313.	2.8	24
78	Gating Effects for Ion Transport in Threeâ€Dimensional Functionalized Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
79	Understanding the Fundamentals of Microporosity Upgrading in Zeolites: Increasing Diffusion and Catalytic Performances. Advanced Science, 2021, 8, e2100001.	11.2	23
80	Defect Sites in Zeolites: Origin and Healing. Advanced Science, 2022, 9, e2104414.	11.2	23
81	3D Study of the Morphology and Dynamics of Zeolite Nucleation. Chemistry - A European Journal, 2015, 21, 18316-18327.	3.3	22
82	High-Visible-Light Photoactivity of Plasma-Promoted Vanadium Clusters on Nanozeolites for Partial Photooxidation of Methanol. ACS Applied Materials & Interfaces, 2017, 9, 17846-17855.	8.0	20
83	Synthesis of Embryonic Zeolites with Controlled Physicochemical Properties. Chemistry of Materials, 2020, 32, 2123-2132.	6.7	20
84	Busting the efficiency of SAPO-34 catalysts for the methanol-to-olefin conversion by post-synthesis methods. Chinese Journal of Chemical Engineering, 2020, 28, 2022-2027.	3.5	18
85	Expanding the Synthesis Field of Highâ€Silica Zeolites. Angewandte Chemie - International Edition, 2020, 59, 19576-19581.	13.8	18
86	Fluoride etching opens the structure and strengthens the active sites of the layered ZSM-5 zeolite. Microporous and Mesoporous Materials, 2019, 280, 297-305.	4.4	17
87	Unlocking the potential of hidden sites in FAUJASITE: new insights in a proton transfer mechanism. Angewandte Chemie - International Edition, 2021, 60, 26702-26709.	13.8	17
88	Carbon beads with a well-defined pore structure derived from ion-exchange resin beads. Journal of Materials Chemistry A, 2019, 7, 18285-18294.	10.3	16
89	MOFâ€“cation exchange resin composites and their use for water decontamination. Inorganic Chemistry Frontiers, 2018, 5, 2784-2791.	6.0	15
90	Crystallization pathway from a highly viscous colloidal suspension to ultra-small FAU zeolite nanocrystals. Journal of Materials Chemistry A, 2021, 9, 17492-17501.	10.3	15

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91	Synthesis and catalytic application of nanorod-like FER-type zeolites. Journal of Materials Chemistry A, 2021, 9, 24922-24931.	10.3	15
92	Environmentally benign synthesis of crystalline nanosized molecular sieves. Green Energy and Environment, 2020, 5, 394-404.	8.7	14
93	Silicalite-1 formation in acidic medium: Synthesis conditions and physicochemical properties. Microporous and Mesoporous Materials, 2022, 329, 111537.	4.4	14
94	Design and Synthesis of a Zeolitic Organic Framework**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
95	Threeâ€Dimensional Chemically Stable Covalent Organic Frameworks through Hydrophobic Engineering. Angewandte Chemie, 2020, 132, 19801-19806.	2.0	13
96	Amorphous very high surface area silica macrostructures. Journal of Materials Chemistry, 2000, 10, 2330-2337.	6.7	12
97	Investigations of a Sodiumâ^'Polyacrylate-Containing System Yielding Nanosized Boehmite Particles. Journal of Physical Chemistry C, 2008, 112, 18384-18392.	3.1	12
98	Iron loaded EMT nanosized zeolite with high affinity towards CO 2 and NO. Microporous and Mesoporous Materials, 2016, 232, 256-263.	4.4	12
99	Synthesis of zeolite SSZ-24 using a catalytic amount of SSZ-13 seeds. Inorganic Chemistry Frontiers, 2019, 6, 3097-3103.	6.0	12
100	A sponge-like small pore zeolite with great accessibility to its micropores. Inorganic Chemistry Frontiers, 2020, 7, 2154-2159.	6.0	12
101	Threeâ€Dimensional Radical Covalent Organic Frameworks as Highly Efficient and Stable Catalysts for Selective Oxidation of Alcohols. Angewandte Chemie, 2021, 133, 22404-22409.	2.0	12
102	Threeâ€Dimensional Triptyceneâ€Functionalized Covalent Organic Frameworks with hea Net for Hydrogen Adsorption. Angewandte Chemie, 0, , .	2.0	12
103	A highly selective FER-based catalyst to produce n-butenes from isobutanol. Applied Catalysis B: Environmental, 2021, 284, 119699.	20.2	11
104	Nucleation and crystal growth of zeolite A synthesised from hydrogels of different density. CrystEngComm, 2013, 15, 5784.	2.6	10
105	Preparation of hierarchical SSZ-13 by NH4F etching. Microporous and Mesoporous Materials, 2021, 314, 110863.	4.4	10
106	Ab initio mechanistic insights into the stability, diffusion and storage capacity of sI clathrate hydrate containing hydrogen. International Journal of Hydrogen Energy, 2022, 47, 8419-8433.	7.1	10
107	Hydrothermal crystallization of clathrasils in acidic medium: Energetic aspects. Microporous and Mesoporous Materials, 2022, 333, 111728.	4.4	10
108	Versatile Roles of Metal Species in Carbon Nanotube Templates for the Synthesis of Metalâ€“Zeolite Nanocomposite Catalysts. ACS Applied Nano Materials, 2019, 2, 4507-4517.	5.0	9

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109	Organic template-free synthesis of an open framework silicoaluminophosphate (SAPO) with high thermal stability and high ionic conductivity. Inorganic Chemistry Frontiers, 2020, 7, 542-553.	6.0	9
110	Comparative Study of Zeolite L Etching with Ammonium Fluoride and Ammonium Bifluoride Solutions. Advanced Materials Interfaces, 2021, 8, 2000348.	3.7	9
111	Embryonic zeolites for highly efficient synthesis of dimethyl ether from syngas. Microporous and Mesoporous Materials, 2021, 322, 111138.	4.4	9
112	Dissolution Behavior and Varied Mesoporosity of Zeolites by NH₄F Etching. Chemistry - A European Journal, 2022, 28, e202104339.	3.3	9
113	New synthesis routes and catalytic applications of ferrierite crystals. Part 1: 1,8-Diaminooctane as a new OSDA. Microporous and Mesoporous Materials, 2020, 296, 109987.	4.4	8
114	Binder-free preparation of ZSM-5@silica beads and their use for organic pollutant removal. Inorganic Chemistry Frontiers, 2020, 7, 2080-2088.	6.0	8
115	Cu- and Fe-speciation in a composite zeolite catalyst for selective catalytic reduction of NO_x: insights from <i>operando</i> XAS. Catalysis Science and Technology, 2021, 11, 846-860.	4.1	8
116	Chromic acid dealumination of zeolites. Microporous and Mesoporous Materials, 2022, 329, 111513.	4.4	8
117	Acidic medium synthesis of zeolites â€“ an avenue to control the structure-directing power of organic templates. Dalton Transactions, 2022, 51, 11499-11506.	3.3	8
118	Zeolitic ice: A route toward net zero emissions. Renewable and Sustainable Energy Reviews, 2022, 168, 112768.	16.4	8
119	Copper exchanged FAU nanozeolite as non-toxic nitric oxide and carbon dioxide gas carrier. Microporous and Mesoporous Materials, 2019, 280, 271-276.	4.4	7
120	New synthesis routes and catalytic applications of ferrierite crystals. Part 2: The effect of OSDA type on zeolite properties and catalysis. Microporous and Mesoporous Materials, 2020, 296, 109988.	4.4	7
121	Hierarchical SAPOâ€34 Preparation Based on the Crystal Metastability in Mother Liquor Solution. Advanced Materials Interfaces, 2021, 8, 2002029.	3.7	7
122	Gating Effects for Ion Transport in Threeâ€Dimensional Functionalized Covalent Organic Frameworks. Angewandte Chemie, 2022, 134, .	2.0	7
123	Towards a comprehensive understanding of mesoporosity in zeolite Y at the single particle level. Inorganic Chemistry Frontiers, 2022, 9, 2365-2373.	6.0	7
124	Revealing Zeolites Active Sites Role as Kinetic Hydrate Promoters: Combined Computational and Experimental Study. ACS Sustainable Chemistry and Engineering, 2022, 10, 8002-8010.	6.7	7
125	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. Journal of Physical Chemistry Letters, 2019, 10, 4192-4196.	4.6	6
126	Magnetic Fe@Y Composites as Efficient Recoverable Catalysts for the Valorization of the Recalcitrant Marine Sulfated Polysaccharide Ulvan. ACS Sustainable Chemistry and Engineering, 2020, 8, 319-328.	6.7	6

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127	Size-Dependent Photocatalytic Activity of Silver Nanoparticles Embedded in ZX-Bi Zeolite Supports. ACS Applied Nano Materials, 2022, 5, 3866-3877.	5.0	6
128	A 3D Organically Synthesized Porous Carbon Material for Lithiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 12128-12132.	2.0	5
129	Impact of the Zn source on the RSN-type zeolite formation. Inorganic Chemistry Frontiers, 2019, 6, 2279-2290.	6.0	5
130	Assessment of metal sintering in the copper-zeolite hybrid catalyst for direct dimethyl ether synthesis using synchrotron-based X-ray absorption and diffraction. Catalysis Today, 2020, 343, 199-205.	4.4	4
131	Syntheses, Crystal Structures and NBO Calculation of Two New Zinc(II) Coordination Polymers. Journal of Chemical Crystallography, 2020, 50, 155-163.	1.1	4
132	Atomic-Insight into Zeolite Catalyst Formingâ€"an Advanced NMR Study. Journal of Physical Chemistry C, 2021, 125, 20028-20034.	3.1	4
133	Unlocking the potential of hidden sites in FAUJASITE: new insights in a proton transfer mechanism. Angewandte Chemie, 0, , .	2.0	4
134	Biomineralization at the Molecular Level: Amino Acid-Assisted Crystallization of Zeotype AlPO₄Â·1.5H₂Oâ€"H3. Crystal Growth and Design, 2021, 21, 7298-7305.	3.0	4
135	Formation mechanism of three-membered ring containing microporous zincosilicate RUB-17. CrystEngComm, 2015, 17, 7063-7069.	2.6	3
136	Acidic property of YNU-5 zeolite influenced by its unique micropore system. Microporous and Mesoporous Materials, 2022, 330, 111592.	4.4	3
137	Hydrothermal synthesis and crystal structure of three-dimensional supramolecular zinc, manganese coordination polymers. Inorganic and Nano-Metal Chemistry, 2019, 49, 44-50.	1.6	2
138	Synthesis and application of (nano) zeolites. , 2021, , .		2
139	Syntheses, Crystal Structures and NBO Calculation of Two New Zn(II)/Co(II) Coordination Polymers. Journal of Cluster Science, 2022, 33, 1083-1091.	3.3	2
140	Syntheses, Crystal Structures and Theoretical Calculations of Two Nickel, Zinc Coordination Polymers with 4-Nitrophthalic Acid and Bis(imidazol) Ligands. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 477-485.	3.7	1
141	Expanding the Synthesis Field of Highâ€Silica Zeolites. Angewandte Chemie, 2020, 132, 19744-19749.	2.0	1
142	Silver quasi-nanoparticles: bridging the gap between molecule-like clusters and plasmonic nanoparticles. Materials Advances, 2021, 2, 5453-5464.	5.4	1
143	Frontispiece: Tuning Zeolite Properties for a Highly Efficient Synthesis of Propylene from Methanol. Chemistry - A European Journal, 2018, 24, .	3.3	0
144	RÃ¼cktitelbild: A 3D Organically Synthesized Porous Carbon Material for Lithium-Ion Batteries (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	0

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145	Aligned High Density Semiâ€Conductive Ultraâ€Small Singleâ€Walled Carbon Nanotubes. ChemistrySelect, 2019, 4, 12676-12679.	1.5	0
146	Design and Synthesis of a Zeolitic Organic Framework. Angewandte Chemie, 0, , .	2.0	0
147	Deadlocks of adenine ribonucleotides synthesis: Evaluation of adsorption and condensation reactions into a zeolite micropore space. Inorganic Chemistry Frontiers, 0, , .	6.0	0