Yu Jihong

List of Publications by Year
in descending order

304 papers	21,324 citations	5896 81 h-index	12946 131 g-index
322 all docs	322 docs citations	322 times ranked	15599 citing authors

#	Article	IF	Citations
1	Applications of Zeolites in Sustainable Chemistry. CheM, 2017, 3, 928-949.	11.7	518
2	In Situ Confinement of Ultrasmall Pd Clusters within Nanosized Silicalite-1 Zeolite for Highly Efficient Catalysis of Hydrogen Generation. Journal of the American Chemical Society, 2016, 138, 7484-7487.	13.7	507
3	Synthesis of new zeolite structures. Chemical Society Reviews, 2015, 44, 7112-7127.	38.1	460
4	Extraâ€Largeâ€Pore Zeolites: Bridging the Gap between Micro and Mesoporous Structures. Angewandte Chemie - International Edition, 2010, 49, 3120-3145.	13.8	453
5	New Stories of Zeolite Structures: Their Descriptions, Determinations, Predictions, and Evaluations. Chemical Reviews, 2014, 114, 7268-7316.	47.7	449
6	Zeolite-coated mesh film for efficient oilâ€"water separation. Chemical Science, 2013, 4, 591-595.	7.4	377
7	Synthesis and Structure Determination of the Hierarchical Meso-Microporous Zeolite ITQ-43. Science, 2011, 333, 1131-1134.	12.6	353
8	Rich Structure Chemistry in the Aluminophosphate Family. Accounts of Chemical Research, 2003, 36, 481-490.	15.6	336
9	Recent advances in zeolite chemistry and catalysis. Chemical Society Reviews, 2015, 44, 7022-7024.	38.1	333
10	A highly stable and flexible zeolite electrolyte solid-state Liâ€"air battery. Nature, 2021, 592, 551-557.	27.8	306
11	Insight into the construction of open-framework aluminophosphates. Chemical Society Reviews, 2006, 35, 593.	38.1	304
12	Accelerated crystallization of zeolites via hydroxyl free radicals. Science, 2016, 351, 1188-1191.	12.6	297
13	Carbon dots in zeolites: A new class of thermally activated delayed fluorescence materials with ultralong lifetimes. Science Advances, 2017, 3, e1603171.	10.3	286
14	Zeoliteâ€Encaged Singleâ€Atom Rhodium Catalysts: Highlyâ€Efficient Hydrogen Generation and Shapeâ€Selective Tandem Hydrogenation of Nitroarenes. Angewandte Chemie - International Edition, 2019, 58, 18570-18576.	13.8	281
15	Solvatochromic AIE luminogens as supersensitive water detectors in organic solvents and highly efficient cyanide chemosensors in water. Chemical Science, 2014, 5, 2710.	7.4	274
16	Singleâ€Atom Iron Catalysts on Overhangâ€Eave Carbon Cages for Highâ€Performance Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2020, 59, 7384-7389.	13.8	264
17	Ultrasmall Metal Nanoparticles Confined within Crystalline Nanoporous Materials: A Fascinating Class of Nanocatalysts. Advanced Materials, 2019, 31, e1803966.	21.0	260
18	Needs and trends in rational synthesis of zeolitic materials. Chemical Society Reviews, 2012, 41, 1729-1741.	38.1	239

#	Article	IF	Citations
19	Nanoporeâ€Supported Metal Nanocatalysts for Efficient Hydrogen Generation from Liquidâ€Phase Chemical Hydrogen Storage Materials. Advanced Materials, 2020, 32, e2001818.	21.0	226
20	Nanosize-Enhanced Lifetime of SAPO-34 Catalysts in Methanol-to-Olefin Reactions. Journal of Physical Chemistry C, 2013, 117, 8214-8222.	3.1	224
21	Luminescence antiâ€counterfeiting: From elementary to advanced. Aggregate, 2021, 2, 20-34.	9.9	224
22	Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19450-19459.	13.8	221
23	Near-infrared light-responsive supramolecular nanovalve based on mesoporous silica-coated gold nanorods. Chemical Science, 2014, 5, 2804.	7.4	219
24	Supersensitive detection of explosives by recyclable AIE luminogen-functionalized mesoporous materials. Chemical Communications, 2012, 48, 7167.	4.1	214
25	Subnanometric Hybrid Pd-M(OH)2, MÂ= Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. CheM, 2017, 3, 477-493.	11.7	212
26	Emerging applications of zeolites in catalysis, separation and hostâ€“guest assembly. Nature Reviews Materials, 2021, 6, 1156-1174.	48.7	209
27	Rational Approaches toward the Design and Synthesis of Zeolitic Inorganic Open-Framework Materials. Accounts of Chemical Research, 2010, 43, 1195-1204.	15.6	208
28	A Hollow Porous CdS Photocatalyst. Advanced Materials, 2018, 30, e1804368.	21.0	204
29	Organosilane surfactant-directed synthesis of hierarchical porous SAPO-34 catalysts with excellent MTO performance. Chemical Communications, 2014, 50, 6502.	4.1	179
30	Zeoliteâ€Encaged Pdâ€“Mn Nanocatalysts for CO₂ Hydrogenation and Formic Acid Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 20183-20191.	13.8	175
31	The Synthesis of an Extraâ€Largeâ€Pore Zeolite with Double Threeâ€Ring Building Units and a Low Framework Density. Angewandte Chemie - International Edition, 2010, 49, 4986-4988.	13.8	171
32	State of the Art and Perspectives of Hierarchical Zeolites: Practical Overview of Synthesis Methods and Use in Catalysis. Advanced Materials, 2020, 32, e2004690.	21.0	168
33	Applications of Zeolites to C1 Chemistry: Recent Advances, Challenges, and Opportunities. Advanced Materials, 2020, 32, e2002927.	21.0	165
34	The state-of-the-art synthetic strategies for SAPO-34 zeolite catalysts in methanol-to-olefin conversion. National Science Review, 2018, 5, 542-558.	9.5	158
35	Synthesis and Characterization of High-Quality Zeolite LTA and FAU Single Nanocrystals. Chemistry of Materials, 1998, 10, 1483-1486.	6.7	147
36	Creating Hierarchical Pores in Zeolite Catalysts. Trends in Chemistry, 2019, 1, 601-611.	8.5	145

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37	Infused-liquid-switchable porous nanofibrous membranes for multiphase liquid separation. Nature Communications, 2017, 8, 575.	12.8	143
38	Amino Acid-Assisted Construction of Single-Crystalline Hierarchical Nanozeolites via Oriented-Aggregation and Intraparticle Ripening. Journal of the American Chemical Society, 2019, 141, 3772-3776.	13.7	131
39	Methylviologen-templated layered bimetal phosphate: a multifunctional X-ray-induced photochromic material. Chemical Science, 2014, 5, 4237-4241.	7.4	130
40	Thermally treated zeolitic imidazolate framework-8 (ZIF-8) for visible light photocatalytic degradation of gaseous formaldehyde. Chemical Science, 2020, 11, 6670-6681.	7.4	130
41	Red Room-Temperature Phosphorescence of CDs@Zeolite Composites Triggered by Heteroatoms in Zeolite Frameworks. ACS Central Science, 2019, 5, 349-356.	11.3	128
42	Carbon Dots in a Matrix: Energyâ€Transferâ€Enhanced Roomâ€Temperature Red Phosphorescence. Angewandte Chemie - International Edition, 2019, 58, 18443-18448.	13.8	125
43	Carbon Dotsâ€inâ€Matrix Boosting Intriguing Luminescence Properties and Applications. Small, 2019, 15, e1805504.	10.0	124
44	Impregnating Subnanometer Metallic Nanocatalysts into Self-Pillared Zeolite Nanosheets. Journal of the American Chemical Society, 2021, 143, 6905-6914.	13.7	124
45	Chiral zeolitic materials: structural insights and synthetic challenges. Journal of Materials Chemistry, 2008, 18, 4021.	6.7	122
46	Synthesis of tri-level hierarchical SAPO-34 zeolite with intracrystalline microâ€“mesoâ€“macroporosity showing superior MTO performance. Journal of Materials Chemistry A, 2015, 3, 19783-19789.	10.3	121
47	Synthesis of anatase-free nano-sized hierarchical TS-1 zeolites and their excellent catalytic performance in alkene epoxidation. Journal of Materials Chemistry A, 2018, 6, 9473-9479.	10.3	120
48	Inhibiting the Leidenfrost effect above 1,000â€‰Â°C for sustained thermal cooling. Nature, 2022, 601, 568-572.	27.8	120
49	Perovskite Quantum Dots Encapsulated in a Mesoporous Metalâ€“Organic Framework as Synergistic Photocathode Materials. Journal of the American Chemical Society, 2021, 143, 14253-14260.	13.7	118
50	Methanol to olefins: activity and stability of nanosized SAPO-34 molecular sieves and control of selectivity by silicon distribution. Physical Chemistry Chemical Physics, 2013, 15, 14670.	2.8	117
51	A novel (3,3,6)-connected luminescent metalâ€“organic framework for sensing of nitroaromatic explosives. Dalton Transactions, 2013, 42, 5508.	3.3	115
52	Porous Materials Applied in Nonaqueous Liâ€“O₂ Batteries: Status and Perspectives. Advanced Materials, 2020, 32, e2002559.	21.0	115
53	Advances in Catalytic Applications of Zeoliteâ€Supported Metal Catalysts. Advanced Materials, 2021, 33, e2104442.	21.0	113
54	A green surfactant-assisted synthesis of hierarchical TS-1 zeolites with excellent catalytic properties for oxidative desulfurization. Chemical Communications, 2016, 52, 3368-3371.	4.1	109

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55	A non-chemically selective top-down approach towards the preparation of hierarchical TS-1 zeolites with improved oxidative desulfurization catalytic performance. Chemical Communications, 2016, 52, 3580-3583.	4.1	108
56	Criteria for Zeolite Frameworks Realizable for Target Synthesis. Angewandte Chemie - International Edition, 2013, 52, 1673-1677.	13.8	107
57	Seeding induced nano-sized hierarchical SAPO-34 zeolites: cost-effective synthesis and superior MTO performance. Journal of Materials Chemistry A, 2016, 4, 14978-14982.	10.3	107
58	A Bifunctional Photoâ€Assisted Liâ€"O₂ Battery Based on a Hierarchical Heterostructured Cathode. Advanced Materials, 2020, 32, e1907098.	21.0	105
59	Methyl viologen-templated zinc gallophosphate zeolitic material with dual photo-/thermochromism and tuneable photovoltaic activity. Chemical Science, 2015, 6, 2922-2927.	7.4	104
60	Conversion of methanol to olefins: Stabilization of nanosized SAPO-34 by hydrothermal treatment. Journal of Catalysis, 2015, 329, 379-388.	6.2	104
61	Flexible inorganic nanofibrous membranes with hierarchical porosity for efficient water purification. Chemical Science, 2013, 4, 4378.	7.4	103
62	In situ growth-etching approach to the preparation of hierarchically macroporous zeolites with high MTO catalytic activity and selectivity. Journal of Materials Chemistry A, 2014, 2, 17994-18004.	10.3	102
63	Synthesis of hierarchical TS-1 zeolites with abundant and uniform intracrystalline mesopores and their highly efficient catalytic performance for oxidation desulfurization. Journal of Materials Chemistry A, 2017, 5, 7992-7998.	10.3	100
64	Carbogenic nanodots derived from organo-templated zeolites with modulated full-color luminescence. Chemical Science, 2016, 7, 3564-3568.	7.4	99
65	Roselike Microstructures Formed by Direct In Situ Hydrothermal Synthesis:â€‰ From Superhydrophilicity to Superhydrophobicity. Chemistry of Materials, 2005, 17, 6177-6180.	6.7	97
66	Luminescent microporous organic polymers containing the 1,3,5-tri(4-ethenylphenyl)benzene unit constructed by Heck coupling reaction. Polymer Chemistry, 2013, 4, 1932.	3.9	97
67	A 4 + 4 strategy for synthesis of zeolitic metalâ€"organic frameworks: an indium-MOF with SOD topology as a light-harvesting antenna. Chemical Communications, 2013, 49, 11155.	4.1	96
68	High performance nanosheet-like silicoaluminophosphate molecular sieves: synthesis, 3D EDT structural analysis and MTO catalytic studies. Journal of Materials Chemistry A, 2014, 2, 17828-17839.	10.3	96
69	High-Quality Single-Crystalline MFI-Type Nanozeolites: A Facile Synthetic Strategy and MTP Catalytic Studies. Chemistry of Materials, 2018, 30, 2750-2758.	6.7	96
70	Cotemplating Ionothermal Synthesis of a New Open-Framework Aluminophosphate with Unique Al/P Ratio of 6/7. Chemistry of Materials, 2008, 20, 4179-4181.	6.7	94
71	Carbon Dots in Porous Materials: Hostâ€"Guest Synergy for Enhanced Performance. Angewandte Chemie - International Edition, 2020, 59, 19390-19402.	13.8	94
72	Luminescent carbon dots in a new magnesium aluminophosphate zeolite. Chemical Communications, 2013, 49, 9006.	4.1	93

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73	Template-Modulated Afterglow of Carbon Dots in Zeolites: Room-Temperature Phosphorescence and Thermally Activated Delayed Fluorescence. , 2019, 1, 58-63.		92
74	Multifunctional open-framework zinc phosphate |C12H14N2|[Zn6(PO4)4(HPO4)(H2O)2]: photochromic, photoelectric and fluorescent properties. Chemical Communications, 2013, 49, 4995.	4.1	91
75	Radical-Facilitated Green Synthesis of Highly Ordered Mesoporous Silica Materials. Journal of the American Chemical Society, 2018, 140, 4770-4773.	13.7	91
76	A one-step rapid synthesis of TS-1 zeolites with highly catalytically active mononuclear TiO₆ species. Journal of Materials Chemistry A, 2020, 8, 9677-9683.	10.3	89
77	Fabrication of SAPO-34 Crystals with Different Morphologies by Microwave Heating. Topics in Catalysis, 2010, 53, 1304-1310.	2.8	88
78	Heteroatomâ€Stabilized Chiral Framework of Aluminophosphate Molecular Sieves. Angewandte Chemie - International Edition, 2009, 48, 314-317.	13.8	87
79	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
80	Fine Structures of Zeolite-Linde-L (LTL): Surface Structures, Growth Unit and Defects. Chemistry - A European Journal, 2004, 10, 5031-5040.	3.3	84
81	Fabrication of Hierarchically Porous Inorganic Nanofibers by a General Microemulsion Electrospinning Approach. Small, 2011, 7, 1779-1783.	10.0	84
82	AlEgensâ€Functionalized Inorganicâ€Organic Hybrid Materials: Fabrications and Applications. Small, 2016, 12, 6478-6494.	10.0	83
83	Amino-Functionalized Porous Nanofibrous Membranes for Simultaneous Removal of Oil and Heavy-Metal Ions from Wastewater. ACS Applied Materials & Interfaces, 2019, 11, 1672-1679.	8.0	83
84	A Crystalline Germanate with Mesoporous 30-Ring Channels. Journal of the American Chemical Society, 2009, 131, 14128-14129.	13.7	80
85	Nanocrystalline SSZ-39 zeolite as an efficient catalyst for the methanol-to-olefin (MTO) process. Chemical Communications, 2016, 52, 6072-6075.	4.1	80
86	Singleâ€Atom Iron Catalysts on Overhangâ€Eave Carbon Cages for Highâ€Performance Oxygen Reduction Reaction. Angewandte Chemie, 2020, 132, 7454-7459.	2.0	80
87	Ultrafast synthesis of nano-sized zeolite SAPO-34 with excellent MTO catalytic performance. Chemical Communications, 2015, 51, 16397-16400.	4.1	78
88	Fabrication of Zeolite Hollow Fibers by Coaxial Electrospinning. Chemistry of Materials, 2008, 20, 3543-3545.	6.7	77
89	Intermediate-crystallization promoted catalytic activity of titanosilicate zeolites. Journal of Materials Chemistry A, 2018, 6, 8757-8762.	10.3	77
90	Structures and Templating Effect in the Formation of 2D Layered Aluminophosphates with Al3P4O163-Stoichiometry. Chemistry of Materials, 1999, 11, 2600-2606.	6.7	76

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91	A Green Selective Water-Etching Approach to MOF@Mesoporous SiO2 Yolk-Shell Nanoreactors with Enhanced Catalytic Stabilities. Matter, 2020, 3, 498-508.	10.0	75
92	Supramolecular Nanosystem Based on Pillararene-Capped CuS Nanoparticles for Targeted Chemo-Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 29314-29324.	8.0	74
93	Antibacterial and anti-adhesive zeolite coatings on titanium alloy surface. Microporous and Mesoporous Materials, 2011, 146, 216-222.	4.4	70
94	Synergetic Effect of Ultrasmall Metal Clusters and Zeolites Promoting Hydrogen Generation. Advanced Science, 2019, 6, 1802350.	11.2	70
95	Creation of Alâ€Enriched Mesoporous ZSMâ€5 Nanoboxes with High Catalytic Activity: Converting Tetrahedral Extraâ€Framework Al into Framework Sites by Post Treatment. Angewandte Chemie - International Edition, 2020, 59, 19478-19486.	13.8	69
96	A one-pot synthetic strategy via tandem Suzukiâ€"Heck reactions for the construction of luminescent microporous organic polymers. Polymer Chemistry, 2014, 5, 471-478.	3.9	67
97	AIEgen-Functionalized Mesoporous Silica Gated by Cyclodextrin-Modified CuS for Cell Imaging and Chemo-Photothermal Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 12155-12163.	8.0	67
98	Polyoxomolybdic Cobalt Encapsulated within Zr-Based Metalâ€"Organic Frameworks as Efficient Heterogeneous Catalysts for Olefins Epoxidation. ACS Sustainable Chemistry and Engineering, 2019, 7, 3624-3631.	6.7	67
99	A Germanate Built from a 6⁸12⁶ Cavity Cotemplated by an (H₂O)₁₆ Cluster and 2â€Methylpiperazine. Angewandte Chemie - International Edition, 2008, 47, 7868-7871.	13.8	66
100	Mesoporous silica functionalized with an AIE luminogen for drug delivery. Chemical Communications, 2011, 47, 11077.	4.1	64
101	Ionothermal Synthesis of Extraâ€Largeâ€Pore Openâ€Framework Nickel Phosphite 5â€‰H₃Oâ‹…[Ni₈(HPO₃)₉Cl₃]â‹…1.5â€‰H₂O: Magnetic Anisotropy of the Antiferromagnetism. Angewandte Chemie - International Edition, 2010, 49, 2328-2331.	13.8	63
102	In silico prediction and screening of modular crystal structures via a high-throughput genomic approach. Nature Communications, 2015, 6, 8328.	12.8	63
103	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19669-19674.	13.8	63
104	Coupling of chromophores with exactly opposite luminescence behaviours in mesostructured organosilicas for high-efficiency multicolour emission. Chemical Science, 2015, 6, 6097-6101.	7.4	62
105	Fabrication of superhydrophilic Cu2O and CuO membranes. Journal of Membrane Science, 2006, 286, 279-284.	8.2	61
106	Template-Designed Syntheses of Open-Framework Zinc Phosphites with Extra-Large 24-Ring Channels. Crystal Growth and Design, 2008, 8, 2318-2323.	3.0	61
107	Fabricating Mechanically Robust Binderâ€Free Structured Zeolites by 3D Printing Coupled with Zeolite Soldering: A Superior Configuration for CO₂ Capture. Advanced Science, 2019, 6, 1901317.	11.2	61
108	Flexible Multifunctional Porous Nanofibrous Membranes for High-Efficiency Air Filtration. ACS Applied Materials & Interfaces, 2019, 11, 43409-43415.	8.0	60

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109	2H3OÂ·[Co8(HPO3)9(CH3OH)3]Â·2H2O: An Open-Framework Cobalt Phosphite Containing Extra-Large 18-Ring Channels. Chemistry of Materials, 2008, 20, 17-19.	6.7	57
110	The recyclable synthesis of hierarchical zeolite SAPO-34 with excellent MTO catalytic performance. Chemical Communications, 2015, 51, 11987-11989.	4.1	57
111	Design and synthesis of a multifunctional porous N-rich polymer containing s-triazine and TrÃ¶ger's base for CO₂ adsorption, catalysis and sensing. Polymer Chemistry, 2018, 9, 2643-2649.	3.9	57
112	Zeolite-confined carbon dots: tuning thermally activated delayed fluorescence emission via energy transfer. Materials Chemistry Frontiers, 2020, 4, 1404-1410.	5.9	57
113	Solid-State NMR Spectroscopy of Anionic Framework Aluminophosphates:Â A New Method to Determine the Al/P Ratio. Journal of Physical Chemistry B, 2006, 110, 2131-2137.	2.6	56
114	[Ni(1,2-PDA)₃]₂(HOCH₂CH₂CH₂NH₃)₃(H< [Ge₇O₁₄X₃]₃ (X = F, OH): A New 1D Germanate with 12-Ring Hexagonal Tubular Channels. Chemistry of Materials, 2008, 20, 370-372.	6.7	56
115	Toward a New Era of Designed Synthesis of Nanoporous Zeolitic Materials. ACS Nano, 2018, 12, 4096-4104.	14.6	56
116	Advanced Hybrid Electrolyte Li-O2 Battery Realized by Dual Superlyophobic Membrane. Joule, 2019, 3, 2986-3001.	24.0	56
117	High proton conduction in a new alkali metal-templated open-framework aluminophosphate. Chemical Communications, 2015, 51, 9317-9319.	4.1	54
118	Cost-effective synthesis of hierarchical SAPO-34 zeolites with abundant intracrystalline mesopores and excellent MTO performance. Chemical Communications, 2018, 54, 3697-3700.	4.1	54
119	An Extraâ€Ł arge â€Pore Zeolite with 24Ã—8Ã—8â€Ring Channels Using a Structureâ€Directing Agent Derived from Traditional Chinese Medicine. Angewandte Chemie - International Edition, 2018, 57, 6486-6490.	13.8	54
120	Investigation of Extra-Large Pore Zeolite Synthesis by a High-Throughput Approach. Chemistry of Materials, 2011, 23, 4709-4715.	6.7	53
121	Hydrothermal synthesis and characterization of a new inorganicâ€"organic hybrid layered zinc phosphateâ€"phosphite (C6H15N2)2Zn4(PO4)2(HPO3)2. Dalton Transactions RSC, 2002, , 4060-4063.	2.3	52
122	AIE cation functionalized layered zirconium phosphate nanoplatelets: ion-exchange intercalation and cell imaging. Chemical Communications, 2013, 49, 9549.	4.1	52
123	Design of Chiral Zeolite Frameworks with Specified Channels through Constrained Assembly of Atoms. Chemistry of Materials, 2005, 17, 4399-4405.	6.7	51
124	Octavinylsilsesquioxane-based luminescent nanoporous inorganicâ€"organic hybrid polymers constructed by the Heck coupling reaction. Polymer Chemistry, 2015, 6, 917-924.	3.9	51
125	CO₂ adsorption and catalytic application of imidazole ionic liquid functionalized porous organic polymers. Polymer Chemistry, 2017, 8, 1833-1839.	3.9	51
126	Unveiling Secondary-Ion-Promoted Catalytic Properties of Cu-SSZ-13 Zeolites for Selective Catalytic Reduction of NO_x. Journal of the American Chemical Society, 2022, 144, 12816-12824.	13.7	51

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127	Carbon Dots-in-Zeolite via In-Situ Solvent-Free Thermal Crystallization: Achieving High-Efficiency and Ultralong Afterglow Dual Emission. CCS Chemistry, 2020, 2, 118-127.	7.8	50
128	Fabrication of bioactive 3D printed porous titanium implants with Sr ion-incorporated zeolite coatings for bone ingrowth. Journal of Materials Chemistry B, 2018, 6, 3254-3261.	5.8	48
129	AIE Luminogenâ€Functionalized Hollow Mesoporous Silica Nanospheres for Drug Delivery and Cell Imaging. Chemistry - A European Journal, 2016, 22, 3681-3685.	3.3	47
130	Organicâ€Free Synthesis of Zeolite Y with High Si/Al Ratios: Combined Strategy of In Situ Hydroxyl Radical Assistance and Postâ€Synthesis Treatment. Angewandte Chemie - International Edition, 2020, 59, 17225-17228.	13.8	47
131	Subnanometer Bimetallic Platinumâ€"Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, 19618-19627.	2.0	47
132	Carbon Dotsâ€inâ€EuAPOâ€5 Zeolite: Tripleâ€Emission for Multilevel Luminescence Antiâ€Counterfeiting. Small, 2021, 17, e2103374.	10.0	47
133	Simple Quaternary Ammonium Cations-Templated Syntheses of Extra-Large Pore Germanosilicate Zeolites. Chemistry of Materials, 2016, 28, 6455-6458.	6.7	46
134	Nanoseed-assisted synthesis of nano-sized SAPO-34 zeolites using morpholine as the sole template with superior MTO performance. Chemical Communications, 2017, 53, 13328-13331.	4.1	46
135	Promotion of Osseointegration between Implant and Bone Interface by Titanium Alloy Porous Scaffolds Prepared by 3D Printing. ACS Biomaterials Science and Engineering, 2020, 6, 5181-5190.	5.2	45
136	Functionalization of Zirconiumâ€Based Metalâ€"Organic Layers with Tailored Pore Environments for Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2020, 59, 18224-18228.	13.8	44
137	Synthesis of chiral polymorph A-enriched zeolite Beta with an extremely concentrated fluoride route. Scientific Reports, 2015, 5, 11521.	3.3	43
138	An amino acid-assisted approach to fabricate nanosized hierarchical TS-1 zeolites for efficient oxidative desulfurization. Inorganic Chemistry Frontiers, 2020, 7, 1975-1980.	6.0	42
139	Design and Synthesis of Two Porous Metalâ€"Organic Frameworks with nbo and agw Topologies Showing High CO₂ Adsorption Capacity. Inorganic Chemistry, 2013, 52, 10720-10722.	4.0	41
140	Three-Dimensional-Printed Coreâ€"Shell Structured MFI-Type Zeolite Monoliths for Volatile Organic Compound Capture under Humid Conditions. ACS Applied Materials & Interfaces, 2019, 11, 38955-38963.	8.0	41
141	Low-energy adsorptive separation by zeolites. National Science Review, 2022, 9, .	9.5	41
142	A Gallogermanate Zeolite with Elevenâ€Memberedâ€Ring Channels. Angewandte Chemie - International Edition, 2013, 52, 5501-5503.	13.8	40
143	AIE luminogen-functionalised mesoporous nanomaterials for efficient detection of volatile gases. Chemical Communications, 2015, 51, 13830-13833.	4.1	40
144	Mesoporogenâ€Free Synthesis of Hierarchical SAPOâ€34 with Low Template Consumption and Excellent Methanolâ€toâ€Olefin Conversion. ChemSusChem, 2018, 11, 3812-3820.	6.8	40

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145	Controlling the Morphology and Titanium Coordination States of TS-1 Zeolites by Crystal Growth Modifier. Inorganic Chemistry, 2020, 59, 13201-13210.	4.0	40
146	Fabrication of super-hydrophobic and super-oleophilic boehmite membranes from anodic alumina oxide film via a two-phase thermal approach. Journal of Materials Chemistry, 2006, 16, 1741.	6.7	39
147	Fluorescent sensors based on AIEgen-functionalised mesoporous silica nanoparticles for the detection of explosives and antibiotics. Inorganic Chemistry Frontiers, 2018, 5, 2183-2188.	6.0	39
148	Organotemplate-free synthesis of an open-framework magnesium aluminophosphate with proton conduction properties. Chemical Communications, 2015, 51, 2149-2151.	4.1	38
149	A Metal-Rich Fluorinated Indium Phosphate, 4[NH3(CH2)3NH3]Â·3[H3O]Â·[In9(PO4)6(HPO4)2F16]Â·3H2O, with 14-Membered Ring Channels. Chemistry of Materials, 1998, 10, 773-776.	6.7	37
150	A novel open-framework aluminophosphate [AlP2O6(OH)2][H3O] containing propeller-like chiral motifs. Chemical Communications, 2000, , 1431-1432.	4.1	37
151	Towards Rational Synthesis of Microporous Aluminophosphate AlPO4-21 by Hydrothermal Combinatorial Approach. Topics in Catalysis, 2005, 35, 3-8.	2.8	37
152	Na2[VB3P2O12(OH)]Â·2.92H2O: A New Open-Framework Vanadium Borophosphate Containing Extra-Large 16-Ring Pore Openings and 128166 Super Cavities Synthesized by Using the Boric Acid Flux Method. Chemistry of Materials, 2008, 20, 4900-4905.	6.7	37
153	Morphology Changes of Transition-Metal-Substituted Aluminophosphate Molecular Sieve AlPO4-5 Crystals. Chemistry of Materials, 2008, 20, 2160-2164.	6.7	37
154	Fabrication of molecular sieve fibers by electrospinning. Journal of Materials Chemistry, 2011, 21, 8511.	6.7	37
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302	Titelbild: Direct Atomicâ€Level Imaging of Zeolites: Oxygen, Sodium in Naâ€LTA and Iron in Feâ€MFI (Angew.) Tj ETQq0 0 0 rgBT /Overlo	2.0	0
303	Titelbild: Singleâ€Atom Iron Catalysts on Overhangâ€Leave Carbon Cages for Highâ€Performance Oxygen Reduction Reaction (Angew. Chem. 19/2020). Angewandte Chemie, 2020, 132, 7341-7341.	2.0	0
304	Construction of Singleâ€Crystalline Hierarchical ZSMâ€5 with Open Nanoarchitectures via Anisotropicâ€Kinetics Transformation for the Methanolâ€toâ€Hydrocarbons Reaction. Angewandte Chemie, 0, , .	2.0	0