Russell E Morris

List of Publications by Year
in descending order

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265 papers	24,941 citations	11608 70 h-index	7496 151 g-index
288 all docs	288 docs citations	288 times ranked	18584 citing authors

#	Article	IF	Citations
1	Metalâ€“Organic Frameworks in Biomedicine. Chemical Reviews, 2012, 112, 1232-1268.	23.0	3,593
2	Gas Storage in Nanoporous Materials. Angewandte Chemie - International Edition, 2008, 47, 4966-4981.	7.2	1,453
3	Ionic liquids and eutectic mixtures as solvent and template in synthesis of zeolite analogues. Nature, 2004, 430, 1012-1016.	13.7	1,196
4	BioMOFs: Metalâ€“Organic Frameworks for Biological and Medical Applications. Angewandte Chemie - International Edition, 2010, 49, 6260-6266.	7.2	1,074
5	Ionothermal Synthesis of Zeolites, Metalâ€“Organic Frameworks, and Inorganicâ€“Organic Hybrids. Accounts of Chemical Research, 2007, 40, 1005-1013.	7.6	809
6	Two-Dimensional Zeolites: Current Status and Perspectives. Chemical Reviews, 2014, 114, 4807-4837.	23.0	625
7	High-Capacity Hydrogen and Nitric Oxide Adsorption and Storage in a Metalâ^'Organic Framework. Journal of the American Chemical Society, 2007, 129, 1203-1209.	6.6	546
8	Induction of chiral porous solids containing only achiral building blocks. Nature Chemistry, 2010, 2, 353-361.	6.6	522
9	Ionothermal synthesisâ€”ionic liquids as functional solvents in the preparation of crystalline materials. Chemical Communications, 2009, , 2990.	2.2	423
10	Chiral Induction in the Ionothermal Synthesis of a 3-D Coordination Polymer. Journal of the American Chemical Society, 2007, 129, 4880-4881.	6.6	403
11	Exceptional Behavior over the Whole Adsorptionâ^'Storageâ^'Delivery Cycle for NO in Porous Metal Organic Frameworks. Journal of the American Chemical Society, 2008, 130, 10440-10444.	6.6	391
12	Adsorption properties of HKUST-1 toward hydrogen and other small molecules monitored by IR. Physical Chemistry Chemical Physics, 2007, 9, 2676.	1.3	358
13	A family of zeolites with controlled pore size prepared using a top-down method. Nature Chemistry, 2013, 5, 628-633.	6.6	355
14	The Ionothermal Synthesis of Cobalt Aluminophosphate Zeolite Frameworks. Journal of the American Chemical Society, 2006, 128, 2204-2205.	6.6	281
15	The ADOR mechanism for the synthesis of new zeolites. Chemical Society Reviews, 2015, 44, 7177-7206.	18.7	275
16	On the Nature of Water Bound to a Solid Acid Catalyst. Science, 1996, 271, 799-802.	6.0	254
17	Nitric Oxide Adsorption and Delivery in Flexible MIL-88(Fe) Metalâ€“Organic Frameworks. Chemistry of Materials, 2013, 25, 1592-1599.	3.2	243
18	NO-Releasing Zeolites and Their Antithrombotic Properties. Journal of the American Chemical Society, 2006, 128, 502-509.	6.6	230

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19	Microwave-assisted synthesis of anionic metalâ€“organic frameworks under ionothermal conditions. Chemical Communications, 2006, , 2021-2023.	2.2	227
20	1-Alkyl-3-methyl Imidazolium Bromide Ionic Liquids in the Ionothermal Synthesis of Aluminium Phosphate Molecular Sieves. Chemistry of Materials, 2006, 18, 4882-4887.	3.2	220
21	Coordination change, lability and hemilability in metalâ€“organic frameworks. Chemical Society Reviews, 2017, 46, 5444-5462.	18.7	216
22	Ionothermal Materials Synthesis Using Unstable Deep-Eutectic Solvents as Template-Delivery Agents. Angewandte Chemie - International Edition, 2006, 45, 4962-4966.	7.2	211
23	Metal organic frameworks as NO delivery materials for biological applications. Microporous and Mesoporous Materials, 2010, 129, 330-334.	2.2	209
24	Anion Control in the Ionothermal Synthesis of Coordination Polymers. Journal of the American Chemical Society, 2007, 129, 10334-10335.	6.6	203
25	Chemically blockable transformation and ultraselective low-pressure gas adsorption in a non-porous metal organic framework. Nature Chemistry, 2009, 1, 289-294.	6.6	190
26	Synthesis of â€˜unfeasibleâ€™ zeolites. Nature Chemistry, 2016, 8, 58-62.	6.6	186
27	The synthesis of molecular sieves from non-aqueous solvents. Chemical Society Reviews, 1997, 26, 309.	18.7	173
28	A Solid-State NMR Method for Solution of Zeolite Crystal Structures. Journal of the American Chemical Society, 2005, 127, 10365-10370.	6.6	161
29	The ionothermal synthesis of SIZ-6â€”a layered aluminophosphate. Chemical Communications, 2006, , 380-382.	2.2	161
30	A Synchrotron X-ray Diffraction, Neutron Diffraction, 29Si MAS-NMR, and Computational Study of the Siliceous Form of Zeolite Ferrierite. Journal of the American Chemical Society, 1994, 116, 11849-11855.	6.6	157
31	Exploiting chemically selective weakness in solids as a route to new porous materials. Nature Chemistry, 2015, 7, 381-388.	6.6	153
32	Ionic Liquids and Microwavesâ€”Making Zeolites for Emerging Applications. Angewandte Chemie - International Edition, 2008, 47, 442-444.	7.2	149
33	Toxicity of metalâ€“organic framework nanoparticles: from essential analyses to potential applications. Chemical Society Reviews, 2022, 51, 464-484.	18.7	144
34	An ionothermally prepared SÂ=Â1/2 vanadium oxyfluoride kagome lattice. Nature Chemistry, 2011, 3, 801-806.	6.6	142
35	Protecting group and switchable pore-discriminating adsorption properties of a hydrophilicâ€“hydrophobic metalâ€“organic framework. Nature Chemistry, 2011, 3, 304-310.	6.6	141
36	A rare example of a porous Ca-MOF for the controlled release of biologically active NO. Chemical Communications, 2013, 49, 7773.	2.2	138

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37	Hydrolytic stability in hemilabile metalâ€“organic frameworks. Nature Chemistry, 2018, 10, 1096-1102.	6.6	134
38	Ionothermal Synthesis of Unusual Cholineâ€Templated Cobalt Aluminophosphates. Angewandte Chemie - International Edition, 2007, 46, 7839-7843.	7.2	131
39	Early Stage Reversed Crystal Growth of Zeolite A and Its Phase Transformation to Sodalite. Journal of the American Chemical Society, 2009, 131, 17986-17992.	6.6	129
40	Metalâ€“organic frameworks for the storage and delivery of biologically active hydrogen sulfide. Dalton Transactions, 2012, 41, 4060.	1.6	128
41	2021 roadmap for sodium-ion batteries. JPhys Energy, 2021, 3, 031503.	2.3	125
42	Combined Neutron and X-ray Powder Diffraction Study of Zeolite Ca LSX and a 2H NMR Study of Its Complex with Benzene. The Journal of Physical Chemistry, 1995, 99, 16087-16092.	2.9	123
43	SSZ-23: An Odd Zeolite with Pore Openings of Seven and Nine Tetrahedral Atoms. Angewandte Chemie - International Edition, 1998, 37, 2122-2126.	7.2	113
44	Gapless Spin Liquid Ground State in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mo mathvariant="bold">=</mml:mo><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math>Vanadium Oxyfluoride Kagome Antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="true">[</mml:mo><mml:msub><mml:mi>NH</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mo	2.9	113
45	Studies on the Role of Fluoride Ion vs Reaction Concentration in Zeolite Synthesis. Journal of Physical Chemistry B, 2005, 109, 652-661.	1.2	105
46	Ionothermal synthesis using a hydrophobic ionic liquid as solvent in the preparation of a novel aluminophosphate chain structure. Journal of Materials Chemistry, 2006, 16, 3682.	6.7	105
47	Zeolites with Continuously Tuneable Porosity. Angewandte Chemie - International Edition, 2014, 53, 13210-13214.	7.2	104
48	Increased selectivity in hydroformylation reactions using dendrimer based catalysts; a positive dendrimer effect. Chemical Communications, 2001, , 361-362.	2.2	102
49	Topically Applied Nitric Oxide Induces T-Lymphocyte Infiltration in Human Skin, but Minimal Inflammation. Journal of Investigative Dermatology, 2008, 128, 352-360.	0.3	102
50	SSZ-51A New Aluminophosphate Zeotype:Â Synthesis, Crystal Structure, NMR, and Dehydration Properties. Chemistry of Materials, 2004, 16, 2844-2851.	3.2	100
51	Solventless Synthesis of Zeolites. Angewandte Chemie - International Edition, 2013, 52, 2163-2165.	7.2	94
52	NO-loaded Zn2+-exchanged zeolite materials: A potential bifunctional anti-bacterial strategy. Acta Biomaterialia, 2010, 6, 1515-1521.	4.1	93
53	In Situ Single-Crystal Diffraction Studies of the Structural Transition of Metalâ^'Organic Framework Copper 5-Sulfoisophthalate, Cu-SIP-3. Journal of the American Chemical Society, 2010, 132, 3605-3611.	6.6	90
54	Imposition of Polarity on a Centrosymmetric Zeolite Host:â€‰ The Effect of Fluoride Ions on Template Ordering in Zeolite IFR. Journal of the American Chemical Society, 2000, 122, 7128-7129.	6.6	89

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55	Ionothermal Synthesis of Zirconium Phosphates and Their Catalytic Behavior in the Selective Oxidation of Cyclohexane. Angewandte Chemie - International Edition, 2009, 48, 2206-2209.	7.2	89
56	Pure Silica Zeolite-type Frameworks: A Structural Analysis. Chemistry of Materials, 2008, 20, 1561-1570.	3.2	88
57	Combined Solid State NMR and X-ray Diffraction Investigation of the Local Structure of the Five-Coordinate Silicon in Fluoride-Containing As-Synthesized STF Zeolite. Journal of the American Chemical Society, 2002, 124, 7770-7778.	6.6	87
58	Synthesis and structure of fluoride-containing GeO2 analogues of zeolite double four-ring building unitsElectronic supplementary information (ESI) available: X-ray diffraction data. See http://www.rsc.org/suppdata/cc/b2/b207374a/. Chemical Communications, 2002, , 2220-2221.	2.2	87
59	Ammonia-Rich High-Temperature Superconducting Intercalates of Iron Selenide Revealed through Time-Resolved in Situ X-ray and Neutron Diffraction. Journal of the American Chemical Society, 2014, 136, 630-633.	6.6	86
60	Multifunctional lanthanum tetraphosphonates: Flexible, ultramicroporous and proton-conducting hybrid frameworks. Dalton Transactions, 2012, 41, 4045.	1.6	85
61	A solid with a hierarchical tetramodal micro-meso-macro pore size distribution. Nature Communications, 2013, 4, 2015.	5.8	85
62	The Location and Ordering of Fluoride Ions in Pure Silica Zeolites with Framework Types IFR and STF; Implications for the Mechanism of Zeolite Synthesis in Fluoride Media. Journal of the American Chemical Society, 2001, 123, 8797-8805.	6.6	83
63	Synthesis of highly functionalised dendrimers based on polyhedral silsesquioxane coresâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1998, , 2767-2770.	1.1	81
64	Task specific ionic liquids for the ionothermal synthesis of siliceous zeolites. Chemical Science, 2010, 1, 483.	3.7	81
65	Gradual Release of Strongly Bound Nitric Oxide from Fe₂(NO)₂(dobdc). Journal of the American Chemical Society, 2015, 137, 3466-3469.	6.6	81
66	An X-ray Diffraction and MAS NMR Study of the Thermal Expansion Properties of Calcined Siliceous Ferrierite. Journal of the American Chemical Society, 2003, 125, 4342-4349.	6.6	76
67	3D to 2D Routes to Ultrathin and Expanded Zeolitic Materials. Chemistry of Materials, 2013, 25, 542-547.	3.2	76
68	Fast room temperature lability of aluminosilicate zeolites. Nature Communications, 2019, 10, 4690.	5.8	75
69	Variable-Temperature Microcrystal X-ray Diffraction Studies of Negative Thermal Expansion in the Pure Silica Zeolite IFR. Journal of the American Chemical Society, 2001, 123, 5453-5459.	6.6	73
70	Phosphine-containing carbosilane dendrimers based on polyhedral silsesquioxane cores as ligands for hydroformylation reaction of oct-1-ene. Journal of Molecular Catalysis A, 2002, 182-183, 99-105.	4.8	72
71	Metalâ€“organic frameworks as potential multi-carriers of drugs. CrystEngComm, 2013, 15, 9364.	1.3	70
72	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPCâ€12 from Zeolite UOV. Angewandte Chemie - International Edition, 2017, 56, 4324-4327.	7.2	70

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73	Porous, rigid metal(III)-carboxylate metal-organic frameworks for the delivery of nitric oxide. APL Materials, 2014, 2, .	2.2	66
74	Synthesis of functionalised porous network silsesquioxane polymers. Journal of Materials Chemistry, 2002, 12, 3208-3212.	6.7	65
75	Hydrocarbonylation reactions using alkylphosphine-containing dendrimers based on a polyhedral oligosilsesquioxane core. Dalton Transactions RSC, 2002, , 1997-2008.	2.3	64
76	High-resolution solid-state 13C NMR spectroscopy of the paramagnetic metalâ€“organic frameworks, STAM-1 and HKUST-1. Physical Chemistry Chemical Physics, 2013, 15, 919-929.	1.3	64
77	In situ solid-state NMR and XRD studies of the ADOR process and the unusual structure of zeolite IPC-6. Nature Chemistry, 2017, 9, 1012-1018.	6.6	63
78	Determination of complex structures by combined neutron and synchrotron X-ray powder diffraction. Nature, 1992, 359, 519-522.	13.7	62
79	Phosphine containing dendrimers for highly regioselective rhodium catalysed hydroformylation of alkenes: a positive â€˜dendritic effectâ€™. Dalton Transactions RSC, 2002, , 4323.	2.3	62
80	The Assemblyâ€Disassemblyâ€Organizationâ€Reassembly Mechanism for 3Dâ€2Dâ€3D Transformation of Germanosilicate IWW Zeolite. Angewandte Chemie - International Edition, 2014, 53, 7048-7052.	7.2	62
81	Incorporation of cisplatin into the metalâ€“organic frameworks UiO66-NH₂ and UiO66 â€“ encapsulation vs. conjugation. RSC Advances, 2015, 5, 83648-83656.	1.7	62
82	Synthesis of functional cubes from octavinylsilsesquioxane (OVS). Organic and Biomolecular Chemistry, 2008, 6, 4662.	1.5	61
83	Microporous Magnesium Aluminophosphate STA-1: Synthesis with a Rationally Designed Template and Structure Elucidation by Microcrystal Diffraction. Angewandte Chemie International Edition in English, 1997, 36, 81-83.	4.4	60
84	Modular materials from zeolite-like building blocks. Journal of Materials Chemistry, 2005, 15, 931.	6.7	60
85	Germanosilicate Precursors of ADORable Zeolites Obtained by Disassembly of ITH, ITR, and IWR Zeolites. Chemistry of Materials, 2014, 26, 5789-5798.	3.2	60
86	Perovskites. Dalton Transactions, 2015, 44, 10541-10542.	1.6	60
87	Assemblyâ€“Disassemblyâ€“Organizationâ€“Reassembly Synthesis of Zeolites Based on cfi-Type Layers. Chemistry of Materials, 2017, 29, 5605-5611.	3.2	60
88	Multirate delivery of multiple therapeutic agents from metal-organic frameworks. APL Materials, 2014, 2, .	2.2	58
89	Synthesis and Structure of an Unusual New Layered Aluminophosphate Containing Oxalate Groups, [NH3CH2CH2NH3]2.5[Al4H(HPO4)4(H2PO4)2(C2O4)4]. Journal of Solid State Chemistry, 1999, 143, 74-76.	1.4	57
90	The location of fluoride and organic guests in â€˜as-madeâ€™ pure silica zeolites FER and CHA. Journal of Materials Chemistry, 2003, 13, 1978-1982.	6.7	57

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91	Ionothermal 17O enrichment of oxides using microlitre quantities of labelled water. Chemical Science, 2012, 3, 2293.	3.7	57
92	Azamacrocycle-Containing Gallium Phosphates:Â A New Class of Inorganicâ˜'Organic Hybrid Material. Journal of the American Chemical Society, 1998, 120, 6822-6823.	6.6	56
93	Dendrimer-bound tertiary phosphines for alkene hydroformylation. Inorganic Chemistry Communication, 2000, 3, 714-717.	1.8	56
94	Comparing quantum-chemical calculation methods for structural investigation of zeolite crystal structures by solid-state NMR spectroscopy. Magnetic Resonance in Chemistry, 2010, 48, S113-S121.	1.1	56
95	The use of ionic liquids in the synthesis of zinc imidazolate frameworks. Dalton Transactions, 2010, 39, 1758-1762.	1.6	56
96	Tuning the nitric oxide release from CPO-27 MOFs. RSC Advances, 2016, 6, 14059-14067.	1.7	55
97	Advances in Organic Anode Materials for Naâ€/Kâ€ion Rechargeable Batteries. ChemSusChem, 2020, 13, 4866-4884.	3.6	55
98	How Does Your MOF Grow?. ChemPhysChem, 2009, 10, 327-329.	1.0	53
99	The ionothermal synthesis of metal organic frameworks, Ln(C9O6H3)((CH3NH)2CO)2, using deep eutectic solvents. Solid State Sciences, 2010, 12, 418-421.	1.5	50
100	Hydrogen-bond-directing effect in the ionothermal synthesis of metal coordination polymers. Dalton Transactions, 2008, , 3989.	1.6	49
101	The effect of pressure on the post-synthetic modification of a nanoporous metalâ€“organic framework. Nanoscale, 2014, 6, 4163-4173.	2.8	49
102	Cost-effective¹⁷O enrichment and NMR spectroscopy of mixed-metal terephthalate metalâ€“organic frameworks. Chemical Science, 2018, 9, 850-859.	3.7	49
103	Anionic Gallium Phosphate Double Four-Ring Units Containing Occluded Oxygen. Journal of the American Chemical Society, 2000, 122, 11246-11247.	6.6	48
104	The synthesis of gallium phosphate frameworks with and without fluoride ions present: attempts to direct the synthesis of double four-ring containing materials. Journal of Materials Chemistry, 2001, 11, 1850-1857.	6.7	47
105	The role of added water in the ionothermal synthesis of microporous aluminium phosphates. Solid State Sciences, 2009, 11, 411-416.	1.5	47
106	Tuning Different Kinds of Entangled Networks Formed by Isomers of Bis(1,2,4-triazol-1-ylmethyl)benzene and a Flexible Tetracarboxylate Ligand. Crystal Growth and Design, 2013, 13, 1649-1654.	1.4	47
107	The Synthesis and Characterization of a One-Dimensional Aluminophosphate: Na4Al(PO4)2(OH). Journal of Solid State Chemistry, 1995, 118, 412-416.	1.4	46
108	Proton-Coupled Electron Transfer Enhances the Electrocatalytic Reduction of Nitrite to NO in a Bioinspired Copper Complex. ACS Catalysis, 2018, 8, 5070-5084.	5.5	46

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109	Determination of Complex Structures from Powder Diffraction Data: The Crystal Structure of La3Ti5Al15O37. Journal of Solid State Chemistry, 1994, 111, 52-57.	1.4	45
110	Synthesis and characterisation of Al(O3PCH2CO2)Â·3H2O, a layered aluminium carboxymethylphosphonate. Journal of the Chemical Society Dalton Transactions, 1998, , 3359-3362.	1.1	44
111	Water based scale-up of CPO-27 synthesis for nitric oxide delivery. Dalton Transactions, 2016, 45, 618-629.	1.6	44
112	AlMePO-Î²: inclusion and thermal removal of structure directing agent and the topotactic reconstructive transformation to its polymorph AlMePO-Î±. Journal of Materials Chemistry, 1997, 7, 2287-2292.	6.7	43
113	Understanding the adsorption mechanism of noble gases Kr and Xe in CPO-27-Ni, CPO-27-Mg, and ZIF-8. Physical Chemistry Chemical Physics, 2014, 16, 23908-23914.	1.3	43
114	A severely interrupted germanate zeolite framework synthesised from isolated double four-ring unitsElectronic supplementary information (ESI) available: XRD and NMR data. See http://www.rsc.org/suppdata/dt/b3/b314942k/. Dalton Transactions, 2004, , 820.	1.6	42
115	A novel non-centrosymmetric metallophosphate-borate compound via ionothermal synthesis. Dalton Transactions, 2009, , 5287.	1.6	42
116	EPR and magnetic studies of a novel copper metal organic framework (STAM-I). Chemical Physics Letters, 2012, 544, 17-21.	1.2	42
117	Synthesis, Isotopic Enrichment, and Solid-State NMR Characterization of Zeolites Derived from the Assembly, Disassembly, Organization, Reassembly Process. Journal of the American Chemical Society, 2017, 139, 5140-5148.	6.6	42
118	A Synthesis, MAS NMR, Synchrotron X-ray Powder Diffraction, and Computational Study of Zeolite SSZ-23. Chemistry of Materials, 1999, 11, 2878-2885.	3.2	41
119	A new layered MWW zeolite synthesized with the bifunctional surfactant template and the updated classification of layered zeolite forms obtained by direct synthesis. Journal of Materials Chemistry A, 2019, 7, 7701-7709.	5.2	41
120	Calcination of a layered aluminofluorophosphate precursor to form the zeolitic AFO framework. Journal of Materials Chemistry, 2006, 16, 1035.	6.7	40
121	Tuning the nitric oxide release behavior of amino functionalized HKUST-1. Microporous and Mesoporous Materials, 2015, 216, 118-126.	2.2	40
122	Selective oxidation of bulky organic sulphides over layered titanosilicate catalysts. Catalysis Science and Technology, 2016, 6, 2775-2786.	2.1	40
123	Metalâ€“Organic Frameworkâ€Activated Carbon Composite Materials for the Removal of Ammonia from Contaminated Airstreams. Angewandte Chemie - International Edition, 2019, 58, 11747-11751.	7.2	40
124	Synthesis and characterisation of silanol-functionalised dendrimersâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 2183-2188.	1.1	39
125	The Synthesis and Structure of SSZ-73:â€‰ an All-Silica Zeolite with an Unusual Framework Topology. Chemistry of Materials, 2007, 19, 3924-3932.	3.2	39
126	The syntheses and crystal structures of two novel aluminum selenites, Al2(SeO3)3 Â· 6H2O and AlH(SeO3)2 Â· 2H2O. Journal of Solid State Chemistry, 1991, 94, 227-235.	1.4	38

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127	Synthesis and computer modelling of hydroxy-derivatised carbosilane dendrimers based on polyhedral silsesquioxane cores. Dalton Transactions RSC, 2001, , 3261-3268.	2.3	38
128	Structure and NMR assignment in AlPO4-15: A combined study by diffraction, MAS NMR and first-principles calculations. Solid State Sciences, 2009, 11, 1001-1006.	1.5	38
129	Synthesis and crystal structure of the first scandium-containing open framework solidElectronic supplementary information (ESI) available: crystallographic tables, TGA and TG-MS, le Bail plot and Rietveld fit. See http://www.rsc.org/suppdata/cc/b2/b202500k/. Chemical Communications, 2002, , 1180-1181.	2.2	37
130	Postâ€Synthesis Stabilization of Germanosilicate Zeolites ITH, IWW, and UTL by Substitution of Ge for Al. Chemistry - A European Journal, 2016, 22, 17377-17386.	1.7	36
131	New avenues for mechanochemistry in zeolite science. Dalton Transactions, 2021, 50, 8995-9009.	1.6	36
132	Pair distribution function-derived mechanism of a single-crystal to disordered to single-crystal transformation in a hemilabile metalâ€“organic framework. Chemical Science, 2012, 3, 2559.	3.7	34
133	A single crystal study of CPO-27 and UTSA-74 for nitric oxide storage and release. CrystEngComm, 2019, 21, 1857-1861.	1.3	34
134	In Situ Comparison of Ionothermal Kinetics Under Microwave And Conventional Heating. Journal of Physical Chemistry C, 2009, 113, 20553-20558.	1.5	33
135	Post-synthetic incorporation of nickel into CPO-27(Mg) to give materials with enhanced permanent porosity. CrystEngComm, 2013, 15, 9779.	1.3	33
136	¹⁷O NMR spectroscopy of crystalline microporous materials. Chemical Science, 2021, 12, 5016-5036.	3.7	33
137	The synthesis and modification of aluminium phosphonates. Journal of Materials Chemistry, 1999, 9, 179-185.	6.7	32
138	The structure of phosphine-functionalised silsesquioxane-based dendrimers: a molecular dynamics study. Dalton Transactions, 2004, , 1665.	1.6	32
139	Nature of the Spin Liquid Ground State in a Breathing Kagome Compound Studied by NMR and Series Expansion. Physical Review Letters, 2017, 118, 237203.	2.9	32
140	A novel mixed-valence selenium(IV)/selenium(VI) oxo compound: crystal structure determination and x-ray absorption near edge structure study of erbium selenite(IV) selenate(VI) hydrate, Er(SeO3)(SeO4)1/2.cntdot.H2O. Inorganic Chemistry, 1992, 31, 4774-4777.	1.9	31
141	Hybrid Dendritic Molecules with Confined Chromophore Architecture to Tune Fluorescence Efficiency. Journal of Physical Chemistry B, 2008, 112, 16382-16392.	1.2	31
142	Synthetic control of framework zinc purinate crystallisation and properties of a large pore, decorated, mixed-linker RHO-type ZIF. Chemical Communications, 2012, 48, 6690.	2.2	31
143	From Doubleâ€Fourâ€Ring Germanosilicates to New Zeolites: In Silico Investigation. ChemPhysChem, 2014, 15, 2972-2976.	1.0	31
144	Synthesis and crystal structure of a gallium phosphate with 14-ring channels. Journal of Materials Chemistry, 1998, 8, 1607-1611.	6.7	30

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145	Hydrothermal Syntheses and Crystal Structures of Two New Iron Phosphates [C2N2H10]2+[Fe(HPO4)2(OH)]2â¯Â·H2O and KFe3(OH)2(PO4)2Â·2H2O. Journal of Solid State Chemistry, 1999, 142, 455-460.	1.4	30
146	Synthesis, characterization and control of faulting in STF/SFF topologies, a new family of intergrowth zeolitesElectronic supplementary information (ESI) available: details of DIFFaX simulations. See http://www.rsc.org/suppdata/jm/b3/b315643e/. Journal of Materials Chemistry, 2004, 14, 1982.	6.7	30
147	Layered microporous tin(iv) bisphosphonates. Dalton Transactions, 2007, , 2394-2404.	1.6	30
148	A new calcium trimellitate coordination polymer with a chain-like structure. Solid State Sciences, 2007, 9, 455-458.	1.5	30
149	Increasing the dimensionality of hybrid vanadium oxyfluorides using ionothermal synthesis. Dalton Transactions, 2010, 39, 6018.	1.6	30
150	Ionic liquids and deep eutectic mixtures as new solvents for the synthesis of vanadium fluorides and oxyfluorides. Dalton Transactions, 2011, 40, 4324.	1.6	30
151	Synthesis of aldehyde functionalised polyhedral oligomeric silsesquioxanes. Dalton Transactions RSC, 2001, , 1123-1127.	2.3	29
152	Cyclam as a Structure-Directing Agent in the Crystallization of Aluminophosphate Open Framework Materials from Fluoride Media. Journal of Solid State Chemistry, 2002, 167, 267-273.	1.4	29
153	Post-synthesis incorporation of Al into germanosilicate ITH zeolites: the influence of treatment conditions on the acidic properties and catalytic behavior in tetrahydropyranylation. Catalysis Science and Technology, 2015, 5, 2973-2984.	2.1	29
154	Vapour-phase-transport rearrangement technique for the synthesis of new zeolites. Nature Communications, 2019, 10, 5129.	5.8	29
155	Zeolitic and magnetic properties of a 24-membered ring porous nickel(II) phosphate, VSB-1. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 1999, 2, 387-392.	0.1	28
156	Synthesis and structure of a novel microporous gallophosphate, Na3Ga5(PO4)4O2(OH)2Â·2H2O. Journal of the Chemical Society Chemical Communications, 1995, , 843-844.	2.0	27
157	Structure-Directing Agent Location and Non-Centrosymmetric Structure of Fluoride-Containing Zeolite SSZ-55. Journal of Physical Chemistry B, 2006, 110, 5273-5278.	1.2	26
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