Russell E Morris

List of Publications by Year in Descending Order

261 papers	21,507 citations	66 h-index	142 g-index
288 ext. papers	23,258 ext. citations	9.3 avg, IF	7.09 L-index

#	Paper	IF	Citations
261	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications.. *Chemical Society Reviews*, **2022**,	58.5	17
260	Rapid Microwave-Assisted Synthesis and Electrode Optimization of Organic Anode Materials in Sodium-Ion Batteries.. *Small Methods*, **2021**, 5, e2101016	12.8	2
259	flow pair distribution function analysis to probe the assembly-disassembly-organisation-reassembly (ADOR) mechanism of zeolite IPC-2 synthesis.. *Materials Advances*, **2021**, 2, 7949-7955	3.3	1
258	Controlled Synthesis of Large Single Crystals of Metal-Organic Framework CPO-27-Ni Prepared by a Modulation Approach: In situ Single-Crystal X-ray Diffraction Studies. *Chemistry - A European Journal*, **2021**, 27, 8537-8546	4.8	1
257	Structure Effects Induced by High Mechanical Compaction of STAM-17-OEt MOF Powders. *European Journal of Inorganic Chemistry*, **2021**, 2021, 2334-2342	2.3	2
256	2021 roadmap for sodium-ion batteries. *JPhys Energy*, **2021**, 3, 031503	4.9	24
255	New avenues for mechanochemistry in zeolite science. *Dalton Transactions*, **2021**, 50, 8995-9009	4.3	8
254	O NMR spectroscopy of crystalline microporous materials. *Chemical Science*, **2021**, 12, 5016-5036	9.4	12
253	Reverse ADOR: reconstruction of UTL zeolite from layered IPC-1P. *Materials Advances*, **2021**, 2, 3862-3870	3.3	0
252	Antibacterial efficacy from NO-releasing MOF□olymer films. *Materials Advances*, **2020**, 1, 2509-2519	3.3	7
251	Mechanochemically assisted hydrolysis in the ADOR process. *Chemical Science*, **2020**, 11, 7060-7069	9.4	6
250	Following the unusual breathing behaviour of O-enriched mixed-metal (Al,Ga)-MIL-53 using NMR crystallography. *Physical Chemistry Chemical Physics*, **2020**, 22, 14514-14526	3.6	8
249	Radial artery access site complications during cardiac procedures, clinical implications and potential solutions: The role of nitric oxide. *World Journal of Cardiology*, **2020**, 12, 26-34	2.1	8
248	Synthetic and Crystallographic Investigation of the Layered Coordination Framework Copper-1,3-bis(4-carboxyphenyl)-5-ethoxybenzene. *Crystal Growth and Design*, **2020**, 20, 39-42	3.5	1
247	Advances in Organic Anode Materials for Na-/K-Ion Rechargeable Batteries. *ChemSusChem*, **2020**, 13, 4866-4884	8.3	24
246	Preventing Undesirable Structure Flexibility in Pyromellitate Metal Organic Frameworks. *European Journal of Inorganic Chemistry*, **2020**, 2020, 2537-2544	2.3	1
245	Multifaceted Study of the Interactions between CPO-27-Ni and Polyurethane and Their Impact on Nitric Oxide Release Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 58263-58276	9.5	9

244	Conversion of a microwave synthesized alkali-metal MOF to a carbonaceous anode for Li-ion batteries.. *RSC Advances*, **2020**, 10, 13732-13736	3.7	6
243	A procedure for identifying possible products in the assembly-disassembly-organization-reassembly (ADOR) synthesis of zeolites. *Nature Protocols*, **2019**, 14, 781-794	18.8	14
242	Metal-Organic Framework-Activated Carbon Composite Materials for the Removal of Ammonia from Contaminated Airstreams. *Angewandte Chemie - International Edition*, **2019**, 58, 11747-11751	16.4	31
241	Metal□Organic Framework-Activated Carbon Composite Materials for the Removal of Ammonia from Contaminated Airstreams. *Angewandte Chemie*, **2019**, 131, 11873-11877	3.6	1
240	C pNMR of "crumple zone" Cu(II) isophthalate metal-organic frameworks. *Solid State Nuclear Magnetic Resonance*, **2019**, 101, 44-50	3.1	10
239	Magneto-structural correlations of novel kagom□type metal organic frameworks. *Journal of Materials Chemistry C*, **2019**, 7, 6692-6697	7.1	5
238	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	13	24
237	Nitric oxide production from nitrite by a series of zeolites produced via the ADOR route. *Microporous and Mesoporous Materials*, **2019**, 280, 367-371	5.3	4
236	Sodium Naphthalene-2,6-dicarboxylate: An Anode for Sodium Batteries. *ChemSusChem*, **2019**, 12, 4522-4528	8.3	11
235	Synthesis and structural characterisation of the copper MOF: STAM-NMe2. *CrystEngComm*, **2019**, 21, 5387-5391	3.3	3
234	Separating out the middle. *Nature Materials*, **2019**, 18, 910-911	27	6
233	Fast room temperature lability of aluminosilicate zeolites. *Nature Communications*, **2019**, 10, 4690	17.4	40
232	Multitechnique Analysis of the Hydration in Three Different Copper Paddle-Wheel Metal□Organic Frameworks. *Journal of Physical Chemistry C*, **2019**, 123, 28219-28232	3.8	5
231	Vapour-phase-transport rearrangement technique for the synthesis of new zeolites. *Nature Communications*, **2019**, 10, 5129	17.4	16
230	Kinetics and Mechanism of the Hydrolysis and Rearrangement Processes within the Assembly-Disassembly-Organization-Reassembly Synthesis of Zeolites. *Journal of the American Chemical Society*, **2019**, 141, 4453-4459	16.4	9
229	A single crystal study of CPO-27 and UTSA-74 for nitric oxide storage and release. *CrystEngComm*, **2019**, 21, 1857-1861	3.3	15
228	Proton-Coupled Electron Transfer Enhances the Electrocatalytic Reduction of Nitrite to NO in a Bioinspired Copper Complex. *ACS Catalysis*, **2018**, 8, 5070-5084	13.1	23
227	Monitoring the assembly□disassembly□organisation□reassembly process of germanosilicate UTL through in situ pair distribution function analysis. *Journal of Materials Chemistry A*, **2018**, 6, 17011-17018	13	12

226	Solvent Dependent Disorder in M2(BzOip)2(H2O)·Solvate (M = Co or Zn). *Crystals*, **2018**, 8, 6	2.3	0
225	Gate-Opening Mechanism of Hydrophilic−Hydrophobic Metal−Organic Frameworks: Molecular Simulations and Quasi-Equilibrated Desorption. *Chemistry of Materials*, **2018**, 30, 5116-5127	9.6	10
224	Hydrolytic stability in hemilabile metal-organic frameworks. *Nature Chemistry*, **2018**, 10, 1096-1102	17.6	88
223	Cost-effective O enrichment and NMR spectroscopy of mixed-metal terephthalate metal-organic frameworks. *Chemical Science*, **2018**, 9, 850-859	9.4	35
222	Pressure-induced chemistry for the 2D to 3D transformation of zeolites. *Journal of Materials Chemistry A*, **2018**, 6, 5255-5259	13	13
221	Insight into the ADOR zeolite-to-zeolite transformation: the UOV case. *Dalton Transactions*, **2018**, 47, 3084-3092	4.3	7
220	A comparison of copper and acid site zeolites for the production of nitric oxide for biomedical applications. *Dalton Transactions*, **2017**, 46, 3915-3920	4.3	7
219	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	17.6	42
218	Microwave heating and the fast ADOR process for preparing zeolites. *Journal of Materials Chemistry A*, **2017**, 5, 8037-8043	13	8
217	Assembly−Disassembly−Organization−Reassembly Synthesis of Zeolites Based on cfi-Type Layers. *Chemistry of Materials*, **2017**, 29, 5605-5611	9.6	46
216	Low temperature synthesis study of metal-organic framework CPO-27: investigating metal, solvent and base effects down to -78 °C. *Dalton Transactions*, **2017**, 46, 8298-8303	4.3	16
215	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPC-12 from Zeolite UOV. *Angewandte Chemie - International Edition*, **2017**, 56, 4324-4327	16.4	56
214	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPC-12 from Zeolite UOV. *Angewandte Chemie*, **2017**, 129, 4388-4391	3.6	11
213	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	16.4	35
212	Nature of the Spin Liquid Ground State in a Breathing Kagome Compound Studied by NMR and Series Expansion. *Physical Review Letters*, **2017**, 118, 237203	7.4	17
211	Functionalised solids delivering bioactive nitric oxide gas for therapeutic applications. *Materials Today Communications*, **2017**, 12, 95-105	2.5	18
210	Coordination change, lability and hemilability in metal-organic frameworks. *Chemical Society Reviews*, **2017**, 46, 5444-5462	58.5	151
209	Physisorption-induced structural change directing carbon monoxide chemisorption and nitric oxide coordination on hemilabile porous metal organic framework NaNi3(OH)(SIP)2(H2O)5·H2O (SIP = 5-sulfoisophthalate). *Journal of Materials Chemistry A*, **2017**, 5, 23577-23591	13	4

208	Ionothermal synthesis and characterization of CoAPO-34 molecular sieve. *Microporous and Mesoporous Materials*, **2017**, 239, 336-341	5.3	15
207	Microporous Materials in Antibacterial Applications **2017**, 171-188		3
206	Atomic-resolution analysis of the structure and dopants of beam sensitive ordered porous materials **2016**, 774-775		
205	Coordination Polymers of 5-Alkoxy Isophthalic Acids. *Crystal Growth and Design*, **2016**, 16, 5771-5780	3.5	8
204	Combined PDF and Rietveld studies of ADORable zeolites and the disordered intermediate IPC-1P. *Dalton Transactions*, **2016**, 45, 14124-30	4.3	6
203	Post-Synthesis Stabilization of Germanosilicate Zeolites ITH, IWW, and UTL by Substitution of Ge for Al. *Chemistry - A European Journal*, **2016**, 22, 17377-17386	4.8	24
202	Synthesis of Zeolites Using the ADOR (Assembly-Disassembly-Organization-Reassembly) Route. *Journal of Visualized Experiments*, **2016**, e53463	1.6	3
201	Crystal structure resolution of two different chlorhexidine salts. *Journal of Molecular Structure*, **2016**, 1121, 70-73	3.4	2
200	Coordination polymers of 5-substituted isophthalic acid. *CrystEngComm*, **2016**, 18, 1123-1132	3.3	6
199	Synthesis and crystallographic characterisation of Mg(H 2 dhtp)(H 2 O) 5 ·H 2 O. *Inorganic Chemistry Communication*, **2016**, 65, 21-23	3.1	12
198	Tuning the nitric oxide release from CPO-27 MOFs. *RSC Advances*, **2016**, 6, 14059-14067	3.7	43
197	Selective oxidation of bulky organic sulphides over layered titanosilicate catalysts. *Catalysis Science and Technology*, **2016**, 6, 2775-2786	5.5	33
196	Zeolite-derived hybrid materials with adjustable organic pillars. *Chemical Science*, **2016**, 7, 3589-3601	9.4	24
195	Water based scale-up of CPO-27 synthesis for nitric oxide delivery. *Dalton Transactions*, **2016**, 45, 618-29	4.3	33
194	The effect of UTL layer connectivity in isoreticular zeolites on the catalytic performance in toluene alkylation. *Catalysis Today*, **2016**, 277, 55-60	5.3	10
193	Synthesis of 'unfeasible' zeolites. *Nature Chemistry*, **2016**, 8, 58-62	17.6	146
192	Structural analysis of IPC zeolites and related materials using positron annihilation spectroscopy and high-resolution argon adsorption. *Physical Chemistry Chemical Physics*, **2016**, 18, 15269-77	3.6	17
191	Gradual release of strongly bound nitric oxide from Fe(NO)(dobdc). *Journal of the American Chemical Society*, **2015**, 137, 3466-9	16.4	65

190	Tuning the nitric oxide release behavior of amino functionalized HKUST-1. *Microporous and Mesoporous Materials*, **2015**, 216, 118-126	5.3	30
189	Exploiting chemically selective weakness in solids as a route to new porous materials. *Nature Chemistry*, **2015**, 7, 381-8	17.6	141
188	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	5.5	23
187	The ADOR mechanism for the synthesis of new zeolites. *Chemical Society Reviews*, **2015**, 44, 7177-206	58.5	213
186	Coordination polymers of Zn(II) and 5-methoxy isophthalate. *Dalton Transactions*, **2015**, 44, 17686-95	4.3	9
185	Incorporation of cisplatin into the metal□rganic frameworks UiO66-NH2 and UiO66 □ encapsulation vs. conjugation. *RSC Advances*, **2015**, 5, 83648-83656	3.7	47
184	Extending the Family of V(4+) S=(1/2) Kagome Antiferromagnets. *Angewandte Chemie - International Edition*, **2015**, 54, 15457-61	16.4	12
183	Extending the Family of V4+ S=${{ 1/2 }}$ Kagome Antiferromagnets. *Angewandte Chemie*, **2015**, 127, 15677-15681	3.6	2
182	A hybrid vanadium fluoride with structurally isolated S = 1 kagome layers. *Dalton Transactions*, **2014** , 43, 6304-7	4.3	8
181	Two-dimensional zeolites: current status and perspectives. *Chemical Reviews*, **2014**, 114, 4807-37	68.1	520
180	Synthesis and structural characterization of a single-crystal to single-crystal transformable coordination polymer. *Dalton Transactions*, **2014**, 43, 1519-23	4.3	14
179	Ultrasound-driven preparation and pair distribution function-assisted structure solution of a copper-based layered coordination polymer. *Dalton Transactions*, **2014**, 43, 10438-42	4.3	9
178	The effect of pressure on the post-synthetic modification of a nanoporous metal-organic framework. *Nanoscale*, **2014**, 6, 4163-73	7.7	34
177	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, 23908-14	3.6	39
176	Structural diversity in hybrid vanadium(IV) oxyfluorides based on a common building block. *Dalton Transactions*, **2014**, 43, 568-75	4.3	22
175	Germanosilicate Precursors of ADORable Zeolites Obtained by Disassembly of ITH, ITR, and IWR Zeolites. *Chemistry of Materials*, **2014**, 26, 5789-5798	9.6	51
174	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, 630-3	16.4	79
173	Zeolites with continuously tuneable porosity. *Angewandte Chemie - International Edition*, **2014**, 53, 13210-4	16.4	82

172	Multirate delivery of multiple therapeutic agents from metal-organic frameworks. *APL Materials*, **2014**, 2, 124108	5.7	52
171	SR study of a quantum spin liquid candidate: the S=1/2 vanadium oxyfluoride kagome antiferromagnet. *Journal of Physics: Conference Series*, **2014**, 551, 012004	0.3	5
170	Zeolites with Continuously Tuneable Porosity. *Angewandte Chemie*, **2014**, 126, 13426-13430	3.6	22
169	Porous, rigid metal(III)-carboxylate metal-organic frameworks for the delivery of nitric oxide. *APL Materials*, **2014**, 2, 124112	5.7	52
168	Ionic Liquid assisted Synthesis of Zeolite-TON. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2014**, 640, 1177-1181	1.3	13
167	The assembly-disassembly-organization-reassembly mechanism for 3D-2D-3D transformation of germanosilicate IWW zeolite. *Angewandte Chemie - International Edition*, **2014**, 53, 7048-52	16.4	52
166	The Assembly-Disassembly-Organization-Reassembly Mechanism for 3D-2D-3D Transformation of Germanosilicate IWW Zeolite. *Angewandte Chemie*, **2014**, 126, 7168-7172	3.6	22
165	From double-four-ring germanosilicates to new zeolites: in silico investigation. *ChemPhysChem*, **2014**, 15, 2972-6	3.2	23
164	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	3.5	46
163	Metal□rganic frameworks as potential multi-carriers of drugs. *CrystEngComm*, **2013**, 15, 9364	3.3	61
162	Controlling interpenetration in metal□rganic frameworks by tuning the conformations of flexible bis(triazole) ligands. *CrystEngComm*, **2013**, 15, 9437	3.3	23
161	Post-synthetic incorporation of nickel into CPO-27(Mg) to give materials with enhanced permanent porosity. *CrystEngComm*, **2013**, 15, 9779	3.3	29
160	Solventless synthesis of zeolites. *Angewandte Chemie - International Edition*, **2013**, 52, 2163-5	16.4	81
159	Structure and spectroscopy of hydrogen adsorbed in a nickel metal□rganic framework. *Chemical Physics*, **2013**, 427, 3-8	2.3	19
158	3D to 2D Routes to Ultrathin and Expanded Zeolitic Materials. *Chemistry of Materials*, **2013**, 25, 542-547	9.6	66
157	High-resolution solid-state 13C NMR spectroscopy of the paramagnetic metal-organic frameworks, STAM-1 and HKUST-1. *Physical Chemistry Chemical Physics*, **2013**, 15, 919-29	3.6	56
156	Nitric Oxide Adsorption and Delivery in Flexible MIL-88(Fe) Metal□rganic Frameworks. *Chemistry of Materials*, **2013**, 25, 1592-1599	9.6	199
155	A rare example of a porous Ca-MOF for the controlled release of biologically active NO. *Chemical Communications*, **2013**, 49, 7773-5	5.8	120

154	A solid with a hierarchical tetramodal micro-meso-macro pore size distribution. *Nature Communications*, **2013**, 4, 2015	17.4	73
153	Gapless spin liquid ground state in the S = 1/2 vanadium oxyfluoride kagome antiferromagnet [NH4]2[C7H14N][V7O6F18]. *Physical Review Letters*, **2013**, 110, 207208	7.4	92
152	A family of zeolites with controlled pore size prepared using a top-down method. *Nature Chemistry*, **2013**, 5, 628-33	17.6	309
151	Medical Applications of Solid Nitrosyl Complexes. *Structure and Bonding*, **2013**, 225-256	0.9	3
150	L□ungsmittelfreie Synthese von Zeolithen. *Angewandte Chemie*, **2013**, 125, 2217-2219	3.6	13
149	A new family of two-dimensional zeolites prepared from the intermediate layered precursor IPC-3P obtained during the synthesis of TUN zeolite. *Chemistry - A European Journal*, **2013**, 19, 13937-45	4.8	19
148	Pair distribution function-derived mechanism of a single-crystal to disordered to single-crystal transformation in a hemilabile metal□organic framework. *Chemical Science*, **2012**, 3, 2559	9.4	30
147	Multifunctional lanthanum tetraphosphonates: flexible, ultramicroporous and proton-conducting hybrid frameworks. *Dalton Transactions*, **2012**, 41, 4045-51	4.3	81
146	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	5.8	27
145	Ionothermal 17O enrichment of oxides using microlitre quantities of labelled water. *Chemical Science*, **2012**, 3, 2293	9.4	52
144	Metal-organic frameworks for the storage and delivery of biologically active hydrogen sulfide. *Dalton Transactions*, **2012**, 41, 4060-6	4.3	116
143	EPR and magnetic studies of a novel copper metal organic framework (STAM-I). *Chemical Physics Letters*, **2012**, 544, 17-21	2.5	37
142	Metal-organic frameworks in biomedicine. *Chemical Reviews*, **2012**, 112, 1232-68	68.1	3131
141	Biomedical Applications of Metal□Organic Frameworks **2011**, 213-250		15
140	An ionothermally prepared S´=´1/2 vanadium oxyfluoride kagome lattice. *Nature Chemistry*, **2011**, 3, 801-6	17.6	122
139	Synthesis of hybrid dendritic molecules with diazaphospholidine oxide grafted at the surface of octavinylsilsesquioxane (OVS). *Organic and Biomolecular Chemistry*, **2011**, 9, 1189-200	3.9	8
138	Protecting group and switchable pore-discriminating adsorption properties of a hydrophilic-hydrophobic metal-organic framework. *Nature Chemistry*, **2011**, 3, 304-10	17.6	131
137	Solvothermal aluminophosphate zeotype synthesis with ionic liquid precursors. *Dalton Transactions* , **2011**, 40, 4926-32	4.3	16

136	Ionic liquids and deep eutectic mixtures as new solvents for the synthesis of vanadium fluorides and oxyfluorides. *Dalton Transactions*, **2011**, 40, 4324-31	4.3	27
135	Induction of chiral porous solids containing only achiral building blocks. *Nature Chemistry*, **2010**, 2, 353-61	17.6	472
134	Ionothermal Synthesis of Zeolites and Other Porous Materials **2010**, 87-105		4
133	In situ single-crystal diffraction studies of the structural transition of metal-organic framework copper 5-sulfoisophthalate, Cu-SIP-3. *Journal of the American Chemical Society*, **2010**, 132, 3605-11	16.4	87
132	The use of ionic liquids in the synthesis of zinc imidazolate frameworks. *Dalton Transactions*, **2010**, 39, 1758-62	4.3	46
131	Task specific ionic liquids for the ionothermal synthesis of siliceous zeolites. *Chemical Science*, **2010**, 1, 483	9.4	75
130	Increasing the dimensionality of hybrid vanadium oxyfluorides using ionothermal synthesis. *Dalton Transactions*, **2010**, 39, 6018-20	4.3	30
129	Ionothermal synthesis and crystal structures of metal phosphate chains. *Journal of Solid State Chemistry*, **2010**, 183, 1625-1631	3.3	11
128	EPR on Medically Relevant NO Adsorbed to Zn-LTA. *Applied Magnetic Resonance*, **2010**, 37, 619-627	0.8	3
127	Some Difficult Challenges for the Synthesis of Nanoporous Materials. *Topics in Catalysis*, **2010**, 53, 1291-1296	2.3	25
126	The ionothermal synthesis of metal organic frameworks, Ln(C9O6H3)((CH3NH)2CO)2, using deep eutectic solvents. *Solid State Sciences*, **2010**, 12, 418-421	3.4	44
125	BioMOFs: metal-organic frameworks for biological and medical applications. *Angewandte Chemie - International Edition*, **2010**, 49, 6260-6	16.4	932
124	Comparing quantum-chemical calculation methods for structural investigation of zeolite crystal structures by solid-state NMR spectroscopy. *Magnetic Resonance in Chemistry*, **2010**, 48 Suppl 1, S113-21	2.1	52
123	Metal organic frameworks as NO delivery materials for biological applications. *Microporous and Mesoporous Materials*, **2010**, 129, 330-334	5.3	186
122	NO-loaded Zn(2+)-exchanged zeolite materials: a potential bifunctional anti-bacterial strategy. *Acta Biomaterialia*, **2010**, 6, 1515-21	10.8	85
121	The role of added water in the ionothermal synthesis of microporous aluminium phosphates. *Solid State Sciences*, **2009**, 11, 411-416	3.4	43
120	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	3.4	36
119	How does your MOF grow?. *ChemPhysChem*, **2009**, 10, 327-9	3.2	49

118	Ionothermal synthesis of zirconium phosphates and their catalytic behavior in the selective oxidation of cyclohexane. *Angewandte Chemie - International Edition*, **2009**, 48, 2206-9	16.4	82
117	Simultaneous Gas Storage and Catalytic Gas Production Using Zeolites: A New Concept for Extending Lifetime Gas Delivery. *Topics in Catalysis*, **2009**, 52, 35-41	2.3	20
116	A prototype environmental gas cell forin situsmall-molecule X-ray diffraction. *Journal of Applied Crystallography*, **2009**, 42, 457-460	3.8	13
115	Chemically blockable transformation and ultraselective low-pressure gas adsorption in a non-porous metal organic framework. *Nature Chemistry*, **2009**, 1, 289-94	17.6	176
114	In Situ Comparison of Ionothermal Kinetics Under Microwave And Conventional Heating. *Journal of Physical Chemistry C*, **2009**, 113, 20553-20558	3.8	27
113	Early stage reversed crystal growth of zeolite A and its phase transformation to sodalite. *Journal of the American Chemical Society*, **2009**, 131, 17986-92	16.4	114
112	Ionothermal synthesis--ionic liquids as functional solvents in the preparation of crystalline materials. *Chemical Communications*, **2009**, 2990-8	5.8	388
111	Ionothermal synthesis of inorganic-organic hybrid materials containing perfluorinated aliphatic dicarboxylate ligands. *Dalton Transactions*, **2009**, 1131-5	4.3	26
110	Ionothermal synthesis of two novel metal organophosphonates. *Dalton Transactions*, **2009**, 795-9	4.3	19
109	A novel non-centrosymmetric metallophosphate-borate compound via ionothermal synthesis. *Dalton Transactions*, **2009**, 5287-9	4.3	41
108	Ionothermal synthesis, structure and characterization of three-dimensional zinc phosphates. *Dalton Transactions*, **2009**, 6715-8	4.3	21
107	Polyhedral Oligomeric Silsesquioxane Dendrimers. *Advances in Silicon Science*, **2009**, 121-139		4
106	Topically applied nitric oxide induces T-lymphocyte infiltration in human skin, but minimal inflammation. *Journal of Investigative Dermatology*, **2008**, 128, 352-60	4.3	90
105	Hydrogen-bond-directing effect in the ionothermal synthesis of metal coordination polymers. *Dalton Transactions*, **2008**, 3989-94	4.3	46
104	Pure Silica Zeolite-type Frameworks: A Structural Analysis. *Chemistry of Materials*, **2008**, 20, 1561-1570	9.6	72
103	Exceptional behavior over the whole adsorption-storage-delivery cycle for NO in porous metal organic frameworks. *Journal of the American Chemical Society*, **2008**, 130, 10440-4	16.4	357
102	Synthesis of functional cubes from octavinylsilsesquioxane (OVS). *Organic and Biomolecular Chemistry*, **2008**, 6, 4662-7	3.9	58
101	Hybrid dendritic molecules with confined chromophore architecture to tune fluorescence efficiency. *Journal of Physical Chemistry B*, **2008**, 112, 16382-92	3.4	28

100	Simultaneous and cooperative gas storage and gas production using bifunctional zeolites. *Chemical Communications*, **2008**, 6146-8	5.8	13
99	A comparison of zeolites and Metal Organic Frameworks as storage and delivery vehicles for biologically active nitric oxide. *Studies in Surface Science and Catalysis*, **2008**, 441-446	1.8	12
98	Concepts in the ionothermal synthesis of zeolites and metal organic frameworks. *Studies in Surface Science and Catalysis*, **2008**, 174, 33-42	1.8	8
97	Gas storage in nanoporous materials. *Angewandte Chemie - International Edition*, **2008**, 47, 4966-81	16.4	1325
96	Ionic liquids and microwaves--making zeolites for emerging applications. *Angewandte Chemie - International Edition*, **2008**, 47, 442-4	16.4	138
95	From non-porous crystalline to amorphous microporous metal(IV) bisphosphonates. *Microporous and Mesoporous Materials*, **2008**, 114, 322-336	5.3	20
94	Layered microporous tin(IV) bisphosphonates. *Dalton Transactions*, **2007**, 2394-404	4.3	27
93	Synthesis of microporous materials using macrocycles as structure directing agents. *Dalton Transactions*, **2007**, 5359-68	4.3	16
92	The Synthesis and Structure of SSZ-73: an All-Silica Zeolite with an Unusual Framework Topology. *Chemistry of Materials*, **2007**, 19, 3924-3932	9.6	33
91	Ionothermal synthesis of unusual choline-templated cobalt aluminophosphates. *Angewandte Chemie - International Edition*, **2007**, 46, 7839-43	16.4	125
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