

Cameron J Kepert

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5318012/cameron-j-kepert-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204
papers

14,134
citations

60
h-index

115
g-index

217
ext. papers

15,070
ext. citations

6.5
avg, IF

6.46
L-index

#	Paper	IF	Citations
204	Fluorescence Enhancement through Confined Oligomerization in Nanochannels: An Anthryl Oligomer in a Metal-Organic Framework 2021 , 3, 1599-1604		1
203	Spin-Crossover 2-D Hofmann Frameworks Incorporating an Amide-Functionalized Ligand: N-(pyridin-4-yl)benzamide. <i>Chemistry</i> , 2021 , 3, 360-372	2.1	0
202	Three Distinct Spin-Crossover Pathways in Halogen-Appended 2D Hofmann Frameworks. <i>Inorganic Chemistry</i> , 2021 , 60, 3871-3878	5.1	6
201	A new spin crossover Fe coordination environment in a two-fold interpenetrated 3-D Hofmann-type framework material. <i>Chemical Communications</i> , 2021 , 57, 85-88	5.8	6
200	A cofacial metal-organic framework based photocathode for carbon dioxide reduction. <i>Chemical Science</i> , 2021 , 12, 3608-3614	9.4	5
199	Dual-supramolecular contacts induce extreme Hofmann framework distortion and multi-stepped spin-crossover. <i>Dalton Transactions</i> , 2021 , 50, 1434-1442	4.3	3
198	Hierarchical Spin-Crossover Cooperativity in Hybrid 1D Chains of Fe -1,2,4-Triazole Trimers Linked by [Au(CN)] Bridges. <i>Chemistry - A European Journal</i> , 2021 , 27, 5136-5141	4.8	0
197	Tuneable CO2 binding enthalpies by redox modulation of an electroactive MOF-74 framework. <i>Materials Advances</i> , 2021 , 2, 2112-2119	3.3	1
196	Substituent effects on through-space intervalence charge transfer in cofacial metal-organic frameworks. <i>Faraday Discussions</i> , 2021 , 231, 152-167	3.6	0
195	Quantification of the mixed-valence and intervalence charge transfer properties of a cofacial metal-organic framework single crystal electronic absorption spectroscopy. <i>Chemical Science</i> , 2020 , 11, 5213-5220	9.4	8
194	Guest Removal and External Pressure Variation Induce Spin Crossover in Halogen-Functionalized 2-D Hofmann Frameworks. <i>Inorganic Chemistry</i> , 2020 , 59, 14296-14305	5.1	9
193	Influence of structure-activity relationships on through-space intervalence charge transfer in metal-organic frameworks with cofacial redox-active units. <i>Chemical Science</i> , 2019 , 10, 1392-1400	9.4	26
192	Heteroatom substitution effects in spin crossover dinuclear complexes. <i>Dalton Transactions</i> , 2019 , 48, 7337-7343	4.3	3
191	Through-Space Intervalence Charge Transfer as a Mechanism for Charge Delocalization in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6622-6630	16.4	82
190	High Spin to Low Spin Relaxation Regime Change in a Multistep 3D Spin-Crossover Material. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 314-319	2.3	2
189	Spectroscopic, electronic and computational properties of a mixed tetrachalcogenafulvalene and its charge transfer complex. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1092-1104	7.1	7
188	Continuous negative-to-positive tuning of thermal expansion achieved by controlled gas sorption in porous coordination frameworks. <i>Nature Communications</i> , 2018 , 9, 4873	17.4	20

187	Guest-Adaptable Spin Crossover Properties in a Dinuclear Species Underpinned by Supramolecular Interactions. <i>Inorganic Chemistry</i> , 2018 , 57, 14930-14938	5.1	15
186	Phase Control of Ferromagnetic Copper(II) Carbonate Coordination Polymers through Reagent Concentration. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 5223-5228	2.3	5
185	Solvent Effects on the Spin-Transition in a Series of Fe(II) Dinuclear Triple Helicate Compounds. <i>Crystals</i> , 2018 , 8, 376	2.3	6
184	Increasing spin crossover cooperativity in 2D Hofmann-type materials with guest molecule removal. <i>Chemical Science</i> , 2018 , 9, 5623-5629	9.4	50
183	Investigation of the High-Temperature Spin-Transition of a Mononuclear Iron(II) Complex Using X-ray Photoelectron Spectroscopy. <i>Inorganic Chemistry</i> , 2018 , 57, 6503-6510	5.1	5
182	Two new porous UiO-66-type zirconium frameworks; open aromatic N-donor sites and their post-synthetic methylation and metallation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5612-5618	13	27
181	Mixed-Component SulfoneSulfoxide Tagged Zinc IRMOFs: In Situ Ligand Oxidation, Carbon Dioxide, and Water Sorption Studies. <i>Crystal Growth and Design</i> , 2017 , 17, 2016-2023	3.5	15
180	Tunable Porous Coordination Polymers for the Capture, Recovery and Storage of Inhalation Anesthetics. <i>Chemistry - A European Journal</i> , 2017 , 23, 7871-7875	4.8	16
179	Structure and Magnetic Studies on a Series of Two-Dimensional Iron(II) Framework Materials with Varying Ligand Characteristics. <i>Australian Journal of Chemistry</i> , 2017 , 70, 623	1.2	3
178	Guest Programmable Multistep Spin Crossover in a Porous 2-D Hofmann-Type Material. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1330-1335	16.4	119
177	Spin crossover-induced colossal positive and negative thermal expansion in a nanoporous coordination framework material. <i>Nature Communications</i> , 2017 , 8, 1053	17.4	57
176	Photoactive and Physical Properties of an Azobenzene-Containing Coordination Framework. <i>Australian Journal of Chemistry</i> , 2017 , 70, 1171	1.2	8
175	Spin-State Patterning in an Iron(II) Tripodal Spin-Crossover Complex. <i>ACS Omega</i> , 2017 , 2, 3349-3353	3.9	6
174	Four-step iron(ii) spin state cascade driven by antagonistic solid state interactions. <i>Chemical Science</i> , 2017 , 8, 701-707	9.4	60
173	Investigation of the Spin Crossover Properties of Three Dinuclear Fe(II) Triple Helicates by Variation of the Steric Nature of the Ligand Type. <i>Inorganics</i> , 2017 , 5, 62	2.9	14
172	Hysteretic Four-Step Spin Crossover within a Three-Dimensional Porous Hofmann-like Material. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15105-15109	16.4	81
171	Hysteretic Four-Step Spin Crossover within a Three-Dimensional Porous Hofmann-like Material. <i>Angewandte Chemie</i> , 2016 , 128, 15329-15333	3.6	18
170	Commensurate CO ₂ Capture, and Shape Selectivity for HCCH over H ₂ CCH ₂ , in Zigzag Channels of a Robust Cu(I)(CN)(L) Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2016 , 55, 6195-200	5.1	17

169	Extreme compressibility in LnFe(CN) ₆ coordination framework materials via molecular gears and torsion springs. <i>Nature Chemistry</i> , 2016 , 8, 270-5	17.6	56
168	Structure and Magnetic Properties of the Spin Crossover Linear Trinuclear Complex [Fe ₃ (furtrz) ₆ (ptol) ₂ (MeOH) ₄] ₄ (ptol) ₄ (MeOH) (furtrz: furanylidene-4H-1,2,4-triazol-4-amine ptol: p-tolylsulfonate). <i>Magnetochemistry</i> , 2016 , 2, 7	3.1	12
167	Flexible Yttrium Coordination Geometry Inhibits Bare-Metal-Guest Interactions in the Metal-Organic Framework Y(btc). <i>Energies</i> , 2016 , 9, 836	3.1	
166	Exploiting Pressure To Induce a "Guest-Blocked" Spin Transition in a Framework Material. <i>Inorganic Chemistry</i> , 2016 , 55, 10490-10498	5.1	30
165	The electronic, optical and magnetic consequences of delocalization in multifunctional donor-acceptor organic polymers. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 11252-9	3.6	17
164	Structures, Electrochemical and Spectral Properties of a Series of [MnN(CN) ₃ (diimine)] ⁺ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2752-2757	2.3	2
163	Reversible Guest Binding in a Non-Porous Fe(II) Coordination Polymer Host Toggles Spin Crossover. <i>Chemistry - A European Journal</i> , 2015 , 21, 16066-72	4.8	37
162	Strong interplay between the electron spin lifetime in chemically synthesized graphene multilayers and surface-bound oxygen. <i>Chemistry - A European Journal</i> , 2015 , 21, 770-7	4.8	11
161	Interpenetration as a mechanism for negative thermal expansion in the metal-organic framework Cu ₃ (btb) ₂ (MOF-14). <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5175-8	16.4	38
160	Self-assembly of an imidazolate-bridged Fe(III)/Cu(II) heterometallic cage. <i>Inorganic Chemistry</i> , 2014 , 53, 688-90	5.1	59
159	Interpenetration as a Mechanism for Negative Thermal Expansion in the Metal-Organic Framework Cu ₃ (btb) ₂ (MOF-14). <i>Angewandte Chemie</i> , 2014 , 126, 5275-5278	3.6	19
158	Selective gas adsorption in a pair of robust isostructural MOFs differing in framework charge and anion loading. <i>Inorganic Chemistry</i> , 2014 , 53, 12076-83	5.1	28
157	Spin crossover intermediate plateau stabilization in a flexible 2-D Hofmann-type coordination polymer. <i>Chemical Communications</i> , 2014 , 50, 3838-40	5.8	65
156	Multifunctional MOFs through CO ₂ fixation: a metamagnetic kagome lattice with uniaxial zero thermal expansion and reversible guest sorption. <i>Dalton Transactions</i> , 2014 , 43, 14766-71	4.3	19
155	Highly unusual interpenetration isomers of electroactive nickel bis(dithiolene) coordination frameworks. <i>Chemical Communications</i> , 2014 , 50, 12772-4	5.8	10
154	Synthesis and analysis of the anticancer activity of platinum(II) complexes incorporating dipyridoquinoxaline variants. <i>Dalton Transactions</i> , 2014 , 43, 15566-75	4.3	24
153	Thermal- and light-induced spin-crossover bistability in a disrupted Hofmann-type 3D framework. <i>Inorganic Chemistry</i> , 2014 , 53, 7886-93	5.1	31
152	Guest Adsorption in the Nanoporous Metal-Organic Framework Cu ₃ (1,3,5-Benzenetricarboxylate) ₂ : Combined In Situ X-ray Diffraction and Vapor Sorption. <i>Chemistry of Materials</i> , 2014 , 26, 4712-4723	9.6	23

151	Oxygen chemisorption/desorption in a reversible single-crystal-to-single-crystal transformation. <i>Chemical Science</i> , 2014 , 5, 4017-4025	9.4	27
150	Perturbation of spin crossover behavior by covalent post-synthetic modification of a porous metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10164-8	16.4	62
149	Gas and vapor adsorption in octacyanometallate-based frameworks $Mn_2[M(CN)_8]$ ($M = W, Mo$) with exposed Mn^{2+} sites. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 884-889	6.7	11
148	Topotactic structural conversion and hydration-dependent thermal expansion in robust $LnMIII(CN)_6 \cdot nH_2O$ and flexible $ALnFeII(CN)_6 \cdot nH_2O$ frameworks ($A = Li, Na, K; Ln = La, Pr, Y; M = Co, Fe; 0 \leq n \leq 5$). <i>Chemical Science</i> , 2014 , 5, 3409	9.4	20
147	An investigation of photo- and pressure-induced effects in a pair of isostructural two-dimensional spin-crossover framework materials. <i>Chemistry - A European Journal</i> , 2014 , 20, 7448-57	4.8	22
146	Thermal Spin Crossover Behaviour of Two-Dimensional Hofmann-Type Coordination Polymers Incorporating Photoactive Ligands. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1563	1.2	20
145	Self-Assembly of an Octanuclear High-Spin FeII Molecular Cage. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1625	1.2	9
144	Magnetic, electrochemical and optical properties of a sulfate-bridged Co(II) imidazole dimer. <i>New Journal of Chemistry</i> , 2014 , 38, 5856-5860	3.6	11
143	Magnetic and Electronic Properties of Three New Hetero-Bimetallic Coordination Frameworks $[Ru_2(O_2CR)_4][Au(CN)_2]$ ($R = \text{Benzoic Acid, Furan-2-carboxylate, or Thiophen-2-carboxylate}$). <i>Australian Journal of Chemistry</i> , 2014 , 67, 1607	1.2	4
142	Experimental and computational studies of a multi-electron donor-acceptor ligand containing the thiazolo[5,4-d]thiazole core and its incorporation into a metal-organic framework. <i>Chemistry - A European Journal</i> , 2014 , 20, 17597-605	4.8	27
141	Perturbation of Spin Crossover Behavior by Covalent Post-Synthetic Modification of a Porous Metal-Organic Framework. <i>Angewandte Chemie</i> , 2014 , 126, 10328-10332	3.6	20
140	Host-guest adsorption behavior of deuterated methane and molecular oxygen in a porous rare-earth metal-organic framework. <i>Powder Diffraction</i> , 2014 , 29, S96-S101	1.8	3
139	Identification of bridged CO ₂ binding in a Prussian blue analogue using neutron powder diffraction. <i>Chemical Communications</i> , 2013 , 49, 9404-6	5.8	18
138	A porous Mn(V) coordination framework with PtS topology: assessment of the influence of a terminal nitride on CO ₂ sorption. <i>Dalton Transactions</i> , 2013 , 42, 13308-10	4.3	8
137	Negative Thermal Expansion in $LnCo(CN)_6$ ($Ln = La, Pr, Sm, Ho, Lu, Y$): Mechanisms and Compositional Trends. <i>Angewandte Chemie</i> , 2013 , 125, 5374-5378	3.6	20
136	Dynamic Photo-Switching in Metal-Organic Frameworks as a Route to Low-Energy Carbon Dioxide Capture and Release. <i>Angewandte Chemie</i> , 2013 , 125, 3783-3786	3.6	38
135	Dynamic photo-switching in metal-organic frameworks as a route to low-energy carbon dioxide capture and release. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3695-8	16.4	248
134	Effect of gas pressure on negative thermal expansion in MOF-5. <i>Chemical Communications</i> , 2013 , 49, 789-91	5.8	26

133	A Family of Three-Dimensional Molecular Framework Materials Containing the Three-Connecting Ligands 2,4,6-Tris(<i>n</i> '-pyridyl)-1,3,5-triazine: 3-tpt and 4-tpt. <i>Australian Journal of Chemistry</i> , 2013 , 66, 452 ^{1,2}	8
132	Negative thermal expansion in LnCo(CN) ₆ (Ln=La, Pr, Sm, Ho, Lu, Y): mechanisms and compositional trends. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5266-70	16.4 70
131	Solvent-modified dynamic porosity in chiral 3D kagome frameworks. <i>Dalton Transactions</i> , 2013 , 42, 7871-9 ³	49 32
130	Enhancing selective CO ₂ adsorption via chemical reduction of a redox-active metal-organic framework. <i>Dalton Transactions</i> , 2013 , 42, 9831-9	4-3 59
129	Application of the piperazine-grafted CuBTTri metal-organic framework in postcombustion carbon dioxide capture. <i>Microporous and Mesoporous Materials</i> , 2013 , 174, 74-80	5-3 36
128	Scrutinizing negative thermal expansion in MOF-5 by scattering techniques and ab initio calculations. <i>Dalton Transactions</i> , 2013 , 42, 1996-2007	4-3 49
127	Rücktitelbild: Dynamic Photo-Switching in Metal-Organic Frameworks as a Route to Low-Energy Carbon Dioxide Capture and Release (Angew. Chem. 13/2013). <i>Angewandte Chemie</i> , 2013 , 125, 3864-3864 ^{3,6}	3,6
126	[V ₁₆ O ₃₈ (CN) ₉] _n a soluble mixed-valence redox-active building block with strong antiferromagnetic coupling. <i>Inorganic Chemistry</i> , 2012 , 51, 9192-9	5-1 50
125	Hysteretic Three-Step Spin Crossover in a Thermo- and Photochromic 3D Pillared Hofmann-type Metal-Organic Framework. <i>Angewandte Chemie</i> , 2012 , 124, 10301-10305	3.6 37
124	Innentitelbild: Hysteretic Three-Step Spin Crossover in a Thermo- and Photochromic 3D Pillared Hofmann-type Metal-Organic Framework (Angew. Chem. 40/2012). <i>Angewandte Chemie</i> , 2012 , 124, 10084-10084 ^{3,6}	3,6
123	Hysteretic three-step spin crossover in a thermo- and photochromic 3D pillared Hofmann-type metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10154-8	16.4 131
122	A Family of Discrete Magnetically Switchable Nanoballs. <i>ChemPlusChem</i> , 2012 , 77, 616-623	2.8 11
121	Organosilane functionalization of halloysite nanotubes for enhanced loading and controlled release. <i>Nanotechnology</i> , 2012 , 23, 375705	3-4 103
120	Carbon dioxide adsorption by physisorption and chemisorption interactions in piperazine-grafted Ni ₂ (dobdc) (dobdc = 1,4-dioxido-2,5-benzenedicarboxylate). <i>Dalton Transactions</i> , 2012 , 41, 11739-44	4-3 29
119	A new modification of an old framework: Hofmann layers with unusual tetracyanidometallate groups. <i>Dalton Transactions</i> , 2011 , 40, 11621-8	4-3 17
118	Reversible and selective O ₂ chemisorption in a porous metal-organic host material. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10885-91	16.4 65
117	Self-assembled Co(II) molecular squares incorporating the bridging ligand 4,7-phenanthroline-5,6:5',6'-pyrazine. <i>Dalton Transactions</i> , 2011 , 40, 12388-93	4-3 4
116	Phase diagram, chemical stability and physical properties of the solid-solution Ba ₄ Nb ₂ O ₉ . <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2648-2654	3-3 10

115	New metal organic frameworks incorporating the ditopic macrocyclic ligand dipyridyldibenzotetraaza[14]annulene. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 71, 455-462		6
114	Structural diversity in coordination polymers constructed from a naphthalene-spaced dipyridyl ligand and iron(II) thiocyanate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 71, 381-388		5
113	A Mixed-Spin Molecular Square with a Hybrid [20]Grid/Metalloctahedral Architecture. <i>Angewandte Chemie</i> , 2011 , 123, 2872-2875	3.6	10
112	A mixed-spin molecular square with a hybrid [20]grid/metalloctahedral architecture. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2820-3	16.4	40
111	Laboratory-based separation techniques for insoluble compound mixtures: methods for the purification of metal-organic framework materials. <i>Dalton Transactions</i> , 2011 , 40, 7122-6	4.3	14
110	Structural Study of D2 within the Trimodal Pore System of a Metal Organic Framework. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8851-8857	3.8	29
109	Self-assembly of a metallomacrocyclic templated by iron(II). <i>Inorganic Chemistry</i> , 2011 , 50, 726-8	5.1	13
108	Metal-Organic Framework Materials 2010 , 1-67		2
107	Elucidating Negative Thermal Expansion in MOF-5. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16181-16188	3.8	157
106	Zero thermal expansion in a flexible, stable framework: tetramethylammonium copper(I) zinc(II) cyanide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10-1	16.4	89
105	Syntheses, Crystal Structures, and the Phase Transformation of Octacyanomethylate-Based LnIII/V Bimetallic Assemblies with Two-Dimensional Corrugated Layers. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3610-3614	2.3	14
104	Thermal- and light-induced spin crossover in a guest-dependent dinuclear iron(II) system. <i>Chemistry - A European Journal</i> , 2010 , 16, 1973-82	4.8	44
103	Metal-organic frameworks with exceptionally high methane uptake: where and how is methane stored?. <i>Chemistry - A European Journal</i> , 2010 , 16, 5205-14	4.8	208
102	Local vibrational mechanism for negative thermal expansion: a combined neutron scattering and first-principles study. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 585-8	16.4	82
101	Hierarchical self-assembly of a chiral metal-organic framework displaying pronounced porosity. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1075-8	16.4	83
100	Hydrogen adsorption in HKUST-1: a combined inelastic neutron scattering and first-principles study. <i>Nanotechnology</i> , 2009 , 20, 204025	3.4	106
99	Supramolecular Magnetic Materials. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1079	1.2	13
98	A nanoscale molecular switch triggered by thermal, light, and guest perturbation. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2549-52	16.4	153

97	Systematic metal variation and solvent and hydrogen-gas storage in supramolecular nanoballs. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8919-22	16.4	144
96	Dynamic interplay between spin-crossover and host-guest function in a nanoporous metal-organic framework material. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10998-1009	16.4	372
95	Guest tunable structure and spin crossover properties in a nanoporous coordination framework material. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12106-8	16.4	185
94	Synthesis, Crystal Structures, and Properties of Molecular Squares Displaying Hydrogen and π Bonded Networks. <i>Crystal Growth and Design</i> , 2009 , 9, 2734-2741	3.5	24
93	Thermal expansion matching via framework flexibility in zinc dicyanometallates. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6334-5	16.4	91
92	Functionalization of Halloysite Clay Nanotubes by Grafting with γ -Aminopropyltriethoxysilane. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15742-15751	3.8	687
91	Elucidating the mechanism of a two-step spin transition in a nanoporous metal-organic framework. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17552-62	16.4	166
90	Curly-curly, loop-loop: homoleptic metal(ii) complexes of pyridinecarbaldehyde 4'-(2,2':6',2''-terpyridyl)hydrazones and their coordination polymers. <i>Dalton Transactions</i> , 2008 , 6742-51	4.3	19
89	A nanoporous chiral metal-organic framework material that exhibits reversible guest adsorption. <i>Dalton Transactions</i> , 2008 , 6103-5	4.3	24
88	Vectorial property dependence in bis {4'-(n-pyridyl)-2,2':6',2''-terpyridine}iron(II) and ruthenium(II) complexes with n = 2, 3 and 4. <i>Dalton Transactions</i> , 2008 , 386-96	4.3	59
87	Understanding the two-step spin-transition phenomenon in Iron(II) 1D chain materials. <i>Chemistry - A European Journal</i> , 2008 , 14, 10123-33	4.8	95
86	Nanoporosity and exceptional negative thermal expansion in single-network cadmium cyanide. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1396-9	16.4	154
85	Negative thermal expansion in the metal-organic framework material $\text{Cu}_3(1,3,5\text{-benzenetricarboxylate})_2$. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8929-32	16.4	214
84	Expanding the 4,4'-bipyridine ligand: Structural variation in $\{M(\text{pytpy})_2\}^{2+}$ complexes (pytpy=4'-(4-pyridyl)-2,2':6',2''-terpyridine, M=Fe, Ni, Ru) and assembly of the hydrogen-bonded, one-dimensional polymer. <i>Inorganica Chimica Acta</i> , 2008 , 361, 2582-2590	2.7	54
83	Single-crystal to single-crystal structural transformation and photomagnetic properties of a porous iron(II) spin-crossover framework. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2869-76	16.4	218
82	The conjugate acid of bis{4'-(4-pyridyl)-2,2':6',2''-terpyridine}iron(II) as a self-complementary hydrogen-bonded building block. <i>CrystEngComm</i> , 2007 , 9, 1073	3.3	31
81	Structure, magnetism and photomagnetism of mixed-ligand tris(pyrazolyl)methane iron(ii) spin crossover compounds. <i>Dalton Transactions</i> , 2007 , 4413-26	4.3	40
80	Anion-solvent dependence of bistability in a family of meridional N-donor-ligand-containing iron(II) spin crossover complexes. <i>Inorganic Chemistry</i> , 2007 , 46, 8784-95	5.1	67

79	Mono- and Di-nuclear Gold(I) Complexes Containing 1,12-Dicarba-closo-dodecaborane(12). <i>Australian Journal of Chemistry</i> , 2007 , 60, 816	1.2	9
78	A thermal spin transition in a nanoporous iron(II) coordination framework material. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2059-62	16.4	105
77	Synthesis, crystal structure and magnetic properties of a three-dimensional cyano-bridged heterometallic complex $\{NiII(Me_6-[14]ane-N_4)\}_2[WIV(CN)_8] \cdot 6H_2O$. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 940-943	3.1	18
76	2,4,6-Tris(2-pyridylsulfanylmethyl)-1,3,5-triazine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o482-o484		1
75	The first example of a coordination polymer from the expanded 4,4'-bipyridine ligand $[Ru(pytpy)_2]^{2+}$ (pytpy = 4'-(4-pyridyl)-2,2':6',2'-terpyridine). <i>CrystEngComm</i> , 2007 , 9, 456-459	3.3	74
74	Structural Characterization of D2 in $Cu_3(1,3,5\text{-Benzenetricarboxylate})_2$ Using Neutron Powder Diffraction. <i>Materials Science Forum</i> , 2007 , 561-565, 1601-1604	0.4	2
73	Inelastic neutron scattering of H ₂ adsorbed in HKUST-1. <i>Journal of Alloys and Compounds</i> , 2007 , 446-447, 385-388	5.7	72
72	Structural and magnetic resolution of a two-step full spin-crossover transition in a dinuclear iron(II) pyridyl-bridged compound. <i>Chemistry - A European Journal</i> , 2006 , 12, 8220-7	4.8	93
71	Dehydration of the nanoporous coordination framework $ErIII[CoIII(CN)_6] \cdot 4(H_2O)$: single crystal to single crystal transformation and negative thermal expansion in $ErIII[CoIII(CN)_6]$. <i>Chemical Communications</i> , 2006 , 1857-9	5.8	70
70	Advanced functional properties in nanoporous coordination framework materials. <i>Chemical Communications</i> , 2006 , 695-700	5.8	418
69	Neutron powder diffraction study of D ₂ sorption in $Cu_3(1,3,5\text{-benzenetricarboxylate})_2$. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15578-9	16.4	252
68	Compositional dependence of negative thermal expansion in the Prussian Blue analogues $M(II)Pt(IV)(CN)_6$ (M = Mn, Fe, Co, Ni, Cu, Zn, Cd). <i>Journal of the American Chemical Society</i> , 2006 , 128, 7009-14	16.4	185
67	Single Crystal to Single Crystal Structural Transformations in Molecular Framework Materials. <i>Australian Journal of Chemistry</i> , 2006 , 59, 597	1.2	100
66	The Structural Systematics of Protonation of Some Important Nitrogen-base Ligands. I Some Univalent Anion Salts of Doubly Protonated 2, 2':6', 2'-Terpyridyl. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1293-1302	1.3	28
65	The Structural Systematics of Protonation of Some Important Nitrogen-base Ligands. III. Some (Univalent) Anion Salts of some Hindered Unidentate Nitrogen Bases. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1312-1325	1.3	19
64	The Structural Systematics of Protonation of Some Important Nitrogen-base Ligands. IV. Some Ethane-1,2-diaminium Univalent Anion Salt/1,10-Phenanthroline (Hydrate) Arrays. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1326-1339	1.3	8
63	3-Methyl-1-(3-methylpyridinium-4-yl)pyridinium dichloride monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o997-o998		1
62	Low energy phonons in the NTE compounds $Zn(CN)_2$ and $ZnPt(CN)_6$. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 60-62	2.8	28

61	Guest-dependent negative thermal expansion in nanoporous prussian blue analogues M(II)Pt(IV)(CN) ₆ .x{H ₂ O} (0 Journal of the American Chemical Society, 2005 , 127, 17980-1	16.4	188
60	Reversible ferromagnetic-antiferromagnetic transformation upon dehydration-hydration of the nanoporous coordination framework, [Co ₃ (OH) ₂ (C ₄ O ₄) ₂].3H ₂ O. <i>Chemical Communications</i> , 2005 , 3012-4	5.8	186
59	A highly distorted (10,3)-a coordination framework constructed from alternating T-shaped and trigonal nodes. <i>CrystEngComm</i> , 2005 , 7, 266	3.3	14
58	Reversible hydrogen gas uptake in nanoporous Prussian Blue analogues. <i>Chemical Communications</i> , 2005 , 3322-4	5.8	139
57	Synthesis and Characterization of SubcellSupercell Related Ethylenediamine-Pillared Zinc Hydroxysulfates. <i>Crystal Growth and Design</i> , 2005 , 5, 183-189	3.5	10
56	Iron(II) Molecular Framework Materials with 4,4'-Azopyridine. <i>Australian Journal of Chemistry</i> , 2005 , 58, 311	1.2	18
55	Direct observation of a transverse vibrational mechanism for negative thermal expansion in Zn(CN) ₂ : an atomic pair distribution function analysis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15630-6	16.4	188
54	New cobalt(II) and zinc(II) coordination frameworks incorporating a pyridyl-pyrazole ditopic ligand. <i>Dalton Transactions</i> , 2005 , 1598-601	4.3	22
53	Selective recovery of dynamic guest structure in a nanoporous prussian blue through in situ X-ray diffraction: a differential pair distribution function analysis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11232-3	16.4	78
52	Negative thermal expansion and low-frequency modes in cyanide-bridged framework materials. <i>Physical Review B</i> , 2005 , 71,	3.3	276
51	In situ single-crystal X-ray diffraction studies of desorption and sorption in a flexible nanoporous molecular framework material. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7891-900	16.4	150
50	New Cadmium(II) and Iron(II) Coordination Frameworks Incorporating a Di(4-pyridyl)isoindoline Ligand. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2470-2475	2.3	7
49	A three-dimensional hydrogen-bonded coordination framework:catena-poly[[[tetraaquairon(II)]-μ ₄ ,4'-bipyridine] benzene-1,4-dicarboxylate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, m113-m114		4
48	2,4,6-Tris(4-pyridylmethylsulfanyl)-1,3,5-triazine monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o1900-o1901		1
47	4-(4-Pyridylamino)pyridinium isophthalate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o3937-o3938		1
46	Nanoporosity of an interpenetrated NbO-type molecular framework studied by single crystal X-ray diffraction. <i>Chemical Communications</i> , 2004 , 2168-9	5.8	33
45	Binary metal(II)pyromellitate coordination polymers, M ₂ (pm) (M=Co, Fe, Mn): synthesis, structures and magnetic properties. <i>Polyhedron</i> , 2003 , 22, 1921-1927	2.7	35
44	Reversible guest exchange and ferrimagnetism (T(C) = 60.5 K) in a porous cobalt(II)-hydroxide layer structure pillared with trans-1,4-cyclohexanedicarboxylate. <i>Inorganic Chemistry</i> , 2003 , 42, 6709-22	5.1	206

43	Flexible sorption and transformation behavior in a microporous metal-organic framework. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9574-81	16.4	242
42	Construction of hydrogen-bonded and coordination-bonded networks of cobalt(II) with pyromellitate: synthesis, structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2002 , 41, 3410-22	5.1	224
41	Guest-dependent spin crossover in a nanoporous molecular framework material. <i>Science</i> , 2002 , 298, 1763-5	13.3	1339
40	MEM(TCNQ) ₂ at room temperature and 10 K, and the absence of a spin-Peierls transition. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001 , 57, 991-3		3
39	Adsorption dynamics of gases and vapors on the nanoporous metal organic framework material Ni ₂ (4,4'-bipyridine) ₃ (NO ₃) ₄ : guest modification of host sorption behavior. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10001-11	16.4	275
38	Muon-spin-rotation and magnetization study of metal-organic magnets based on the dicyanamide anion. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 2263-2270	1.8	7
37	Layered cobalt hydroxysulfates with both rigid and flexible organic pillars: synthesis, structure, porosity, and cooperative magnetism. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10584-94	16.4	196
36	Hydrogen Bond-Directed Hexagonal Frameworks Based on Coordinated 1,3,5-Benzenetricarboxylate. <i>Journal of Solid State Chemistry</i> , 2000 , 152, 261-270	3.3	48
35	A Versatile Family of Interconvertible Microporous Chiral Molecular Frameworks: The First Example of Ligand Control of Network Chirality. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5158-5168	16.4	565
34	Structural Systematics of Rare Earth Complexes. XI (Maximally) Hydrated Rare Earth(III) Trifluoro- and Trichloro-acetates. <i>Australian Journal of Chemistry</i> , 1999 , 52, 459	1.2	27
33	3D Long-Range Magnetic Ordering in Layered Metal Hydroxide Triangular Lattices 25 Apart. <i>Journal of Solid State Chemistry</i> , 1999 , 145, 452-459	3.3	57
32	Structural Properties of the Superconducting Salt (BEDT-TTF) ₃ Cl ₂ (H ₂ O) ₂ at Low Temperatures. <i>Journal of Solid State Chemistry</i> , 1999 , 145, 496-502	3.3	20
31	Structural Systematics of Rare Earth Complexes. X (Maximally) Hydrated Rare Earth Acetates. <i>Australian Journal of Chemistry</i> , 1999 , 52, 437	1.2	28
30	Syntheses, structures and magnetism of [Mn(dca) ₂], [Mn(dca) ₂ (H ₂ O) ₂], [Mn(dca) ₂ (C ₂ H ₅ OH) ₂], [Mn(dca) ₂ (CH ₃) ₂ CO], [Fe(dca) ₂ (CH ₃ OH) ₂] and [Mn(dca) ₂ (L) ₂], where L = pyridine, CH ₃ OH or DMF and dca ⁻ dicyanamide, N(CN) ₂ ⁻ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 2987-2997		179
29	The organo-pillared porous magnetic framework Co ₄ (SO ₄)(OH) ₆ (H ₂ NC ₂ H ₄ NH ₂) _{0.5} ·BH ₂ O. <i>Chemical Communications</i> , 1999 , 2307-2308	5.8	78
28	Structural Systematics of Rare Earth Complexes. XII Solvated 1 : 1 Adducts of Some Lanthanoid(III) Carboxylates with 1,10-Phenanthroline and 2,2':6',2'-Terpyridine. <i>Australian Journal of Chemistry</i> , 1999 , 52, 481	1.2	25
27	Structural Systematics of Rare Earth Complexes. XX (Maximally) Hydrated Rare Earth Sulfates and the Double Sulfates (NH ₄)Ln(SO ₄) ₂ ·4H ₂ O (Ln = La, Tb). <i>Australian Journal of Chemistry</i> , 1999 , 52, 601	1.2	32
26	Magnetic Materials Containing the Dicyanamide Anion, {N(Cn) ₂ } ⁻ . <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 334, 693-702		47

25	Zeolite-like crystal structure of an empty microporous molecular framework. <i>Chemical Communications</i> , 1999 , 375-376	5.8	271
24	Structural Systematics of Rare Earth Complexes. XXI Polymeric Sodium Bis(thiodiglycolato)neodymium(III). <i>Australian Journal of Chemistry</i> , 1999 , 52, 617	1.2	16
23	Molecular Conductors and Magnets: Structure - Property Relationships 1999 , 271-289		1
22	Desolvation of a Novel Microporous Hydrogen-Bonded Framework: Characterization by In Situ Single-Crystal and Powder X-ray Diffraction. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 3158-3160	16.4	97
21	Hard magnets based on transition metal complexes with the dicyanamide anion, {N(CN) ₂ } ⁻ . <i>New Journal of Chemistry</i> , 1998 , 22, 1515-1524	3.6	284
20	Low temperature crystal structure of the organic metal ([2H ₈]BEDT-TTF) ₄ Cl ₂ ·6D ₂ O [BEDT-TTF=bis(ethylenedithio)tetrathiafulvalene]. <i>Journal of Materials Chemistry</i> , 1998 , 8, 367-371		7
19	Crystal structures and physical properties of BEDT-TTF charge transfer salts with (Mo ₆ Cl ₈)X ₂ ·6 anions (BEDT-TTF = bis(ethylenedithio)-tetrathiafulvalene; X=Cl, Br). <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1998 , 454, 487-518	2.4	6
18	A porous chiral framework of coordinated 1,3,5-benzenetricarboxylate: quadruple interpenetration of the (10,3)-a network. <i>Chemical Communications</i> , 1998 , 31-32	5.8	156
17	Robust Microporous Molecular Frameworks Which Retain Structural Integrity Upon Template Loss. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 547, 511		
16	Semiconducting charge-transfer salts of BEDT-TTF[bis(ethylenedithio)tetrathiafulvalene] with hexachlorometallate(IV)anions. <i>Journal of Materials Chemistry</i> , 1997 , 7, 221-228		27
15	Quasi-one-dimensional bis(ethylenedithio)tetrathiafulvalene charge-transfer salts with paramagnetic Group 6 anions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 607-614		22
14	Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF) Charge Transfer Salts of Re ₂ (NCS) ₁₀ (n) ⁽⁻⁾ (n = 2, 3). <i>Inorganic Chemistry</i> , 1997 , 36, 1128-1135	5.1	21
13	Determining the charge distribution in BEDT-TTF salts. <i>Synthetic Metals</i> , 1997 , 86, 1973-1974	3.6	274
12	Magnetoresistance studies on (BEDT-TTF) ₄ (Mo ₆ Cl ₈)Cl ₆ ·xCH ₂ Cl ₂ under pressure. <i>Synthetic Metals</i> , 1997 , 86, 2003-2004	3.6	4
11	Crystal structures of (BEDT-TTF) ₃ CuBr ₄ at 10 K and 10 kbar. <i>Synthetic Metals</i> , 1997 , 86, 2045-2046	3.6	2
10	A study of the magnetoresistance of the charge-transfer salt at hydrostatic pressures of up to 20 kbar: evidence for a charge-density-wave ground state and the observation of pressure-induced superconductivity. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 6005-6017	1.8	31
9	New BEDT-TTF salts with transition-metal containing anions. <i>Synthetic Metals</i> , 1995 , 70, 767-770	3.6	6
8	Novel BEDT-TTF salts with magnetic anions [MoOCl ₄ (H ₂ O)] ⁻ and [Re ₂ (NCS) ₁₀] ³⁻ <i>Synthetic Metals</i> , 1995 , 70, 781-782	3.6	4

7	Tuning the carrier concentration in organic conductors: Synthesis and physical properties of BEDT-TTF salts with H ₂ PO ₄ ⁻ and HPO ₄ ²⁻ <i>Synthetic Metals</i> , 1995 , 70, 795-796	3.6	1
6	Structural Systematics of Rare Earth Complexes. VI. The Higher Hydrates of the Rare Earth Trichlorides. <i>Australian Journal of Chemistry</i> , 1994 , 47, 385	1.2	12
5	Structural Systematics of Rare Earth Complexes. V. The Hydrated 1 : 1 Adducts of 2,2':6',2'-Terpyridine With the Lanthanoid(III) Chlorides. <i>Australian Journal of Chemistry</i> , 1994 , 47, 365	1.2	46
4	Structural Systematics of Rare Earth Complexes. VII. Crystal Structure of Bis(2,2'/6',2'ESC-Terpyridinium) Octaaquaterbium(III) Heptachloride Hydrate. <i>Australian Journal of Chemistry</i> , 1994 , 47, 391	1.2	19
3	Charge-density study of deuterated ammonium ferrous Tutton salt at 85 K and comparison with CrII and CuII salts. <i>Acta Crystallographica Section B: Structural Science</i> , 1992 , 48, 753-761		2
2	Incommensurately modulated ZrO ₂ ·F ₂ x: 0.698 x 0.714. <i>Journal of Solid State Chemistry</i> , 1991 , 95, 111-125	3.3	12
1	Cooperativity in Spin Crossover Systems: Memory, Magnetism and Microporosity. <i>Topics in Current Chemistry</i> , 195-228		179