

# Philip Lightfoot

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/980227/philip-lightfoot-publications-by-year.pdf>

**Version:** 2024-04-28

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.

270  
papers

8,759  
citations

49  
h-index

80  
g-index

309  
ext. papers

9,434  
ext. citations

4.9  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
270	Polar Ferromagnet Induced by Fluorine Positioning in Isomeric Layered Copper Halide Perovskites.. <i>Inorganic Chemistry</i> , <b>2022</b> ,	5.1	5
269	Polarity and Ferromagnetism in Two-Dimensional Hybrid Copper Perovskites with Chlorinated Aromatic Spacers.. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2458-2467	9.6	4
268	Structural chemistry of layered lead halide perovskites containing single octahedral layers. <i>IUCrJ</i> , <b>2021</b> , 8, 485-513	4.7	10
267	Tilting and twisting in a novel perovzalate, KNaMn(CO). <i>Chemical Communications</i> , <b>2021</b> , 57, 2567-2570	5.8	6
266	Na <sub>2</sub> Fe(C <sub>2</sub> O <sub>4</sub> )(HPO <sub>4</sub> ): a promising new oxalate-phosphate based mixed polyanionic cathode for Li/Na ion batteries. <i>JPhys Materials</i> , <b>2021</b> , 4, 024004	4.2	3
265	Structural Features in Some Layered Hybrid Copper Chloride Perovskites: ACuCl or ACuCl. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11014-11024	5.1	6
264	New Variants of (110)-Oriented Layered Lead Bromide Perovskites, Templated by Formamidinium or Pyrazolium. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 3404-3411	2.3	2
263	Structural diversity in hybrid lead halides templated by 4-methylimidazolium. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 303, 122466	3.3	5
262	Structural Variations in Manganese Halide Chain Compounds Mediated by Methylimidazolium Isomers. <i>Crystals</i> , <b>2020</b> , 10, 930	2.3	4
261	Unprecedented tin iodide perovskite-like structures featuring ordering of organic moieties. <i>Chemical Communications</i> , <b>2020</b> , 56, 4543-4546	5.8	15
260	Phase transitions in the hexagonal tungsten bronze RbNbW <sub>2</sub> O <sub>9</sub> . <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 286, 121275	3.3	0
259	Synthesis, structure and reactivity of some chiral benzylthio alcohols, 1,3-oxathiolanes and their S-oxides. <i>Journal of Sulfur Chemistry</i> , <b>2020</b> , 41, 369-387	2.3	2
258	Realizing square and diamond lattice S=1/2 Heisenberg antiferromagnet models in the $\sqrt{2} \times \sqrt{2}$ phases of the coordination framework, KTi(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> xH <sub>2</sub> O. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2
257	Synthesis, Structure, and Electrochemical Properties of Some Cobalt Oxalates. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16936-16943	5.1	4
256	Structural variations in (001)-oriented layered lead halide perovskites, templated by 1,2,4-triazolium. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17274-17280	4.3	4
255	Structural Diversity in Layered Hybrid Perovskites, APbBr or AA'PbBr, Templated by Small Disc-Shaped Amines. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 12858-12866	5.1	14
254	Variable dimensionality in 'hollow' hybrid tin iodide perovskites. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15171-15174	3.4	5

253	Structural diversity of lead halide chain compounds, APbX, templated by isomeric molecular cations. <i>Dalton Transactions</i> , <b>2020</b> , 49, 12767-12775	4.3	3
252	Perovzalates: a family of perovskite-related oxalates. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14461-14466	4.3	6
251	Materialization of a Geometrically Frustrated Magnet in a Hybrid Coordination Framework: A Study of the Iron(II) Oxalate Fluoride Framework, KFe(CO)F. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11971-11977	5.1	6
250	A hybrid fluoride layered perovskite, (enH)MnF. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4784-4787	4.3	5
249	An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903620	24	9
248	Structure-directing effects in (110)-layered hybrid perovskites containing two distinct organic moieties. <i>Chemical Communications</i> , <b>2019</b> , 55, 9935-9938	5.8	17
247	An oxalate cathode for lithium ion batteries with combined cationic and polyanionic redox. <i>Nature Communications</i> , <b>2019</b> , 10, 3483	17.4	46
246	Improper Ferroelectricity: An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites (Adv. Mater. 40/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970287	24	
245	Unexpected phase transition sequence in the ferroelectric BiTiO. <i>IUCrJ</i> , <b>2019</b> , 6, 438-446	4.7	3
244	Octahedral tilting in the polar hexagonal tungsten bronzes RbNbWO and KNbWO. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 815-821	1.8	0
243	Three New Lead Iodide Chain Compounds, APbI <sub>3</sub> , Templated by Molecular Cations. <i>Crystals</i> , <b>2019</b> , 9, 616	2.3	4
242	Superexchange-mediated negative thermal expansion in Nd-doped BiFeO <sub>3</sub> . <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3260-3270	7.1	8
241	Complex octahedral tilt phases in the ferroelectric perovskite system Li <sub>x</sub> Na <sub>1-x</sub> NbO <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	6
240	New sarcosine-metal halide complexes related to ferroelectric TSCC. <i>CrystEngComm</i> , <b>2018</b> , 20, 4012-4019	3.3	3
239	Crystal structure of guanidinium hexafluoridovanadate(III), (CNH)[VF]: an unusual hybrid compound related to perovskite. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2017</b> , 73, 244-246	0.8	2
238	Na <sub>2</sub> Fe(C <sub>2</sub> O <sub>4</sub> )F <sub>2</sub> : A New Iron-Based Polyoxyanion Cathode for Li/Na Ion Batteries. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2167-2172	9.6	32
237	Reinvestigation of Na <sub>2</sub> Fe <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ·2H <sub>2</sub> O: An Iron-Based Positive Electrode for Secondary Batteries. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9095-9101	9.6	15
236	Unprecedented phase transition sequence in the perovskite LiNaNbO. <i>IUCrJ</i> , <b>2017</b> , 4, 215-222	4.7	6

235	KLFe(CO): a perovskite-like compound with 1 : 3 ordering at both A and B sites. <i>Dalton Transactions</i> , <b>2017</b> , 46, 13349-13351	4.3	8
234	Diverse Family of Layered Frustrated Magnets with Tailorable Interlayer Interactions. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6616-6620	9.6	17
233	Phase Transition Behavior of the Layered Perovskite CsBi <sub>0.6</sub> La <sub>0.4</sub> Nb <sub>2</sub> O <sub>7</sub> : A Hybrid Improper Ferroelectric. <i>Crystals</i> , <b>2017</b> , 7, 135	2.3	8
232	NdBaScO <sub>4</sub> : aristotype of a new family of geometric ferroelectrics?. <i>Chemical Communications</i> , <b>2016</b> , 52, 10980-3	5.8	13
231	A Novel Copper Oxalate, Na <sub>2</sub> Cu(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2016</b> , 642, 1345-1349	1.3	3
230	NaFe <sub>3</sub> (HPO <sub>3</sub> ) <sub>2</sub> ((H,F)PO <sub>2</sub> OH) <sub>6</sub> : A Potential Cathode Material and a Novel Ferrimagnet. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2558-64	5.1	10
229	V <sub>2</sub> O <sub>2</sub> F <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ·H <sub>2</sub> O: a new V(4+) layer structure related to VOF <sub>3</sub> . <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2016</b> , 72, 80-3	0.8	1
228	Systems chemistry: All in a spin. <i>Nature Chemistry</i> , <b>2016</b> , 8, 402-4	17.6	5
227	Thermal evolution of the crystal structure of the orthorhombic perovskite LaFeO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 230, 337-342	3.3	27
226	Structural and dielectric studies of the phase behaviour of the topological ferroelectric La <sub>1-x</sub> Nd <sub>x</sub> TaO <sub>4</sub> . <i>Dalton Transactions</i> , <b>2015</b> , 44, 10673-80	4.3	25
225	New iron tetrazolate frameworks: synthesis, temperature effect, thermal behaviour, Mössbauer and magnetic studies. <i>Dalton Transactions</i> , <b>2015</b> , 44, 7951-9	4.3	13
224	Metal-Dependent Structural Variations and the Peculiarities of Hydrogen-Bonded Networks in the Highly Hydrated Copper(II), Nickel(II), and Palladium(II) Complexes of Bis-Dioxocyclam. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2024-2032	3.5	3
223	Cs <sub>7</sub> Sm <sub>11</sub> [TeO <sub>3</sub> ] <sub>12</sub> Cl <sub>16</sub> and Rb <sub>7</sub> Nd <sub>11</sub> [TeO <sub>3</sub> ] <sub>12</sub> Br <sub>16</sub> , the new tellurite halides of the tetragonal Rb <sub>6</sub> LiNd <sub>11</sub> [SeO <sub>3</sub> ] <sub>12</sub> Cl <sub>16</sub> structure type. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 232, 56-61	3.3	5
222	Na <sub>2</sub> MoO(2-F(4+))-a perovskite with a unique combination of atomic orderings and octahedral tilts. <i>Chemical Communications</i> , <b>2015</b> , 51, 15469-71	5.8	5
221	Extending the Family of V(4+) S=(1/2) Kagome Antiferromagnets. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15457-61	16.4	12
220	Extending the Family of V <sup>4+</sup> S={ 1/2 } Kagome Antiferromagnets. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15677-15681	3.6	2
219	Novel S = 1/2 Kagome Lattice Materials: Cs <sub>2</sub> TiCu <sub>3</sub> F <sub>12</sub> and Rb <sub>2</sub> TiCu <sub>3</sub> F <sub>12</sub> . <i>Crystals</i> , <b>2015</b> , 5, 226-243	2.3	5
218	Understanding ferroelectricity in layered perovskites: new ideas and insights from theory and experiments. <i>Dalton Transactions</i> , <b>2015</b> , 44, 10543-58	4.3	159

217	A hybrid vanadium fluoride with structurally isolated $S = 1$ kagome layers. <i>Dalton Transactions</i> , <b>2014</b> , 43, 6304-7	4.3	8
216	Structural diversity in hybrid vanadium(IV) oxyfluorides based on a common building block. <i>Dalton Transactions</i> , <b>2014</b> , 43, 568-75	4.3	22
215	Rare-Earth Cadmium Tellurite Chlorides with a Structural Type Exhibiting $[Ln_{12}(TeO_3)_{12}]$ Slabs Alternating with $CdCl_6$ Octahedral Layers. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3140-3146	2.3	6
214	Structural phase transitions in the kagome lattice based materials $Cs_2Rb_xSnCu_3F_{12}$ ( $x = 0, 0.5, 1.0, 1.5$ ). <i>CrystEngComm</i> , <b>2014</b> , 16, 7419-7425	3.3	10
213	Unusual phase behavior in the piezoelectric perovskite system, $Li(x)Na(1-x)NbO_3$ . <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8872-80	5.1	26
212	Re-entrant structural phase transition in a frustrated kagome magnet, $Rb_2SnCu_3F_{12}$ . <i>CrystEngComm</i> , <b>2013</b> , 15, 7426	3.3	7
211	High-temperature phases of multiferroic $BiFe_{0.7}Mn_{0.3}O_3$ . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	1
210	Structural Study of $La_{1-x}Y_xScO_3$ , Combining Neutron Diffraction, Solid-State NMR, and First-Principles DFT Calculations. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2252-2265	3.8	33
209	Gapless spin liquid ground state in the $S = 1/2$ vanadium oxyfluoride kagome antiferromagnet $[NH_4]_2[C_7H_{14}N][V_7O_6F_{18}]$ . <i>Physical Review Letters</i> , <b>2013</b> , 110, 207208	7.4	92
208	Structural, magnetic and electrical properties of the hexagonal ferrites $MFeO_3$ ( $M=Y, Yb, In$ ). <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 190, 52-60	3.3	45
207	Magnetically Driven Dielectric and Structural Behavior in $Bi_{0.5}La_{0.5}FeO_3$ . <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4563-4571	9.6	20
206	Solid State Structural Variations in Copper(II) Complexes of Open-Chain and Macrocyclic Malonamide-Derived Ligands. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 4388-4396	3.5	4
205	New structural units in molybdenum oxyfluoride chemistry. <i>Journal of Fluorine Chemistry</i> , <b>2012</b> , 144, 108-113	2.1	11
204	New twists on the perovskite theme: crystal structures of the elusive phases R and S of $NaNbO_3$ . <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 6876-89	5.1	57
203	$^{93}Nb$ NMR and DFT investigation of the polymorphs of $NaNbO_3$ . <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 7565-76	3.6	44
202	An ionothermally prepared $S = 1/2$ vanadium oxyfluoride kagome lattice. <i>Nature Chemistry</i> , <b>2011</b> , 3, 801-806	6.6	122
201	Structural Phase Transition in the $S = 1/2$ Kagome System $Cs_2ZrCu_3F_{12}$ and a Comparison to the Valence-Bond-Solid Phase in $Rb_2SnCu_3F_{12}$ . <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4234-4240	9.6	15
200	Crystallographic, magnetic and dielectric studies of the potential multiferroic cryolite $(NH_4)_3FeF_6$ . <i>Solid State Sciences</i> , <b>2011</b> , 13, 953-958	3.4	4

- 199 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
- 198 Phase Separation and Phase Transitions in Multiferroic  $K_{0.58}FeF_3$  with the Tetragonal Tungsten Bronze Structure. *Chemistry of Materials*, **2011**, 23, 5440-5445 9.6 13
- 197 High-temperature phase transitions of hexagonal  $YMnO_3$ . *Physical Review B*, **2011**, 83, 3.3 158
- 196 The polar phase of  $NaNbO_3$ : a combined study by powder diffraction, solid-state NMR, and first-principles calculations. *Journal of the American Chemical Society*, **2010**, 132, 8732-46 16.4 137
- 195 Structural chemistry of organically-templated metal fluorides. *Dalton Transactions*, **2010**, 39, 5983-93 4.3 56
- 194 Increasing the dimensionality of hybrid vanadium oxyfluorides using ionothermal synthesis. *Dalton Transactions*, **2010**, 39, 6018-20 4.3 30
- 193 Syntheses, solid state and solution structures of the palladium(II) complexes of malonamide-derived open-chain and macrocyclic ligands. *Dalton Transactions*, **2010**, 39, 7706-13 4.3 11
- 192 Solvothermal indium fluoride chemistry: Syntheses and crystal structures of  $K_5In_3F_{14}$ ,  $[NH_4]_3InF_6$  and  $[NH_4]_3[C_6H_2N_4]_2[In_4F_{21}]$ . *Journal of Solid State Chemistry*, **2010**, 183, 356-360 3.3 10
- 191 The ionothermal synthesis of metal organic frameworks,  $Ln(C_9O_6H_3)((CH_3NH)_2CO)_2$ , using deep eutectic solvents. *Solid State Sciences*, **2010**, 12, 418-421 3.4 44
- 190 The  $\Gamma_0-\Gamma$  transition in  $BiFeO_3$ : A Powder Neutron Diffraction Study. *Advanced Functional Materials*, **2010**, 20, 2116-2123 15.6 81
- 189 A new chain structure: catena-poly[4,4'-(ethane-1,2-diyl)dipyridinium bis[[aquadifluoridooxidovanadate]- $\mu$ -fluorido]]. *Acta Crystallographica Section C: Crystal Structure Communications*, **2010**, 66, m130-2
- 188 High Temperature Phase Transitions in  $BiFeO_3$ . *Materials Research Society Symposia Proceedings*, **2009**, 1199, 164
- 187 Crystallisation of some mixed Na/V and K/V fluorides by solvothermal methods. *Solid State Sciences*, **2009**, 11, 315-319 3.4 27
- 186 Lanthanide  $N,N'$ -piperazine-bis(methylenephosphonates) ( $Ln=La, Ce, Nd$ ) that display flexible frameworks, reversible hydration and cation exchange. *Journal of Solid State Chemistry*, **2009**, 182, 2769-2778 2.5
- 185 Structural phase transitions in the relaxor ferroelectric  $Pb_2Bi_4Ti_5O_{18}$ . *Journal of Solid State Chemistry*, **2009**, 182, 2626-2631 3.3 4
- 184 Novel building units with bimetallic rings in inorganic/organic hybrid chains and layers. *Journal of Solid State Chemistry*, **2009**, 182, 3125-3130 3.3 3
- 183 Ferroelectric-paraelectric transition in  $BiFeO_3$ : crystal structure of the orthorhombic beta phase. *Physical Review Letters*, **2009**, 102, 027602 7.4 261
- 182 Leakage and Proton Conductivity in the Predicted Ferroelectric  $CsBiNb_2O_7$ . *Chemistry of Materials*, **2009**, 21, 1296-1302 9.6 29

181	A novel non-centrosymmetric metallophosphate-borate compound via ionothermal synthesis. <i>Dalton Transactions</i> , <b>2009</b> , 5287-9	4.3	41
180	Organic-inorganic hybrid chains and layers constructed from copper-amine cations and early transition metal (Nb, Mo) oxyfluoride anions. <i>Dalton Transactions</i> , <b>2009</b> , 3280-5	4.3	20
179	Solvothermal Synthesis and Luminescent Properties of Two Organically Templated Chain-Structure Fluorides, [C <sub>4</sub> H <sub>14</sub> N <sub>2</sub> ][MF <sub>5</sub> ] (M = In, Sc). <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6810-6815	9.6	14
178	A new approach to synthesis of layered fluorites containing molecular anions: synthesis of Ln <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> , K(LnO)CO <sub>3</sub> , and Ln <sub>2</sub> O <sub>2</sub> CrO <sub>4</sub> via metathesis reactions. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 3065-7	5.1	15
177	Hydrothermal synthesis of vanadium oxyfluoride chains incorporating covalently bound copper coordination complexes. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 9097-102	5.1	34
176	A new hybrid framework based on a 'superoctahedral' [V <sub>7</sub> O <sub>6</sub> F <sub>30</sub> ](14-) polyanion. <i>Chemical Communications</i> , <b>2008</b> , 1401-3	5.8	13
175	Lead-trontium borate halides with hilgardite-type structure and their SHG properties. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 1891-1898	3.3	47
174	An unusual hybrid fluoride featuring a [V <sub>7</sub> F <sub>27</sub> ] <sub>6</sub> chain motif based on a pyrochlore-like building unit. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 3033-3036	3.3	13
173	Hydrothermal synthesis and luminescent properties of a new family of organically templated lanthanide fluorides. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4178		8
172	The role of temperature in the solvothermal synthesis of hybrid vanadium oxyfluorides. <i>Dalton Transactions</i> , <b>2007</b> , 4207	4.3	39
171	Novel vanadium(IV) oxyfluorides with 'spin-ladder'-like structures, and their relationship to (VO) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> . <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 1277-82	5.1	46
170	An organically templated yttrium fluoride with a Super-Diamond structure. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 260-264	3.3	24
169	The synthesis and crystal structures of the first rare-earth alkaline-earth selenite chlorides MNd <sub>10</sub> (SeO <sub>3</sub> ) <sub>12</sub> Cl <sub>8</sub> (M=Ca and Sr). <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 3019-3025	3.3	7
168	SrSeO <sub>3</sub> from a combined X-ray and neutron powder diffraction study. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, i149-i150		5
167	The crystal structure of a new bismuth tellurium oxychloride Bi <sub>0.87</sub> Te <sub>2</sub> O <sub>4.9</sub> Cl <sub>0.87</sub> from neutron powder diffraction data. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 1533-1537	3.3	4
166	Hydrothermal chemistry of oligomeric vanadium oxyfluorides. <i>Dalton Transactions</i> , <b>2007</b> , 2271-82	4.3	54
165	Hydrothermal vanadium fluoride chemistry: four new V <sup>3+</sup> chain structures. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 3996-4001	5.1	23
164	Crystal and molecular structures of related nickel(II) complexes of open-chain and macrocyclic oxamide-based ligands and the peculiarities of water aggregates in their crystal lattices. <i>Dalton Transactions</i> , <b>2007</b> , 4708-14	4.3	15

163	Hydrothermal scandium fluoride chemistry: syntheses and crystal structures of [C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ][ScF <sub>5</sub> ], [NH <sub>4</sub> ] <sub>2</sub> [Sc <sub>3</sub> F <sub>11</sub> ] and [H <sub>3</sub> O][C <sub>6</sub> N <sub>2</sub> H <sub>16</sub> ][ScF <sub>6</sub> ]·H <sub>2</sub> O. <i>Solid State Sciences</i> , <b>2006</b> , 8, 197-202	3.4	17
162	A reinvestigation of Sillb X1-type lead tellurium oxyhalides, Pb <sub>3</sub> TeO <sub>4</sub> X <sub>2</sub> (X = Cl, Br, I). <i>Solid State Sciences</i> , <b>2006</b> , 8, 1029-1034	3.4	9
161	Novel open-framework architectures in lanthanide phosphonates. <i>Solid State Sciences</i> , <b>2006</b> , 8, 397-403	3.4	31
160	On the crystal structures of SrTeO <sub>3</sub> . <i>Solid State Sciences</i> , <b>2006</b> , 8, 830-835	3.4	14
159	Unusual high-temperature structural behaviour in ferroelectric Bi <sub>2</sub> WO <sub>6</sub> . <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 1493-9	4.8	129
158	Synthesis of novel lead molybdenum and lead tungsten oxyhalides with the pinalite structure, Pb <sub>3</sub> MoO <sub>5</sub> Cl <sub>2</sub> and Pb <sub>3</sub> WO <sub>5</sub> Br <sub>2</sub> . <i>American Mineralogist</i> , <b>2006</b> , 91, 1918-1921	2.9	4
157	The first route to large pore metal phosphonates. <i>Chemical Communications</i> , <b>2006</b> , 3305-7	5.8	118
156	Synthesis, Structure and Properties of Related Microporous N,N'-Piperazinebismethylenephosphonates of Aluminum and Titanium. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1451-1457	9.6	154
155	Structural Chemical Zoning in the Boundary Phase Zeolite TNU-7 (EON). <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3023-3033	9.6	18
154	Synthesis of novel LaOAgS-type cation-deficient bismuth oxyhalides. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 413, 40-45	5.7	7
153	A second polymorph of [H <sub>3</sub> N(CH <sub>2</sub> ) <sub>3</sub> NH <sub>3</sub> ][V <sub>4</sub> O <sub>10</sub> ]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2006</b> , 62, m566-8		1
152	Ammonium scandium tetrafluoride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2006</b> , 62, i103-5		1
151	Phase relations and crystal structures in the systems (Bi,Ln) <sub>2</sub> WO <sub>6</sub> and (Bi,Ln) <sub>2</sub> MoO <sub>6</sub> (Ln=lanthanide). <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3437-3444	3.3	27
150	Polar ordering of polar octahedra in [C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ][VOF <sub>4</sub> (H <sub>2</sub> O)]. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 4298		36
149	TNU-7: A Large-Pore Gallosilicate Zeolite Constructed of Strictly Alternating MOR and MAZ Layers. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1272-1274	9.6	34
148	Two closely related lanthanum phosphonate frameworks formed by anion-directed linking of inorganic chains. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 1736-9	5.1	62
147	The pH-controlled hydrothermal synthesis and crystal structures of two zinc N,N'-piperazinebis(methylenephosphonate) frameworks. <i>Dalton Transactions</i> , <b>2005</b> , 2007-10	4.3	24
146	Synthetic studies related to diketopyrrolopyrrole (DPP) pigments. Part 2: The use of esters in place of nitriles in standard DPP syntheses: Claisen-type acylations and furopyrrrole intermediates. <i>Tetrahedron</i> , <b>2005</b> , 61, 727-738	2.4	31



145	Crystal structure of the mixed-layer Aurivillius phase Bi <sub>5</sub> TiNbWO <sub>15</sub> . <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 180-184	3.3	19
144	Ethylenediaminium niobium oxyfluoride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2005</b> , 61, m344-5		5
143	Investigation of structural and ferroelectric properties of pulsed-laser-ablated epitaxial Nd-doped bismuth titanate films. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 3408-3412	2.5	36
142	Crystal Chemistry of Some Organically Templated Metal Fluorides: The Crystal Structure of [C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ] <sub>0.5</sub> [Y <sub>2</sub> F <sub>7</sub> ]. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 848, 91		2
141	A new zinc pyromellitate, [(C <sub>4</sub> N <sub>2</sub> H <sub>12</sub> ) <sub>0.5</sub> (NH <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> )[Zn(C <sub>10</sub> H <sub>2</sub> O <sub>8</sub> )] <sub>n</sub> ·78H <sub>2</sub> O, with a layered structure. <i>Solid State Sciences</i> , <b>2004</b> , 6, 757-762	3.4	31
140	Phase equilibria in the Bi <sub>2</sub> TeO <sub>5</sub> ?Bi <sub>2</sub> SeO <sub>5</sub> system and a high temperature neutron powder diffraction study of Bi <sub>2</sub> SeO <sub>5</sub> . <i>Solid State Sciences</i> , <b>2004</b> , 6, 915-922	3.4	21
139	Defect and dopant properties of the Aurivillius phase Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3660-3665	3.3	35
138	Solution properties of the nickel(II,III) and copper(II,III) complexes of trans-dioxocyclam (trans-dioxocyclam=5,12-dioxo-1,4,8,11-tetraazacyclotetradecane) and the X-ray crystal structure of the N-rac-isomer of the nickel(II) complex. <i>Inorganica Chimica Acta</i> , <b>2004</b> , 357, 1023-1030	2.7	14
137	Bi <sub>2</sub> Ln <sub>x</sub> WO <sub>6</sub> : a novel layered structure type related to the Aurivillius phases. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 2632-2634	3.3	27
136	Pulsed Laser Deposition and Characterization of Bi <sub>4-4x</sub> Nd <sub>x</sub> Ti <sub>3</sub> O <sub>12</sub> Thin Films. <i>Ferroelectrics</i> , <b>2004</b> , 313, 15-20	0.6	4
135	A novel scandium fluoride, [C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ] <sub>0.5</sub> [ScF <sub>4</sub> ], with an unprecedented tungsten bronze-related layer structure. <i>Chemical Communications</i> , <b>2004</b> , 614-5	5.8	17
134	Synthesis of hybrid framework materials under "dry" hydrothermal conditions: crystal structure and magnetic properties of Mn <sub>2</sub> (H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ). <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 11-3	5.1	28
133	X-Ray Crystal Structures of trans-6,13-Dimethyl-6,13-Diamino-1,4,8,11-Tetraazacyclotetradecane.6HCl.2H <sub>2</sub> O and its Condensation Product with Pyridine-2-Carboxaldehyde. <i>Journal of Chemical Research</i> , <b>2004</b> , 2004, 234-236	0.6	0
132	Synthesis and structure of three manganese oxalates: Mn <sub>2</sub> C <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O, [C <sub>4</sub> H <sub>8</sub> (NH <sub>2</sub> ) <sub>2</sub> ][Mn <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] and Mn <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> )(OH) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 172, 212-218	3.3	35
131	A novel family of layered bismuth compounds II: the crystal structures of Pb <sub>0.6</sub> Bi <sub>1.4</sub> Rb <sub>0.6</sub> O <sub>22</sub> Z <sub>2</sub> , Z=Cl, Br, and I. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 173, 83-90	3.3	7
130	Structural distortions in the layered perovskites CsANb <sub>2</sub> O <sub>7</sub> (A=Nd, Bi). <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 173, 309-313	3.3	44
129	A reinvestigation of quaternary layered bismuth oxyhalides of the Sillb' X1 type. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 175, 316-321	3.3	49
128	Oxide ion conductivity in Ga-doped Aurivillius phases—reappraisal. <i>Solid State Ionics</i> , <b>2003</b> , 156, 439-445	3.3	12

127	Ferroelectric phase transitions in SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> and Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> : A powder neutron diffraction study. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	100
126	An X-ray diffraction and MAS NMR study of the thermal expansion properties of calcined siliceous ferrierite. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4342-9	16.4	66
125	The location of fluoride and organic guests in $\beta$ -s-madepure silica zeolites FER and CHA. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1978-1982		52
124	Hydrothermal syntheses and crystal structures of three zinc succinates: Zn(C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) $\cdot$ $\frac{1}{2}$ Zn(C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) $\cdot$ $\frac{1}{2}$ and K <sub>2</sub> Zn(C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> ) <sub>2</sub> . <i>Dalton Transactions</i> , <b>2003</b> , 936-939	4.3	37
123	Orientation dependence of ferroelectric properties of pulsed-laser-ablated Bi <sub>4</sub> NdxTi <sub>3</sub> O <sub>12</sub> films. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2414-2416	3.4	143
122	Structural Behavior of the Four-Layer Aurivillius-Phase Ferroelectrics SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> and Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 164, 280-291	3.3	177
121	Layered Intergrowth Phases Bi <sub>4</sub> MO <sub>8</sub> X (X=Cl, M=Ta and X=Br, M=Ta or Nb): Structural and Electrophysical Characterization. <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 166, 148-157	3.3	76
120	Synthetic studies related to diketopyrrolopyrrole (DPP) pigments. Part 1: The search for alkenyl-DPPs. Unsaturated nitriles in standard DPP syntheses: a novel cyclopenta[c]pyrrolone chromophore. <i>Tetrahedron</i> , <b>2002</b> , 58, 5547-5565	2.4	51
119	Crystal structure and kinetics of the acid-catalysed decomposition of (N,N'-bis(2-pyridylmethylene)-1,3-diamino-2,2-dicarboxyethylpropane)copper(II)perchlorate. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 331, 143-150	2.7	8
118	Contrasting Structural Behavior in the Aurivillius Phase Ferroelectrics Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> , BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> and Ba <sub>2</sub> Bi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 755, 1		
117	Structure Elucidation of a Novel Aluminum Methylphosphonate, Al <sub>3</sub> (CH <sub>3</sub> PO <sub>3</sub> ) <sub>2</sub> (OH) <sub>3</sub> , through a Combination of X-ray Powder Diffraction, Solid-State NMR Spectroscopy, and Computational Energy Minimization. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3432-3439	9.6	10
116	Synthesis and crystal structure of the first scandium-containing open framework solid. <i>Chemical Communications</i> , <b>2002</b> , 1180-1	5.8	37
115	A new anion conductive bismuthvanadium oxyfluoride. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1490-1494		12
114	Structure-property correlations in the new ferroelectric Bi <sub>5</sub> PbTi <sub>3</sub> O <sub>14</sub> Cl and related layered oxyhalide intergrowth phases. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 3413-3418		18
113	Structure solution of a novel aluminium methylphosphonate using a new simulated annealing program and powder X-ray diffraction data. <i>Chemical Communications</i> , <b>2002</b> , 808-9	5.8	21
112	Synthesis and crystal structure of cis-[NiL(en)](ClO <sub>4</sub> ) <sub>2</sub> $\cdot$ nH <sub>2</sub> O (L=3-hydroxyethyl-1,3,5,8,12-penta-azacyclotetradecane) and solution studies of the planar-cis-folding equilibrium. <i>Polyhedron</i> , <b>2001</b> , 20, 307-312	2.7	2
111	Formation and Structure of a Novel Zwitterionic Phosphoniocyclopentenonide From Bu <sub>3</sub> P, DMAD and COS. <i>European Journal of Organic Chemistry</i> , <b>2001</b> , 2001, 35-37	3.2	3
110	Solid-state transformations of zinc 1,4-benzenedicarboxylates mediated by hydrogen-bond-forming molecules. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 5168-75	4.8	189

109	Ferroelectric Properties and Crystal Structure of the Layered Intergrowth Phase Bi <sub>3</sub> Pb <sub>2</sub> Nb <sub>2</sub> O <sub>11</sub> Cl. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4731-4737	9.6	57
108	The widespread occurrence of negative thermal expansion in zeolites. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 212-216		155
107	Synthesis, structural relationships and magnetic properties of new amine-templated manganese(II) phosphate oxalate framework materials. <i>Dalton Transactions RSC</i> , <b>2001</b> , 1904-1910		42
106	Preparation of the copper(II) complex of the binucleating hexaaza macrocycle 2,5,8,17,20,23-hexaaza[9.9]paracyclophane and its solution chemistry, hydrolytic activity and acid dissociation kinetics. <i>Dalton Transactions RSC</i> , <b>2001</b> , 240-246		21
105	On the reduction of rhodium trichloride in the presence of triisopropylphosphine. <i>Canadian Journal of Chemistry</i> , <b>2001</b> , 79, 472-478	0.9	2
104	Azamacrocycles and the azaoxacryptand 4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane as structure-directing agents in the synthesis of microporous metalloaluminophosphates. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 98-104		23
103	Dielectric properties and structure of Bi <sub>4</sub> NbO <sub>8</sub> Cl and Bi <sub>4</sub> TaO <sub>8</sub> Cl. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 1141-1145		41
102	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. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 8797-805	16.4	76
101	Variable-temperature microcrystal X-ray diffraction studies of negative thermal expansion in the pure silica zeolite IFR. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 5453-9	16.4	63
100	Negative Thermal Expansion in Y <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 149, 92-98	3.3	100
99	Cation Disorder in Three-Layer Aurivillius Phases: Structural Studies of Bi <sub>2-x</sub> Sr <sub>2+x</sub> Ti <sub>1-x</sub> Nb <sub>2+x</sub> O <sub>12</sub> (0. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 153, 66-73	3.3	81
98	Synthesis and structure of highly polarised double-bond compounds derived from S-proline. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 7965-7968	2	1
97	The carbonylation of methylacetate to acetic anhydride catalysed by [Cp*Rh(CO) <sub>2</sub> ] in the absence of hydrogen. <i>Inorganic Chemistry Communication</i> , <b>2000</b> , 3, 617-619	3.1	7
96	Binuclear copper(II), nickel(II), cobalt(II) and zinc(II) complexes of the macrocycle 1,4,7,16,19,22-hexaaza[9.9]metacyclophane (L). Crystal structure of [Cu <sub>2</sub> LCl <sub>4</sub> ] <sub>0.5</sub> [Cu <sub>2</sub> LCl <sub>3</sub> ClO <sub>4</sub> ]·dmf and the copper complex catalysed hydrolysis of the phosphotriester 2,4-dinitrophenyldiethylphosphate. <i>Polyhedron</i> , <b>2000</b> , 19, 1485-1492	2.7	5
95	The crystal structures of BiTeO <sub>3</sub> I, NdTeO <sub>3</sub> X (X=Cl, Br) and Bi <sub>5</sub> TeO <sub>8.5</sub> I <sub>2</sub> : some crystal chemistry peculiarities of layered Bi(Ln) <sub>2</sub> Te oxyhalides. <i>Solid State Sciences</i> , <b>2000</b> , 2, 553-562	3.4	25
94	The solid state conformation of oxo stabilised ylides: X-ray structures of four new polyoxo phosphorus ylides. <i>Perkin Transactions II RSC</i> , <b>2000</b> , 333-340		23
93	The crystal and molecular structures of the nickel(II) complexes of malonamide-derived unsubstituted 14- and 13-membered tetraazamacrocycles and NMR study of the complexes in aqueous solution. <i>Dalton Transactions RSC</i> , <b>2000</b> , 2023-2029		12
92	Mixed inorganic-organic anion frameworks: synthesis and characterisation of [Mn <sub>4</sub> (PO <sub>4</sub> ) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> )(H <sub>2</sub> O) <sub>2</sub> ] and [H <sub>3</sub> N(CH <sub>2</sub> ) <sub>3</sub> NH <sub>3</sub> ][Mn <sub>2</sub> (HPO <sub>4</sub> ) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> )(H <sub>2</sub> O) <sub>2</sub> ]. <i>Dalton Transactions RSC</i> , <b>2000</b> , 1595-1599		38

91	Imposition of Polarity on a Centrosymmetric Zeolite Host: The Effect of Fluoride Ions on Template Ordering in Zeolite IFR. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 7128-7129	16.4	79
90	A Variable-Temperature Powder Neutron Diffraction Study of Ferroelectric Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . <i>Chemistry of Materials</i> , <b>1999</b> , 11, 3359-3364	9.6	179
89	Hydrothermal Syntheses and Crystal Structures of Two New Iron Phosphates [C <sub>2</sub> N <sub>2</sub> H <sub>10</sub> ] <sub>2</sub> [Fe(HPO <sub>4</sub> ) <sub>2</sub> (OH)] <sub>2</sub> ·2H <sub>2</sub> O and KFe <sub>3</sub> (OH) <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> ·2H <sub>2</sub> O. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 142, 455-460	3.3	27
88	Mixed Inorganic/Organic Anion Frameworks: Synthesis and Crystal Structure of Fe <sub>4</sub> (PO <sub>4</sub> ) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> )(H <sub>2</sub> O) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 143, 58-61	3.3	49
87	Synthesis and Structure of an Unusual New Layered Aluminophosphate Containing Oxalate Groups, [NH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> ] <sub>2.5</sub> [Al <sub>4</sub> H(HPO <sub>4</sub> ) <sub>4</sub> (H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>4</sub> ]. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 143, 74-76	3.3	47
86	A Novel Family of Layered Bismuth Compounds. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 147, 527-535	3.3	36
85	Negative Thermal Expansion in the Siliceous Zeolites Chabazite and ITQ-4: A Neutron Powder Diffraction Study. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 2508-2514	9.6	114
84	Powder neutron diffraction studies of three low thermal expansion phases in the NZP family: K <sub>0.5</sub> Nb <sub>0.5</sub> Ti <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> , Ba <sub>0.5</sub> Ti <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and Ca <sub>0.25</sub> Sr <sub>0.25</sub> Zr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 2631-2636		31
83	Strong negative thermal expansion in the siliceous zeolites ITQ-1, ITQ-3 and SSZ-23. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 349-351		56
82	The Use of Triquatery Ammonium Ions in the Synthesis of STA-5, a Magnesiumaluminophosphate with the BPH Framework Topology. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 2456-2462	9.6	15
81	Low thermal expansion materials: a comparison of the structural behaviour of La <sub>0.33</sub> Ti <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> , Sr <sub>0.5</sub> Ti <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Solid State Sciences</i> , <b>1999</b> , 1, 53-60		28
80	Novel lanthanoid/lead oxide pnictides with the tetragonal LaOAgS structure. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 292, 118-123	5.7	11
79	Formation of [15N] <sub>3</sub> N-(4-Phenyl-furazan-3-yl)-benzamide by a Furoxan to Furazan Rearrangement during the Attempted Synthesis of [15N] <sub>3</sub> 2-Oxy-4-phenylfurazan-3-carbonitrile. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 8748-8749	4.2	6
78	Structural Variation of Dinuclear Transition Metal Compounds with a Common Type of Ligand: Solid State and Solution Structures and Model Studies. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 1416-1421	5.1	22
77	Comparison of the structural behaviour of the low thermal expansion NZP phases MTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (M = Li, Na, K). <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 2907-2911		39
76	Ionic conduction and thermal properties of poly(ethylene oxide)-Tm(CF <sub>3</sub> SO <sub>3</sub> ) <sub>3</sub> electrolyte films. <i>Electrochimica Acta</i> , <b>1998</b> , 43, 1511-1515	6.7	6
75	The crystal structure of [Ni(dmf) <sub>6</sub> ][NiCl <sub>4</sub> ] and comments on the hydrolysis of coordinated amides and peptides in metal complexes. <i>Transition Metal Chemistry</i> , <b>1998</b> , 23, 257-260	2.1	12
74	SSZ-23: ein Zeolith mit sieben- und neungliedrigen Porenöffnungen. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 2234-2239	3.6	9

73	SSZ-23: An Odd Zeolite with Pore Openings of Seven and Nine Tetrahedral Atoms. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 2122-2126	16.4	100
72	Modelling intermediates in the catalytic carbonylation of CH <sub>2</sub> I <sub>2</sub> to malonate esters; Evidence for a ketene pathway. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 553, 473-476	2.3	5
71	Copper(II) and zinc(II) complexes of N,N-bis(benzimidazole-2-ylmethyl)-amine. Synthesis, formation constants and the crystal structure of [ZnLCl] <sub>2</sub> . MeOH. Catalytic activity of the complexes in the hydrolysis of the phosphotriester 2,4-dinitrophenyl diethyl phosphate. <i>Polyhedron</i> , <b>1998</b> , 17, 3575-3581	2.7	20
70	Transition metal complexes of the tripodal ligand 4-(2'-pyridylmethyl)-4-azaheptane-1,7-diamine. Crystal structures of [CuLCl]ClO <sub>4</sub> and [NiL(MeCN) <sub>2</sub> ](ClO <sub>4</sub> ) <sub>2</sub> . <i>Polyhedron</i> , <b>1998</b> , 17, 4347-4352	2.7	11
69	2,2'-Bipyridyl and 1,10-phenanthroline adducts of the diborane (4) compound B <sub>2</sub> (1,2-S <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> . <i>Polyhedron</i> , <b>1998</b> , 17, 4139-4143	2.7	15
68	Mechanism of low thermal expansion in the cation-ordered Nasicon structure. <i>Chemical Communications</i> , <b>1998</b> , 107-108	5.8	45
67	SSZ-23: An Odd Zeolite with Pore Openings of Seven and Nine Tetrahedral Atoms <b>1998</b> , 37, 2122		1
66	Cation disorder in ferroelectric Aurivillius phases of the type Bi <sub>2</sub> ANb <sub>2</sub> O <sub>9</sub> (A=Ba, Sr, Ca). <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1609-1613		200
65	Synthesis, metal-exchange kinetics and X-ray structure of the nickel(II) complex of the diazacyclam ligand 1,3,6,10,12,15-hexa-azatricyclo [13.3.1.16,10]eicosane, [NiL] (ClO <sub>4</sub> ) <sub>2</sub> . <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 395-399	2.1	6
64	The synthesis and crystal structure of [NiL(NCS) <sub>2</sub> ] (L=3-hydroxyethyl-1,3,5,8,12-pentaazacyclotetradecane). <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 510-512	2.1	4
63	Padlock macrocyclic complexes. The synthesis of a range of nickel(II) complexes of N-alkyl azacyclams and the crystal structure of (3-ethyl-1,3,5,8,12-penta-azacyclotetradecane) nickel(II) perchlorate. <i>Polyhedron</i> , <b>1997</b> , 16, 2777-2783	2.7	23
62	The non-formation of macrocyclic tetraamides by coordinated ligand reactions. <i>Polyhedron</i> , <b>1997</b> , 16, 3261-3266	2.7	8
61	The preparation, chemistry and crystal structure of the nickel(II) complex of N-hydroxyethylazacyclam [3-(2'-hydroxyethyl)-1,3,5,8,12-penta-azacyclotetradecane nickel(II) perchlorate]. A new electrocatalyst for CO <sub>2</sub> reduction. <i>Polyhedron</i> , <b>1997</b> , 16, 3557-3563	2.7	38
60	Synthesis of ferrocenyl-1,2-diketones and related compounds: Crystal and molecular structures of 1,2-diferrocenylethanedione and 1-ferrocenyl-2-(4-biphenyl) ethanedione. <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 530, 177-185	2.3	15
59	Functionalised acyl ferrocenes: Crystal and molecular structures of 4-aminobenzoylferrocene, 4-hydroxybenzoylferrocene and 1,1'-bis(4-hydroxybenzoyl) ferrocene. <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 539, 177-186	2.3	17
58	Oxidation of ferrocenyl ketones using selenium(IV) oxide: Crystal and molecular structures of racemic 2,3-diferrocenyl-1,4-diphenylbutane-1,4-dione, racemic and meso 2,3-diferrocenyl-1,4-bis(4-biphenyl)butane-1,4-dione, and ferrocenylmethyl(4-biphenyl)ketone. <i>Journal of Organometallic Chemistry</i> , <b>1997</b> , 542, 81-88	2.3	4
57	Direct one pot construction of norbornane-fused dihydrotetrathiafulvalenes. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 7927-7930	2	18
56	Microporous Magnesium Aluminophosphate STA-1: Synthesis with a Rationally Designed Template and Structure Elucidation by Microcrystal Diffraction. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 81-83		48

- 55 Synthesis and Structure of ITQ-3, the First Pure Silica Polymorph with a Two-Dimensional System of Straight Eight-Ring Channels. *Angewandte Chemie International Edition in English*, **1997**, 36, 2659-2661 81
- 54 Das mikroporöse Magnesiumalumphosphat STA-1: Synthese mit einem maßgeschneiderten Templat und Strukturaufklärung an einem Mikrokristall. *Angewandte Chemie*, **1997**, 109, 76-79 3.6 5
- 53 Nitrogen Lewis base adducts of group 12 alkyls: Molecular structure of poly[1,3-bis (4-pyridyl) propane]dimethylzinc, [Me<sub>2</sub>Zn (C<sub>5</sub>H<sub>4</sub>N)CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>(C<sub>5</sub>H<sub>4</sub>N)]<sub>n</sub>. *Advanced Materials for Optics and Electronics*, **1997**, 7, 23-28 4
- 52 Synthesis and Structure of CaBiO<sub>2</sub>Cl and SrBiO<sub>2</sub>Cl: New Distorted Variants of the Sillen X1 Structure. *Journal of Solid State Chemistry*, **1997**, 128, 115-120 3.3 41
- 51 Tetrahydrofuran Adducts of Bismuth Trichloride and Bismuth Tribromide. *Inorganic Chemistry*, **1996**, 35, 3709-3712 5.1 29
- 50 The reaction of acetone with [Cu(en)<sub>2</sub>]<sup>2+</sup>: the crystal structure of the copper(II)-Eaminoketone complex initially formed and the kinetics of its base-catalysed conversion to the copper(II) complex of trans[14]dieneN<sub>4</sub>. *Inorganica Chimica Acta*, **1996**, 246, 395-399 2.7 9
- 49 Adducts between silver nitrate and di-iodo compounds, and some analogues. *Polyhedron*, **1996**, 15, 2409-2419 4
- 48 Bibrachial ligands from sterically protected tetra-azamacrocycles. Synthesis of bis(N-2-cyanoethyl)tet-a and the crystal structure of its copper(II) complex. *Polyhedron*, **1996**, 15, 2315-2319 4
- 47 Polymer electrolytes: structure and electrode processes. *Solid State Ionics*, **1995**, 78, 191-198 3.3 21
- 46 A new 1-dimensional molybdenum phosphate: Synthesis and structure of [(CH<sub>3</sub>)<sub>4</sub>N][MN<sub>2</sub>MO<sub>6</sub>O<sub>12</sub>(OH)<sub>4</sub>(PO<sub>4</sub>)(HPO<sub>4</sub>)(H<sub>2</sub>PO<sub>4</sub>)<sub>2</sub>] · 4H<sub>2</sub>O. *Materials Research Bulletin*, **1995**, 30, 1005-1013<sup>15</sup> 5.1
- 45 Combined X-ray and neutron powder diffraction study of magnesium-doped lithium niobate. *Journal of Materials Chemistry*, **1995**, 5, 1039 3
- 44 Synthesis and properties of mechanism-based inhibitors and probes for inositol monophosphatase derived from 6-O-(2-hydroxyethyl)-(1R,2R,4R,6R)-cyclohexane-1,2,4,6-tetraol. *Journal of the Chemical Society Chemical Communications*, **1995**, 2353-2356 7
- 43 Synthesis and structure of Bi<sub>2</sub>LaO<sub>4</sub>Cl: a novel variant of the sillen phases. *Journal of Materials Chemistry*, **1995**, 5, 1419 10
- 42 Steric effects in triorganosilanes: Crystal and molecular structure of tribenzylsilane, a silane isomorphous with the corresponding silanol. *Journal of Organometallic Chemistry*, **1994**, 484, 175-178 2.3 3
- 41 The crystal and molecular structure of tribenzylsilanol by Rietveld refinement of powder X-ray diffraction data. *Journal of Organometallic Chemistry*, **1994**, 466, 51-54 2.3 6
- 40 Crystal Structure Determination from Powder Diffraction Data by Monte Carlo Methods. *Journal of the American Chemical Society*, **1994**, 116, 3543-3547 16.4 261
- 39 Structure of LiN(CF<sub>3</sub>SO<sub>2</sub>)<sub>2</sub>, a novel salt for electrochemistry. *Journal of Materials Chemistry*, **1994**, 4, 1579 104
- 38 Ab initio determination of crystal structures by X-ray powder diffraction: structure of Li<sub>29</sub>Zr<sub>9</sub>Nb<sub>3</sub>O<sub>40</sub>. *Journal of Materials Chemistry*, **1994**, 4, 167 6

37	Probing molecular motion by solid-state NMR spectroscopy and high resolution powder X-ray diffraction. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 209		3
36	An examination of the structures of iodosylbenzene (PhIO) and the related imido compound, PhINSO <sub>2</sub> -4-Me-C <sub>6</sub> H <sub>4</sub> , by X-ray powder diffraction and EXAFS (extended X-ray absorption fine structure) spectroscopy. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 2367-2368		55
35	Phase diagram of the poly(ethylene oxide):calcium trifluoromethanesulfonate system. <i>Chemistry of Materials</i> , <b>1993</b> , 5, 1338-1343	9.6	8
34	The Structural and Electronic Properties of the Ru(V) Perovskites Ba <sub>2</sub> LaRu <sub>0.5</sub> Sb <sub>0.5</sub> O <sub>6</sub> and Ba <sub>2</sub> TaRu <sub>0.5</sub> Na <sub>0.5</sub> O <sub>6</sub> . <i>Journal of Solid State Chemistry</i> , <b>1993</b> , 102, 375-381	3.3	13
33	Li <sub>6</sub> Zr <sub>2</sub> O <sub>7</sub> , a New Anion Vacancy ccp Based Structure, Determined by ab initio Powder Diffraction Methods. <i>Journal of Solid State Chemistry</i> , <b>1993</b> , 104, 397-403	3.3	17
32	Materials chemistry communications. Ab initio determination of molecular structures using high-resolution powder diffraction data from a laboratory X-ray source. <i>Journal of Materials Chemistry</i> , <b>1992</b> , 2, 361		20
31	Structure of the cubic intercalate Mg <sub>x</sub> TiS <sub>2</sub> . <i>Journal of Materials Chemistry</i> , <b>1992</b> , 2, 139		29
30	Structure of the poly(ethylene oxide) sodium perchlorate complex PEO <sub>3</sub> -NaClO <sub>4</sub> from powder X-ray diffraction data. <i>Journal of Materials Chemistry</i> , <b>1992</b> , 2, 379-381		65
29	Materials chemistry communications. Application of the combined maximum entropy and likelihood method to the ab initio determination of an organic crystal structure from X-ray powder diffraction data. <i>Journal of Materials Chemistry</i> , <b>1992</b> , 2, 1301		19
28	Determination of a molecular crystal structure by X-ray powder diffraction on a conventional laboratory instrument. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 1012		40
27	Ab initio structure determination of LiCF <sub>3</sub> SO <sub>3</sub> from X-ray powder diffraction data using entropy maximization and likelihood ranking. <i>Journal of Solid State Chemistry</i> , <b>1992</b> , 100, 191-196	3.3	53
26	Structural changes of superconducting YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 173, 185-194	1.3	116
25	Crystal structure and Mössbauer spectroscopy of Y <sub>2</sub> SrFeCuO <sub>6.5</sub> , a double layer perovskite intergrowth phase. <i>Journal of Solid State Chemistry</i> , <b>1991</b> , 90, 331-343	3.3	21
24	BaBiO <sub>2.5</sub> , a new bismuth oxide with a layered structure. <i>Journal of Solid State Chemistry</i> , <b>1991</b> , 92, 473-479	3.3	22
23	Structural properties of the oxide superconductors: the critical role of defects. <i>Superconductor Science and Technology</i> , <b>1991</b> , 4, S11-S18	3.1	15
22	Synthesis and structure of LiCaPo <sub>4</sub> by combined X-ray and neutron powder diffraction. <i>Journal of Materials Chemistry</i> , <b>1991</b> , 1, 1061		31
21	Structure of BaBiO <sub>3</sub> at high temperature. <i>Materials Research Bulletin</i> , <b>1990</b> , 25, 1467-1476	5.1	16
20	Mixed oxides: The crystal structure of Ba <sub>3</sub> NiRuSbO <sub>9</sub> . <i>Materials Research Bulletin</i> , <b>1990</b> , 25, 89-93	5.1	11

19	Interstitial anions in the T* structure. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 169, 15-22	1-3	23
18	Pressure-induced structural changes in La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 169, 179-183	1-3	47
17	The structural consequences of charge disproportionation in mixed-valence iron oxides. II. The crystal and magnetic structures of BaLaFe <sub>2</sub> O <sub>5.91</sub> at 5 K. <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 85, 38-43	3-3	21
16	High-pressure phase transitions in the 6H perovskites Ba <sub>3</sub> MSb <sub>2</sub> O <sub>9</sub> (M = Mg, Ni, Zn). <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 85, 144-150	3-3	8
15	Hydrothermal synthesis and crystal structure of a new layered phosphate, K <sub>2</sub> Co <sub>3</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> · 2H <sub>2</sub> O. <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 85, 275-282	3-3	8
14	Phase separation in Nd <sub>2-x</sub> Te <sub>x</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 168, 627-636	1-3	74
13	Pressure-induced charge transfer and dT <sub>c</sub> /dP in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 171, 93-102	1-3	230
12	Oxygen-defect structure of non-superconducting La <sub>1.85</sub> Sr <sub>1.15</sub> Cu <sub>2</sub> O <sub>6.25</sub> : excess oxygen in the interlayer site. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 169, 464-468	1-3	46
11	Pressure-induced structural changes in the superconductor (Nd <sub>1-x</sub> Sr <sub>x</sub> (Nd <sub>1-y</sub> Ce <sub>y</sub> )CuO <sub>4-<math>\delta</math></sub> ). <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 172, 166-174	1-3	16
10	Structural refinements of Yb <sub>2</sub> BaCuO <sub>5</sub> and Lu <sub>2</sub> BaCuO <sub>5</sub> by powder neutron diffraction. <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 89, 385-388	3-3	10
9	The crystal and magnetic structures of Ba <sub>3</sub> NiRu <sub>2</sub> O <sub>9</sub> , Ba <sub>3</sub> CoRu <sub>2</sub> O <sub>9</sub> , and Ba <sub>3</sub> ZnRu <sub>2</sub> O <sub>9</sub> . <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 89, 174-183	3-3	65
8	The crystal and magnetic structures of Sr <sub>2</sub> LaFe <sub>3</sub> O <sub>8</sub> . <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 84, 237-244	3-3	51
7	The structural consequences of charge disproportionation in mixed-valence iron oxides. I. The crystal structure of Sr <sub>2</sub> LaFe <sub>3</sub> O <sub>8.94</sub> at room temperature and 50 K. <i>Journal of Solid State Chemistry</i> , <b>1990</b> , 84, 271-279	3-3	151
6	Structural and dynamical studies of Bi <sub>2</sub> O <sub>3</sub> oxide ion conductors. V. A study of the system (Bi <sub>2</sub> O <sub>3</sub> ) <sub>1-x</sub> (Eu <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> by <sup>151</sup> Eu Mössbauer spectroscopy. <i>Journal of Solid State Chemistry</i> , <b>1989</b> , 83, 31-36	3-3	4
5	Synthesis and structure of a novel layered phosphate NH <sub>4</sub> Mn <sub>2</sub> O(PO <sub>4</sub> )(HPO <sub>4</sub> ) · H <sub>2</sub> O. <i>Journal of Solid State Chemistry</i> , <b>1989</b> , 78, 17-22	3-3	14
4	Neutron diffraction study of the cation distributions in the systems Fe <sub>7-x</sub> M <sub>x</sub> (PO <sub>4</sub> ) <sub>6</sub> (M = Mn or Co). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1989</b> , 1765-1769		14
3	Synthesis and crystal structure of KMn <sub>2</sub> O(PO <sub>4</sub> )(HPO <sub>4</sub> ). <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 73, 325-329	3-3	11
2	The crystal and magnetic structures of Sr <sub>2</sub> CoFeO <sub>5</sub> . <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 76, 334-339	3-3	44



- 1 Structure of manganese(3+) phosphate monohydrate by synchrotron x-ray powder diffraction. *Inorganic Chemistry*, **1987**, 26, 3544-3547 5.1 56