Brendan J Kennedy

List of Publications by Year in Descending Order

344 papers	10,008 citations	51 h-index	84 g-index
388 ext. papers	10,777 ext. citations	4.2 avg, IF	6.11 L-index

#	Paper	IF	Citations
344	Inorganic-Cation Pseudohalide 2D Cs 2 Pb(SCN) 2 Br 2 Perovskite Single Crystal (Adv. Mater. 7/2022). *Advanced Materials*, **2022**, 34, 2270054	24	
343	Buoyant titanium dioxide (TiO2) as high performance photocatalyst and peroxide activator: A critical review on fabrication, mechanism and application. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107549	6.8	1
342	Structure and electronic properties of a oxo ruthenium bromide. *Journal of Solid State Chemistry*, **2022**, 123151	3.3	
341	Crystal structure and phase transition of TlReO: a combined experimental and theoretical study. *Journal of Physics Condensed Matter*, **2021**, 33, 065403	1.8	2
340	Effect of Long- and Short-Range Disorder on the Oxygen Ionic Conductivity of Tm(TiTm)O "Stuffed" Pyrochlores. *Inorganic Chemistry*, **2021**, 60, 4517-4530	5.1	6
339	Titanium Dioxide/Polyvinyl Alcohol/Cork Nanocomposite: A Floating Photocatalyst for the Degradation of Methylene Blue under Irradiation of a Visible Light Source. *ACS Omega*, **2021**, 6, 14493-14503	3.9	7
338	Synthesis and Structure of Oxygen Deficient Lead-Technetium Pyrochlore, the First Example of a Valence V Technetium Oxide. *Frontiers in Chemistry*, **2021**, 9, 706269	5	0
337	Phase Analysis of Australian Uranium Ore Concentrates Determined by Variable Temperature Synchrotron Powder X-ray Diffraction. *Inorganic Chemistry*, **2021**, 60, 11569-11578	5.1	0
336	Insights into the structural variations in SmNbTaO and HoNbTaO combined experimental and computational studies. *Dalton Transactions*, **2021**, 50, 9103-9117	4.3	1
335	Neutron diffraction study of the monoclinic - tetragonal´phase transition in NdNbO and NdTaO. *Dalton Transactions*, **2021**, 50, 11485-11497	4.3	0
334	Tilting and Distortion in Rutile-Related Mixed Metal Ternary Uranium Oxides: A Structural, Spectroscopic, and Theoretical Investigation. *Inorganic Chemistry*, **2021**, 60, 2246-2260	5.1	5
333	Lattice Disorder and Oxygen Migration Pathways in Pyrochlore and Defect-Fluorite Oxides. *Chemistry of Materials*, **2021**, 33, 1407-1415	9.6	11
332	Average and local ordering of Yb2(Ti2-Yb)O7-/2 Stuffed pyrochlores: The development of a robust structural model. *Journal of Solid State Chemistry*, **2021**, 302, 122412	3.3	2
331	Revisiting the cubic crystal structures of Sr4Nb2O9 and Sr5Nb2O10. *Journal of Solid State Chemistry* , **2021**, 303, 122502	3.3	
330	Inorganic-Cation Pseudo-Halide Two-dimensional Cs Pb(SCN) Br Perovskite Single Crystal. *Advanced Materials*, **2021**, e2104782	24	6
329	Structural and Magnetic Studies of O-Type Ruthenium and Osmium Oxides. *Inorganic Chemistry*, **2020**, 59, 2791-2802	5.1	7
328	Probing the Site-Selective Doping in SrSnO:Eu Oxides and Its Impact on the Crystal and Electronic Structures Using Synchrotron Radiation and DFT Simulations. *Inorganic Chemistry*, **2020**, 59, 7666-7680	5.1	12

327	Structural Chemistry and Magnetic Properties of the Hexagonal Double Perovskite BaCoOsO. *Inorganic Chemistry*, **2020**, 59, 6613-6622	5.1	2
326	Magneto-structural coupling in SrTcxRu1-xO3 (x = 0.25,0.5) perovskites. *Journal of Solid State Chemistry*, **2020**, 287, 121378	3.3	1
325	Phase separation in Tb pyrochlores. Studies of Tb2Zr1-xSnxO7. *Journal of Solid State Chemistry*, **2020**, 288, 121386	3.3	
324	Phase Trapping in Acetonitrile, a Metastable Mineral for Saturn's Moon Titan. *ACS Earth and Space Chemistry*, **2020**, 4, 1324-1331	3.2	1
323	Studies of the 4d and 5d 6H perovskites BaBMO, B = Ti, Zn, Y; M = Ru, Os, and cubic BaBRuO polymorphs stabilised under high pressure. *Dalton Transactions*, **2020**, 49, 12222-12233	4.3	0
322	Structure Evolution of NaO from Room Temperature to 500 °C. *Inorganic Chemistry*, **2020**, 59, 14439-14446	5.1	
321	Ionic conductivity and thermal expansion of anion-deficient Sr11Mo4O23 perovskite. *Journal of Solid State Electrochemistry*, **2020**, 24, 2943-2951	2.6	1
320	Impact of Li Doping on the Structure and Phase Stability in AgNbO. *Inorganic Chemistry*, **2020**, 59, 12595-12607	5.1	6
319	Synthesis and crystal structures of two polymorphs of Li4□xMg1+xTeO6. *Journal of Solid State Chemistry*, **2020**, 287, 121385	3.3	3
318	Synthesis-Controlled Polymorphism and Magnetic and Electrochemical Properties of LiCoSbO. *Inorganic Chemistry*, **2019**, 58, 13881-13891	5.1	12
317	Studies of the fergusonite to scheelite phase transition in LnNbO4 orthoniobates. *Journal of Solid State Chemistry*, **2019**, 277, 229-239	3.3	15
316	Structural and magnetic studies of KOsO, a 5d quantum magnet oxide. *Physical Chemistry Chemical Physics*, **2019**, 21, 7261-7264	3.6	7
315	Thermal expansion of ammonium pertechnetate and ammonium perrhenate. *Journal of Solid State Chemistry*, **2019**, 274, 64-68	3.3	2
314	Crystal structures and electronic properties in 3d transition metal doped SrRuO. *Dalton Transactions*, **2019**, 48, 4730-4741	4.3	5
313	Squeezing electrons out of 6s lone-pairs in perovskite-type oxides. *Chemical Communications*, **2019**, 55, 3887-3890	5.8	1
312	Controlling Oxygen Defect Formation and Its Effect on Reversible Symmetry Lowering and Disorder-to-Order Phase Transformations in Nonstoichiometric Ternary Uranium Oxides. *Inorganic Chemistry*, **2019**, 58, 6143-6154	5.1	9
311	Structures and Phase Transitions in Pertechnetates. *Inorganic Chemistry*, **2019**, 58, 10119-10128	5.1	7
310	The Solid-State Chemistry of AUO4 Ternary Uranium Oxides: A Review **2019**, 103-130		2

309	Crystal structures and phase transition behaviour in the 5d transition metal oxides AReO (A = Ag, Na, K, Rb, Cs and Tl). *Dalton Transactions*, **2019**, 48, 17524-17532	4.3	7
308	Thermal expansion of pyrolusite, MnO2; a synchrotron X-ray diffraction study. *Journal of Physics and Chemistry of Solids*, **2019**, 125, 131-134	3.9	1
307	Order-disorder phenomena and octahedral tilting in SrTi1-XSnXO3 perovskites A structural and spectroscopic study. *Journal of Solid State Chemistry*, **2019**, 269, 521-531	3.3	2
306	Preparation and high resolution structural studies of LixAg1-xNbO3 lead free piezoelectrics. *Journal of Solid State Chemistry*, **2019**, 269, 401-408	3.3	4
305	Structural and magnetic studies of the ruthenium perovskites Ba2-xSrxHoRuO6. *Journal of Solid State Chemistry*, **2018**, 263, 36-43	3.3	1
304	Structural studies of the high temperature phases of AgTaO3. *Journal of Solid State Chemistry*, **2018**, 258, 859-864	3.3	12
303	Unexpected Crystallographic Phase Transformation in Nonstoichiometric SrUO: Reversible Oxygen Defect Ordering and Symmetry Lowering with Increasing Temperature. *Inorganic Chemistry*, **2018**, 57, 5948-5958	5.1	13
302	The crystal structure of lueshite at 298 K resolved by high-resolution time-of-flight neutron powder diffraction. *Physics and Chemistry of Minerals*, **2018**, 45, 77-83	1.6	4
301	Observation of Nd ordering in a novel double perovskite Nd2MgRuO6 with weak exchange interaction at B-site. *Journal of Solid State Chemistry*, **2018**, 259, 73-78	3.3	2
300	High-Pressure Synthesis, Structural, and Spectroscopic Studies of the Ni-U-O System. *Inorganic Chemistry*, **2018**, 57, 13847-13858	5.1	10
299	Spin-Orbit Coupling Controlled Ground State in the Ir(V) Perovskites AScIrO (A = Ba or Sr). *Inorganic Chemistry*, **2017**, 56, 2204-2209	5.1	19
298	The impact of chemical doping on the magnetic state of the Sr 2 YRuO 6 double perovskite. *Journal of Solid State Chemistry*, **2017**, 249, 154-159	3.3	5
297	Structure and magnetism in Sr1AxTcO3 perovskites: Importance of the A-site cation. *Physical Review B*, **2017**, 95,	3.3	1
296	Thermal expansion in BaRuO perovskites - an unusual case of bond strengthening at high temperatures. *Dalton Transactions*, **2017**, 46, 2974-2980	4.3	5
295	Structural and Magnetic Properties of the Osmium Double Perovskites BaSrYOsO. *Inorganic Chemistry*, **2017**, 56, 6565-6575	5.1	9
294	Photocatalytic properties of Ta-doped TiO2. *Ionics*, **2017**, 23, 3517-3531	2.7	8
293	Structure and phase transition in BaThO3: A combined neutron and synchrotron X-ray diffraction study. *Journal of Alloys and Compounds*, **2017**, 727, 1044-1049	5.7	7
292	Multi-scale structural analysis of the A-site and oxygen deficient perovskite SrMoO. *Dalton Transactions*, **2017**, 46, 12466-12473	4.3	4

291	Thermal Expansion Behavior in TcO. Toward Breaking the Tc-Tc Bond. *Inorganic Chemistry*, **2017**, 56, 9219-9224	5	
290	Low-temperature structure and the ferroelectric phase transitions in the CdTiO3 perovskite. *Physical Review B*, **2017**, 96,	3.3	10
289	Magnetic and Structural Studies of Sc Containing Ruthenate Double Perovskites AScRuO (A = Ba, Sr). *Inorganic Chemistry*, **2017**, 56, 9009-9018	5.1	16
288	The impact of anion ordering on octahedra distortion and phase transitions in SrTaON and BaTaON. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2017**, 73, 389-398	1.8	4
287	How many tricks can an old perovskite play?. *IUCrJ*, **2017**, 4, 204-205	4.7	
286	Nonstoichiometry in Strontium Uranium Oxide: Understanding the Rhombohedral-Orthorhombic Transition in SrUO4. *Inorganic Chemistry*, **2016**, 55, 9329-34	5.1	18
285	Structural and spectroscopic studies of Ba2Y1□UO6+x. *Journal of Solid State Chemistry*, **2016**, 243, 8-11	3.3	3
284	Magnetodielectric effects in A-site cation-ordered chromate spinels LiMCr4O8 (M=Ga and In). *Physical Review B*, **2016**, 94,	3.3	16
283	Influence of Synthetic Conditions on Chemistry and Structural Properties of Alkaline Earth Uranyl Borates. *Crystal Growth and Design*, **2016**, 16, 5923-5931	3.5	17
282	YCa3(CrO)3(BO3)4: A Cr(3+) Kagom□Lattice Compound Showing No Magnetic Order down to 2 K. *Inorganic Chemistry*, **2016**, 55, 7535-41	5.1	3
281	Probing Long- and Short-Range Disorder in Y2Ti2□HfxO7 by Diffraction and Spectroscopy Techniques. *Journal of Physical Chemistry C*, **2016**, 120, 26465-26479	3.8	18
280	Phase transitions in strontium perovskites. Studies of SrOsO3 compared to other 4d and 5d perovksites. *Journal of Solid State Chemistry*, **2016**, 237, 27-31	3.3	7
279	Structural studies of the rhombohedral and orthorhombic monouranates: CaUO4, □SrUO4, □SrUO4 and BaUO4. *Journal of Solid State Chemistry*, **2016**, 237, 86-92	3.3	19
278	Phase separation in NaTaO 3 . Impact of temperature and doping. *Solid State Sciences*, **2016**, 52, 149-153	3.4	10
277	Uncovering system-specific stress signatures in primate teeth with multimodal imaging. *Scientific Reports*, **2016**, 6, 18802	4.9	31
276	The impact of room temperature polymorphism in K doped NaTaO3 on structural phase transition behaviour. *Journal of Solid State Chemistry*, **2016**, 238, 109-112	3.3	7
275	Direct Observation of Pressure-Driven Valence Electron Transfer in Ba3BiRu2O9, Ba3BiIr2O9, and Ba4BiIr3O12. *Inorganic Chemistry*, **2016**, 55, 5649-54	5.1	4
274	Long- and short-range structure studies of KBT-KBZ solid-solutions using synchrotron radiation. *Dalton Transactions*, **2015**, 44, 10681-8	4.3	9

273	Phase coexistence in NaTaO3 at room temperature; a high resolution neutron powder diffraction study. *Solid State Sciences*, **2015**, 43, 15-21	3.4	15
272	Low temperature structural studies of SrSnO3. *Journal of Physics Condensed Matter*, **2015**, 27, 365401	1.8	20
271	Structural and Magnetic Properties of the Iridium Double Perovskites Ba(2-x)Sr(x)YIrO6. *Inorganic Chemistry*, **2015**, 54, 10468-76	5.1	31
270	The role of □bonding on the high temperature structure of the double perovskites Ba2CaUO6 and BaSrCaUO6. *Dalton Transactions*, **2015**, 44, 16036-44	4.3	1
269	Anisotropic thermal expansion in Sr2RhO4 □A variable temperature Synchrotron X-ray diffraction study. *Solid State Sciences*, **2015**, 49, 43-46	3.4	8
268	Phase boundary at x=0.03 and its anomalous influence on the structure and properties in the lead-free piezoelectric (1□)Na1/2Bi1/2TiO3□(x)BaTiO3. *Physical Review B*, **2015**, 92,	3.3	26
267	Unusual thermal expansion of Sr2IrO4: A variable temperature synchrotron X-ray diffraction study. *Journal of Solid State Chemistry*, **2015**, 232, 178-181	3.3	5
266	Structural and magnetic properties of the ruthenium double perovskites Ba2-xSrxYRuO6. *Dalton Transactions*, **2015**, 44, 10689-99	4.3	16
265	Neutron powder diffraction study of the magnetic structure of EuZrO□*Journal of Physics Condensed Matter*, **2014**, 26, 095401	1.8	5
264	Diffraction and spectroscopic study of pyrochlores Bi2□Fe1+xSbO7. *Journal of Alloys and Compounds*, **2014**, 589, 425-430	5.7	7
263	Studying the effects of Zr-doping in (Bi0.5Na0.5)TiO3via diffraction and spectroscopy. *Dalton Transactions*, **2014**, 43, 17358-65	4.3	15
262	Soft ferromagnetism in mixed valence Sr(1-x)La(x)Ti(0.5)Mn(0.5)O□perovskites. *Dalton Transactions* , **2014**, 43, 6909-18	4.3	5
261	Studies of the antiferrodistortive transition in EuTiO3. *Journal of Physics Condensed Matter*, **2014**, 26, 495901	1.8	16
260	Impact of Cu doping on the structure and electronic properties of LaCr(1-y)Cu(y)O3. *Inorganic Chemistry*, **2014**, 53, 2240-7	5.1	10
259	Tuning the giant magnetoelastic transition in Ba3BiIr2O9 and Ba3BiRu2O9. *Journal of Physics Condensed Matter*, **2014**, 26, 276003	1.8	4
258	Pressure-Induced Intersite Bi?M (M=Ru, Ir) Valence Transitions in Hexagonal Perovskites. *Angewandte Chemie*, **2014**, 126, 3482-3485	3.6	3
257	Key role of bismuth in the magnetoelastic transitions of Ba3BiIr2O9 and Ba3BiRu2O9 as revealed by chemical doping. *Inorganic Chemistry*, **2014**, 53, 952-60	5.1	6
256	Pressure-induced amorphization of A-site-deficient double perovskite Ln1/3MO3 (Ln = Pr, Nd, M = Nb, Ta). *Physics and Chemistry of Minerals*, **2014**, 41, 439-447	1.6	3

255	Structural and electronic properties of Sr1□a Ti0.5Mn0.5O3. *Journal of Solid State Chemistry*, **2014**, 213, 293-300	3.3	1
254	Peroxide defect formation in zirconate perovskites. *Journal of Materials Chemistry A*, **2014**, 2, 15883-15888	3.3	23
253	High-concentration Na doping of SrRuO3 and CaRuO3. *Inorganic Chemistry*, **2014**, 53, 4579-84	5.1	11
252	Anomalous thermal expansion in orthorhombic perovskite SrIrO3: Interplay between spin-orbit coupling and the crystal lattice. *Physical Review B*, **2014**, 89,	3.3	26
251	Cation antisite disorder in uranium-doped gadolinium zirconate pyrochlores. *Journal of Nuclear Materials*, **2014**, 452, 474-478	3.3	33
250	An unconventional method for measuring the Tc L3-edge of technetium compounds. *Journal of Synchrotron Radiation*, **2014**, 21, 1275-81	2.4	5
249	Pressure-induced intersite Bi-M (M=Ru, Ir) valence transitions in hexagonal perovskites. *Angewandte Chemie - International Edition*, **2014**, 53, 3414-7	16.4	12
248	Structural and magnetic studies of perovskite YCr(0.5)Mn(0.5)O□*Dalton Transactions*, **2014**, 43, 17085-9	4.3	2
247	Photosensitive oxide semiconductors for solar hydrogen fuel and water disinfection. *International Materials Reviews*, **2014**, 59, 449-478	16.1	15
246	High-pressure structural studies of Li x La1/3NbO3 (x = 1/6, 1/3, 1/2, 2/3). *Physics and Chemistry of Minerals*, **2014**, 41, 333-340	1.6	1
245	X-ray microdiffraction, TEM characterization and texture analysis of human dentin and enamel. *Journal of Microscopy*, **2013**, 251, 144-53	1.9	31
244	Crystal structures and phase transitions in Sr2InTaO6 perovskite. *Physics and Chemistry of Minerals*, **2013**, 40, 603-610	1.6	3
243	Ordered vs. disordered perovskites; structural studies of Fe-doped SrIrO3 and SrRuO3. *Journal of Solid State Chemistry*, **2013**, 206, 242-250	3.3	12
242	Structural and magnetic studies of the electron doped manganites Sr0.65Pr0.35-xCexMnO3 (0.00□x□0.35). *Journal of Physics Condensed Matter*, **2013**, 25, 335401	1.8	2
241	Crystal structure and phase transitions in the uranium perovskite, Ba2SrUO6. *Journal of Nuclear Materials*, **2013**, 433, 37-40	3.3	13
240	Crystal structures and phase transitions in Sr doped Ba2InTaO6 perovskites. *Journal of Solid State Chemistry*, **2013**, 206, 122-128	3.3	14
239	Investigating the order-disorder phase transition in Nd2-xYxZr2O7via diffraction and spectroscopy. *Dalton Transactions*, **2013**, 42, 14875-82	4.3	26
238	Stabilising the orthorhombic perovskite structure in SrIrO3 through chemical doping. Synthesis, structure and magnetic properties of SrIr1□MgxO3(0.20 □x □0.33). *Journal of Materials Chemistry A*, **2013**, 1, 13357	13	15

237	Structural characterization of the perovskite series Sr1−xLaxTi0.5Mn0.5O3. *Journal of Solid State Chemistry*, **2013**, 200, 39-42	3.3	8
236	Pressure-induced amorphization of La1/3TaO3. *Journal of Solid State Chemistry*, **2013**, 202, 38-42	3.3	8
235	Designing new n=2 Sillen–Aurivillius phases by lattice-matched substitutions in the halide and [Bi2O2]2+ layers. *Journal of Solid State Chemistry*, **2013**, 205, 165-170	3.3	10
234	Complex 5d magnetism in a novel S = 1/2 trimer system, the 12L hexagonal perovskite Ba4BiIr3O12. *Inorganic Chemistry*, **2013**, 52, 12461-7	5.1	9
233	Structural and magnetic studies of A site doped LaRh1−xCuxO3(A=Ca2+, Sr2+, Pb2+ and Bi3+). *Ceramics International*, **2013**, 39, S233-S237	5.1	3
232	Investigating the Local Structure of Lanthanoid Hafnates Ln2Hf2O7 via Diffraction and Spectroscopy. *Journal of Physical Chemistry C*, **2013**, 117, 2266-2273	3.8	70
231	Synchrotron X-ray diffraction study of the Ba1−xSrxSnO3 solid solution. *Journal of Solid State Chemistry*, **2013**, 200, 241-245	3.3	23
230	Valence changes of manganese and structural phase transitions in Sr1−xPrxMnO3 (0.1≤x≤0.6). *Journal of Solid State Chemistry*, **2013**, 201, 115-127	3.3	8
229	Synthesis, structures and properties of transition metal doped SrIrO3. *Journal of Materials Chemistry A*, **2013**, 1, 3127	13	26
228	Anion disorder in lanthanoid zirconates Gd(2-x)Tb(x)Zr2O7. *Inorganic Chemistry*, **2013**, 52, 8409-15	5.1	17
227	Gradual Structural Evolution from Pyrochlore to Defect-Fluorite in Y2Sn2−xZrxO7: Average vs Local Structure. *Journal of Physical Chemistry C*, **2013**, 117, 26740-26749	3.8	47
226	Structural and Magnetic Studies of Zn Doped LaRh1-2xCu2xO3. *Key Engineering Materials*, **2013**, 547, 173-180	0.4	
225	Coupling of Jahn–Teller and tilting distortions in high temperature structural phase transition of the Ca0.2Sr0.6Nd0.2Mn1−xCrxO3; 0 ≤x ≤0.2 perovskites. *Solid State Sciences*, **2012**, 14, 506-514	3.4	3
224	Structural and spectroscopic studies of La2Ce2O7: Disordered fluorite versus pyrochlore structure. *Physical Review B*, **2012**, 85,	3.3	32
223	Giant magnetoelastic effect at the opening of a spin-gap in Ba3BiIr2O9. *Journal of the American Chemical Society*, **2012**, 134, 3265-70	16.4	32
222	Synthesis, Structural and Magnetic Studies of the Double Perovskites Ba2CeMO6 (M = Ta, Nb). *Chemistry of Materials*, **2012**, 24, 2978-2986	9.6	16
221	Does local disorder occur in the pyrochlore zirconates?. *Inorganic Chemistry*, **2012**, 51, 13237-44	5.1	86
220	Synchrotron X-Ray Powder Diffraction Studies of Structural Phase Transitions in Perovskite Oxides. *Australian Journal of Chemistry*, **2012**, 65, 229	1.2	5

219	Crystal structures, strain analysis, and physical properties of Sr0.7Ce0.3MnO3. *Physical Review B*, **2012**, 85,	3.3	14
218	Impact of Jahn-Teller active Mn3+ on strain effects and phase transitions in Sr0.65Pr0.35MnO3. *Physical Review B*, **2012**, 85,	3.3	20
217	High temperature magnetic ordering in the 4d perovskite SrTcO3. *Physical Review Letters*, **2011**, 106, 067201	7.4	88
216	The structure of B-type Sm2O3. A powder neutron diffraction study using enriched 154Sm. *Solid State Sciences*, **2011**, 13, 1701-1703	3.4	8
215	Thermal expansion behaviour in the oxygen deficient perovskites Sr2BSbO5.5 (B=Ca, Sr, Ba). Competing effects of water and oxygen ordering. *Journal of Solid State Chemistry*, **2011**, 184, 2559-2565	3.3	3
214	The ferroelectric phase of CdTiO3: A powder neutron diffraction study. *Journal of Solid State Chemistry*, **2011**, 184, 2987-2993	3.3	26
213	Neutron diffraction studies of Gd2Zr2O7 pyrochlore. *Journal of Solid State Chemistry*, **2011**, 184, 1695-1698	3.3	21
212	Structure and cation ordering in spinel-type TcCo2O4. An example of a trivalent technetium oxide. *Dalton Transactions*, **2011**, 40, 10924-6	4.3	7
211	Structural phase transitions and magnetic order in SrTcO3. *Dalton Transactions*, **2011**, 40, 7228-33	4.3	50
210	Antiferromagnetism in a technetium oxide. Structure of CaTcO3. *Journal of the American Chemical Society*, **2011**, 133, 1654-7	16.4	34
209	Cation disorder in NaW2O6+□hH2□O post-ion exchange with K, Rb, Sr, and Cs. *Journal of Physics and Chemistry of Solids*, **2011**, 72, 692-700	3.9	3
208	The effect of disorder in Ba2YTaO6 on the tetragonal to cubic phase transition. *Journal of Solid State Chemistry*, **2011**, 184, 729-734	3.3	24
207	The fluorite□pyrochlore transformation of Ho2□yNdyZr2O7. *Journal of Solid State Chemistry*, **2011**, 184, 2108-2113	3.3	33
206	Spin-gap opening accompanied by a strong magnetoelastic response in the S=1 magnetic dimer system Ba3BiRu2O9. *Physical Review B*, **2011**, 84,	3.3	25
205	The Structure of C-type Gd2O3. A Powder Neutron Diffraction Study using Enriched 160Gd. *Australian Journal of Chemistry*, **2011**, 64, 119	1.2	19
204	X-ray absorption near edge structure and crystallographic studies of the mixed valence oxide SrRu0.8Ni0.2O3. *Journal of Physics Condensed Matter*, **2011**, 23, 435401	1.8	3
203	X-ray absorption and neutron diffraction studies of (Sr(1 - x)Ce(x))MnO3: transition from coherent to incoherent static Jahn-Teller distortions. *Journal of Physics Condensed Matter*, **2010**, 22, 445401	1.8	8
202	Structure and Phase Transformations in the Titanosilicate, Sitinakite. The Importance of Water. *Chemistry of Materials*, **2010**, 22, 4222-4231	9.6	12

201	Synthesis and Structural Studies of the Transition-Metal-Doped Rh Perovskites LaMn0.5Rh0.5O3 and LaCu0.5Rh0.5O3. *Chemistry of Materials*, **2010**, 22, 1640-1646	9.6	6
200	Dissolution of Cr, Zn, Cd, and Pb Single- and Multi-Metal-Substituted Goethite: Relationship to Structural, Morphological, and Dehydroxylation Properties. *Clays and Clay Minerals*, **2010**, 58, 415-430	2.1	16
199	Structure and Properties of Sr1−xCaxMn0.5Ru0.5O3 Perovskites: Using Chemical Pressure to Control Mn/Ru Mixed Valency. *Chemistry of Materials*, **2010**, 22, 3369-3382	9.6	20
198	Neutron diffraction study of phase transitions in perovskite-type strontium molybdate SrMoO3. *Journal of Solid State Chemistry*, **2010**, 183, 250-255	3.3	42
197	Synthesis, structures, and phase transitions of barium bismuth iridium oxide perovskites Ba2BiIrO6 and Ba3BiIr2O9. *Journal of Solid State Chemistry*, **2010**, 183, 727-735	3.3	17
196	Structural studies of the aeschynite–euxenite transformation in the series Ln(TiTa)O6 Ln=Lanthanide. *Solid State Sciences*, **2010**, 12, 1263-1269	3.4	15
195	Structural studies of the disorder and phase transitions in the double perovskite Sr2YTaO6. *Journal of Solid State Chemistry*, **2010**, 183, 1741-1746	3.3	17
194	A primitive tetragonal intermediate in the orthorhombic–cubic phase transition of perovskite-type strontium niobate Sr0.92NbO3. *Journal of Solid State Chemistry*, **2010**, 183, 2400-2405	3.3	21
193	Simultaneous incorporation of Cr, Zn, Cd, and Pb in the goethite structure. *Clays and Clay Minerals*, **2009**, 57, 234-250	2.1	35
192	Copper substitution alone and in the presence of chromium, zinc, cadmium and lead in goethite (α-FeOOH). *Clay Minerals*, **2009**, 44, 293-310	1.3	17
191	Structural phase transitions in BaPrO3. *Materials Research Bulletin*, **2009**, 44, 874-879	5.1	12
190	Synthesis and structural studies of lanthanide substituted bismuth–titanium pyrochlores. *Journal of Solid State Chemistry*, **2009**, 182, 836-840	3.3	5
189	Structural characterisation of the perovskite series Sr0.9−xCaxCe0.1MnO3: Influence of the Jahn–Teller effect. *Journal of Solid State Chemistry*, **2009**, 182, 954-959	3.3	7
188	Structural investigation of Sr2LiReO6. Evidence for a continuous tetragonal–cubic phase transition. *Journal of Solid State Chemistry*, **2009**, 182, 1691-1693	3.3	8
187	Structural characterisation of the perovskite series SrxCa1−x−yNdyMnO3: Influence of the Jahn–Teller effect. *Journal of Solid State Chemistry*, **2009**, 182, 2858-2866	3.3	7
186	Structural studies of the phases in Ba2LaIrO6—New light on an old problem. *Journal of Solid State Chemistry*, **2009**, 182, 3195-3200	3.3	7
185	Anomalous lattice parameter increase in alkali earth aluminium substituted tungsten defect pyrochlores. *Journal of Solid State Chemistry*, **2009**, 182, 457-464	3.3	10
184	X-ray Absorption near Edge Structure and Crystallographic Studies of the Mixed Valence Oxides CaRu1−xMnxO3. *Chemistry of Materials*, **2009**, 21, 4203-4209	9.6	10

183	Crystal structures and phase transition in (Sr(0.8)Ce(0.2))(Mn(1-y)Co(y))O(3) (y = 0 and 0.2): the influence of Jahn-Teller distortion. *Journal of Physics Condensed Matter*, **2009**, 21, 124218	1.8	5
182	The preparation and characterization of vanadium-substituted goethite: The importance of temperature. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 582-593	5.5	38
181	Characteristic length scale for strain fields around impurity cations in perovskites. *Physical Review B* , **2009**, 80,	3.3	25
180	Thermal expansion matching via framework flexibility in zinc dicyanometallates. *Journal of the American Chemical Society*, **2009**, 131, 6334-5	16.4	91
179	Diffuse scattering in the cesium pyrochlore CsTi0.5W1.5O6. *Materials Research Bulletin*, **2008**, 43, 787-795	5.1	10
178	Crystal Structures and Phase Transitions in A-Site Deficient Perovskites Ln1/3TaO3. *Chemistry of Materials*, **2008**, 20, 6666-6676	9.6	23
177	Cation disorder and phase transitions in the four-layer ferroelectric Aurivillius phases ABi4Ti4O15 (A=Ca, Sr, Ba, Pb). *Journal of Solid State Chemistry*, **2008**, 181, 1377-1386	3.3	75
176	Phase segregation in mixed Nb□b double perovskites Ba2LnNb1□SbxO6. *Journal of Solid State Chemistry*, **2008**, 181, 298-305	3.3	13
175	On the microstructure and symmetry of apparently hexagonal BaAl2O4. *Journal of Solid State Chemistry*, **2008**, 181, 1816-1823	3.3	28
174	The role of orbital ordering in the tetragonal-to-cubic phase transition in CuCr2O4. *Journal of Solid State Chemistry*, **2008**, 181, 2227-2230	3.3	31
173	Structural and electronic phase transitions in Sr1□CexMnO3 perovskites. *Journal of Solid State Chemistry*, **2008**, 181, 2639-2645	3.3	24
172	Phase and valence transitions in Ba2LnSnxSb1□O6□(Ln=Pr and Tb). *Journal of Solid State Chemistry*, **2008**, 181, 2941-2952	3.3	11
171	Phase and valence transitions in Ba2LnSnxNb1□O6□*Journal of Solid State Chemistry*, **2008**, 181, 2994-3004	3.3	5
170	The stability of Na-doped Bi2(NbCr)O7□ pyrochlores: The non-existence of □BiNa)(NbCr)O6□ *Journal of Physics and Chemistry of Solids*, **2008**, 69, 918-922	3.9	4
169	Structure and dehydration of the pyrochlore system NaW2□MoyO6+□nH2□O between 10 and 675K. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 1632-1640	3.9	4
168	Sequential Jahn□eller and tilting transitions in the mixed Ru Mn perovskite SrRu0.5Mn0.5O3. *Solid State Communications*, **2008**, 147, 208-211	1.6	16
167	Cation Substitution in Defect Thiospinels: Structural and Magnetic Properties of GaV4-xMoxS8 (0□□). *Chemistry of Materials*, **2007**, 19, 5035-5044	9.6	16
166	Structural phase transitions and crystal chemistry of the series Ba2LnB?O6 (Ln=lanthanide and B?=Nb5+ or Sb5+). *Journal of Solid State Chemistry*, **2007**, 180, 401-409	3.3	67

165	Three-layer Aurivillius phases containing magnetic transition metal cations: Bi2Sr2+x(Nb,Ta)2+xM1O12, M=Ru4+, Ir4+, Mn4+, x0.5. *Journal of Solid State Chemistry*, **2007**, 180, 370-376	3.3	19
164	Crystal structure of Ln1/3NbO3 (Ln=Nd, Pr) and phase transition in Nd1/3NbO3. *Journal of Solid State Chemistry*, **2007**, 180, 1846-1851	3.3	20
163	Structures and crystal chemistry of the double perovskites Ba2LnB?O6 (Ln=lanthanide and B?=Nb, Ta):. *Journal of Solid State Chemistry*, **2007**, 180, 3001-3007	3.3	25
162	A variable temperature structural study of the JahnTeller distortion in Ba2CuUO6. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 1643-1647	3.9	15
161	The application of synchrotron radiation induced X-ray emission in the measurement of zinc and lead in Wistar rat ameloblasts. *Archives of Oral Biology*, **2007**, 52, 938-44	2.8	10
160	Crystal structures and phase transitions in Ba2HoTaO6. *Materials Research Bulletin*, **2007**, 42, 1875-1880	5.1	12
159	Composition and temperature dependent phase transitions in CoN double perovskites, a synchrotron X-ray and neutron powder diffraction study. *Journal of Solid State Chemistry*, **2007**, 180, 541-548	3.3	37
158	Structures and crystal chemistry of the double perovskites Ba2LnB?O6 (Ln=lanthanide B?=Nb5+ and Ta5+): Part I. Investigation of Ba2LnTaO6 using synchrotron X-ray and neutron powder diffraction. *Journal of Solid State Chemistry*, **2007**, 180, 2991-3000	3.3	41
157	Composition- and temperature-dependent phase transitions in 1:3 ordered perovskites Ba4SrxNaSb3O12. *Journal of Solid State Chemistry*, **2007**, 180, 3082-3092	3.3	7
156	The High Resolution Powder Diffraction Beamline for the Australian Synchrotron. *AIP Conference Proceedings*, **2007**,	0	221
155	Neutron powder diffraction studies of Ca2SrxCoWO6 double perovskites. *Physica B: Condensed Matter*, **2006**, 385-386, 190-192	2.8	5
154	The JahnTeller distortion and cation ordering in the perovskite Sr2MnSbO6. *Journal of Solid State Chemistry*, **2006**, 179, 1775-1781	3.3	32
153	Local crystal chemistry, structured diffuse scattering and the dielectric properties of (Bi1Yx)2(MIIINbV)O7 (M=Fe3+, In3+) Bi-pyrochlores. *Journal of Solid State Chemistry*, **2006**, 179, 2495-2505	3.3	27
152	The nature of the orthorhombic to tetragonal phase transition in Sr1CaxMnO3. *Journal of Solid State Chemistry*, **2006**, 179, 3568-3574	3.3	22
151	Synthesis and structural studies of cation-substituted Aurivillius phases ASrBi2Nb2TiO12. *Journal of Solid State Chemistry*, **2006**, 179, 3744-3750	3.3	11
150	Spatial distribution of lead in human primary teeth as a biomarker of pre- and neonatal lead exposure. *Science of the Total Environment*, **2006**, 371, 55-62	10.2	55
149	Effect of structure and thermodynamic stability on the response of lanthanide stannate pyrochlores to ion beam irradiation. *Journal of Physical Chemistry B*, **2006**, 110, 2343-50	3.4	150
148	Implications of the solubility of trivalent lanthanides in AAl2O4 (A=Ca, Sr, and Ba) for their role in phosphors. *Powder Diffraction*, **2006**, 21, 285-288	1.8	2

147	Structures and phase transitions in the ordered double perovskites Ba2BiIIIBiVO6 and Ba2BiIIISbVO6. *Acta Crystallographica Section B: Structural Science*, **2006**, 62, 537-46		96
146	Structure of the hydrated pyrochlore NaW2O6·nH2O. *Physica B: Condensed Matter*, **2006**, 385-386, 91-93	2.8	5
145	Synthesis and structures of chromium double perovskites A2CrTaO6 (A=Sr, Ca). *Physica B: Condensed Matter*, **2006**, 385-386, 184-186	2.8	5
144	Structural studies of oxygen deficient lanthanide containing double perovskites. *Physica B: Condensed Matter*, **2006**, 385-386, 187-189	2.8	
143	Thermal expansion and structure of orthorhombic CaMnO3. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 1595-1598	3.9	52
142	Lanthanide distribution in some doped alkaline earth aluminates and gallates. *Journal of Solid State Chemistry*, **2006**, 179, 613-622	3.3	28
141	Synthesis, structures and phase transitions in the double perovskites Sr2−xCaxCrNbO6. *Journal of Solid State Chemistry*, **2006**, 179, 2487-2494	3.3	11
140	Synthesis and Structural Studies of the A-Site Substituted Bismuth Double Perovskites, Ba2-xSrxLuBiO6. *Chemistry of Materials*, **2005**, 17, 1905-1909	9.6	12
139	Structural Phase Transitions in A2-xSrxNiWO6(A = Ca or Ba, 0 ≤ x ≤ 2) Double Perovskites. *Chemistry of Materials*, **2005**, 17, 5357-5365	9.6	42
138	Nuclear magnetic resonance analysis of indomethacin-induced gastric ulcers. *Chemical Research in Toxicology*, **2005**, 18, 123-8	4	15
137	Pressure and temperature-dependent structural studies of Ba2BiTaO6. *Journal of Solid State Chemistry*, **2005**, 178, 207-211	3.3	31
136	Temperature and pressure dependent structural studies of the ordered double perovskites Sr2TbRu1−xIrxO6. *Journal of Solid State Chemistry*, **2005**, 178, 2282-2291	3.3	11
135	Independent structural and valence state transitions in the cation-ordered double perovskites Ba2−xSrxTbIrO6. *Journal of Solid State Chemistry*, **2005**, 178, 3589-3594	3.3	7
134	Negative thermal expansion and phase transition behaviour in Ag2O. *Solid State Communications*, **2005**, 136, 177-180	1.6	26
133	Spatial distribution of lead in enamel and coronal dentine of wistar rats. *Biological Trace Element Research*, **2005**, 105, 159-70	4.5	21
132	High temperature structural studies of Ba2BiTaO6. *Solid State Sciences*, **2005**, 7, 287-291	3.4	14
131	Thermal expansion and cation disorder in Bi2InNbO7. *Journal of Solid State Chemistry*, **2005**, 178, 1575-1579	3.3	21
130	Structures of the ordered double perovskites Sr2YTaO6 and Sr2YNbO6. *Acta Crystallographica Section B: Structural Science*, **2005**, 61, 258-62		23

129	Strain mechanism for order-parameter coupling through successive phase transitions in PrAlO3. *Physical Review B*, **2005**, 72,	3.3	62
128	Temperature-induced structural changes in CaCl2,CaBr2, and CrCl2: A synchrotron x-ray powder diffraction study. *Physical Review B*, **2005**, 72,	3.3	22
127	Structural phase transitions in the ferroelectric oxides Ba1´xPbxBi2Nb2O9(x= 0.375,0.625). *Journal of Physics Condensed Matter*, **2004**, 16, 5443-5452	1.8	11
126	Magnetostriction in a simple trivalent manganese perovskite. *Physical Review B*, **2004**, 69,	3.3	13
125	Synchrotron x-ray powder diffraction study of the structural phase transition in CaBr2. *Physical Review B*, **2004**, 70,	3.3	9
124	Static bismuth disorder in Bi2(CrTa)O7. *Materials Research Bulletin*, **2004**, 39, 553-560	5.1	17
123	High temperature structural studies of SrRhO3. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 1065-1069	3.1	24
122	High-temperature powder synchrotron diffraction studies of synthetic cryolite Na3AlF6. *Journal of Solid State Chemistry*, **2004**, 177, 654-659	3.3	29
121	High temperature structure of BaBiO3 synchrotron X-ray powder diffraction study. *Solid State Communications*, **2004**, 132, 389-392	1.6	26
120	Valence and structural transitions in the mixed Ru perovskites Ba2PrRu1IrxO6. *Journal of Solid State Chemistry*, **2004**, 177, 3290-3300	3.3	22
119	Structural studies of five layer Aurivillius oxides: A2Bi4Ti5O18 (A=Ca, Sr, Ba and Pb). *Journal of Solid State Chemistry*, **2004**, 177, 4188-4196	3.3	52
118	Phase transition behaviour in the A-site deficient perovskite oxide La1/3NbO3. *Journal of Solid State Chemistry*, **2004**, 177, 4552-4556	3.3	59
117	Spatial distribution of lead in the roots of human primary teeth. *Journal of Trace Elements in Medicine and Biology*, **2004**, 18, 135-9	4.1	15
116	Pressure induced valence and structural phase transition in Ba2PrRu0.8Ir0.2O6. *Journal of Physics Condensed Matter*, **2004**, 16, 3295-3301	1.8	15
115	Structures and phase transitions in Sr1BaxHfO3 perovskites. *Journal of Materials Chemistry*, **2004**, 14, 263-273		36
114	NMR spectroscopic characterization of copper(II) and zinc(II) complexes of indomethacin. *Inorganic Chemistry*, **2004**, 43, 2943-6	5.1	27
113	Cd-Substituted Goethites A Structural Investigation by Synchrotron X-ray Diffraction. *Clays and Clay Minerals*, **2003**, 51, 397-402	2.1	31
112	Structural Studies of the Ferroelectric Phase Transition in Bi4Ti3O12. *Chemistry of Materials*, **2003**, 15, 5025-5028	9.6	45

111	Solubility of SrAl2O4 in CaAl2O4 high resolution powder diffraction study. *Materials Research Bulletin*, **2003**, 38, 79-87	5.1	12
110	Heavy metals in cement phases: on the solubility of Mg, Cd, Pb and Ba in Ca3Al2O6. *Cement and Concrete Research*, **2003**, 33, 1077-1084	10.3	9
109	Cation and anion ordering in the layered oxyfluorides Sr3AxAlO4F (A=Ba, Ca). *Journal of Solid State Chemistry*, **2003**, 172, 89-94	3.3	48
108	Structural and spectroscopic studies of BiTa1NbxO4. *Journal of Solid State Chemistry*, **2003**, 174, 310-318	3.3	36
107	Structural phase transitions in the layered bismuth oxide BaBi4Ti4O15. *Solid State Communications*, **2003**, 126, 653-658	1.6	67
106	Ordered double perovskites -- a group-theoretical analysis. *Acta Crystallographica Section B: Structural Science*, **2003**, 59, 463-71		400
105	XAFS studies of anti-inflammatory dinuclear and mononuclear Zn(II) complexes of indomethacin. *Inorganic Chemistry*, **2003**, 42, 8557-66	5.1	24
104	Gastrointestinal toxicity, antiinflammatory activity, and superoxide dismutase activity of copper and zinc complexes of the antiinflammatory drug indomethacin. *Chemical Research in Toxicology*, **2003**, 16, 28-37	4	80
103	Structural and Electronic Properties of the Ru Pyrochlores Bi2-yYbyRu2O7- *Chemistry of Materials* , **2003**, 15, 4060-4067	9.6	22
102	Carbon Supported Pt+Os Catalysts for Methanol Oxidation. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2002**, 57, 193-201	1	9
101	Powder X-ray diffraction study of the rhombohedral to cubic phase transition in TiF3. *Materials Research Bulletin*, **2002**, 37, 77-83	5.1	32
100	Synthesis and Evolution of the Crystalline Phases in Ca1SrxAl2O4. *Journal of Solid State Chemistry*, **2002**, 168, 229-236	3.3	25
99	Neutron powder diffraction study of the rhombohedral to cubic phase transition in the series La1-xPrxAlO3. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s1660-s1663	2.6	18
98	First order orthorhombic-to-tetragonal phase transition in Sr0.5Ba0.5HfO3. *Solid State Communications*, **2002**, 122, 355-358	1.6	4
97	Structural studies of rhodium doped Sr 2 RuO 4. *Journal of Physics and Chemistry of Solids*, **2002**, 63, 2093-2100	3.9	4
96	Copper complexes of non-steroidal anti-inflammatory drugs: an opportunity yet to be realized. *Coordination Chemistry Reviews*, **2002**, 232, 95-126	23.2	423
95	Phase separation induced by hydration of the mixed Ca/Sr aluminates Ca3SrxAl2O6: A crystallographic study. *Cement and Concrete Research*, **2002**, 32, 647-655	10.3	14
94	Hard X-ray microprobe studies of chromium(VI)-treated V79 Chinese hamster lung cells: intracellular mapping of the biotransformation products of a chromium carcinogen. *Journal of Biological Inorganic Chemistry*, **2002**, 7, 640-5	3.7	50

93	Antiferrodistortive phase transition in Pb(Ti0.48Zr0.52)O3: Space group of the lowest temperature monoclinic phase. *Physical Review B*, **2002**, 65,	3.3	84
92	Powder neutron diffraction study of the antiferroelectric phase transition in Sr0.75Ca0.25TiO3. *Journal of Applied Physics*, **2002**, 91, 4447-4452	2.5	20
91	Phase transition in BaBi2Nb2O9: Implications for layered ferroelectrics. *Physical Review B*, **2002**, 66,	3.3	27
90	Synchrotron x-ray diffraction reexamination of the sequence of high-temperature phases in SrRuO3. *Physical Review B*, **2002**, 65,	3.3	94
89	Polymorphism and Phase Transitions in Bis(glycinato)copper(II). A Powder Diffraction Study. *Australian Journal of Chemistry*, **2002**, 55, 331	1.2	18
88	High-temperature structural studies of PbBi2M2O9(M ´Nb and Ta). *Journal of Physics Condensed Matter*, **2002**, 14, 7955-7962	1.8	11
87	Structural Phase Transitions in the Ferroelectric Oxide SrBi 2 Ta 2 O 9. *Integrated Ferroelectrics*, **2002**, 44, 101-112	0.8	29
86	High-Temperature Structural Studies of SrPbO3 and BaPbO3. *Australian Journal of Chemistry*, **2002**, 55, 543	1.2	16
85	Pressure-Induced Phase Transition in PrAlO3. *Chemistry of Materials*, **2002**, 14, 2644-2648	9.6	27
84	An Investigation of Possible Fluorosis in Human Dentition Using Synchrotron Radiation. *Journal of Archaeological Science*, **2002**, 29, 811-817	2.9	8
83	Structural variants in ABO3 type perovskite oxides. On the structure of BaPbO3. *Solid State Communications*, **2001**, 119, 549-552	1.6	20
82	Crystal Structures and Phase Transitions in the SrTiO3–SrZrO3 Solid Solution. *Journal of Solid State Chemistry*, **2001**, 156, 255-263	3.3	43
81	Cation Disorder in the Ferroelectric Oxides ABi2Ta2O9, A=Ca, Sr, Ba. *Journal of Solid State Chemistry*, **2001**, 160, 174-177	3.3	55
80	Space Group and Structure for the Perovskite Ca0.5Sr0.5TiO3. *Journal of Solid State Chemistry*, **2001**, 160, 8-12	3.3	54
79	The Influence of Composition and Temperature on the Phases in Sr1−xBaxZrO3 Perovskites: A High-Resolution Powder Diffraction Study. *Journal of Solid State Chemistry*, **2001**, 161, 106-112	3.3	47
78	Preparation and characterization of dinuclear copper(II) indomethacin anti-inflammatory drugs. *Inorganica Chimica Acta*, **2001**, 324, 150-161	2.7	66
77	Pressure-induced orthorhombic to rhombohedral phase transition in LaGaO3. *Journal of Physics Condensed Matter*, **2001**, 13, L925-L930	1.8	26
76	Structural studies of the distorted perovskite Ca0.25Cu0.75TiO3. *Materials Research Bulletin*, **2001**, 36, 2525-2529	5.1	74

75	Low temperature structural studies on PrAlO3. *Journal of Physics Condensed Matter*, **2001**, 13, L203-L209	1.8	37
74	Determination of the structures of antiinflammatory copper(II) dimers of indomethacin by multiple-scattering analyses of X-ray absorption fine structure data. *Inorganic Chemistry*, **2001**, 40, 1295-302	5.1	51
73	Cation Disorder in Pb-Doped SrBi2Nb2O9. *Chemistry of Materials*, **2001**, 13, 4612-4617	9.6	15
72	Structural Studies of the Metal□Nonmetal Transition in Ru Pyrochlores. *Journal of Solid State Chemistry*, **2000**, 151, 25-30	3.3	18
71	Structural Characterization of the Perovskite Series La1□xSrxCr1□xTixO3. *Journal of Solid State Chemistry*, **2000**, 155, 455-457	3.3	17
70	Recovery of chromate from electroplating sludge. *Waste Management and Research*, **2000**, 18, 380-385	4	1
69	Neutron powder diffraction study of rhombohedral rare-earth aluminates and the rhombohedral to cubic phase transition. *Journal of Physics Condensed Matter*, **2000**, 12, 349-365	1.8	197
68	Synthesis and Structural Studies of Strontium-Substituted Tricalcium Aluminate Ca3-xSrxAl2O6. *Australian Journal of Chemistry*, **2000**, 53, 195	1.2	13
67	Structural and magnetic studies of manganese-containing pyrochlore oxides. *Journal of Alloys and Compounds*, **2000**, 302, 94-100	5.7	13
66	Structural studies of cation disorder in the ferroelectric oxide SrBi2Ta2O9. *Ferroelectrics*, **2000**, 248, 27-32	0.6	8
65	Syntheses and characterization of anti-inflammatory dinuclear and mononuclear zinc indomethacin complexes. Crystal structures of [Zn2(indomethacin)4(L)2] (L = N,N-dimethylacetamide, pyridine, 1-methyl-2-pyrrolidinone) and [Zn(indomethacin)2(L1)2] (L1 = ethanol, methanol). *Inorganic Chemistry*, **2000**, 39, 3742-8	5.1	140
64	The structural phase transitions in strontium zirconate revisited. *Journal of Physics Condensed Matter*, **2000**, 12, L677-L683	1.8	160
63	High-temperature phase transitions in SrZrO3. *Physical Review B*, **1999**, 59, 4023-4027	3.3	215
62	High-temperature phase transitions in SrHfO3. *Physical Review B*, **1999**, 60, 2972-2975	3.3	123
61	Phase transitions in perovskite at elevated temperatures - a powder neutron diffraction study. *Journal of Physics Condensed Matter*, **1999**, 11, 1479-1488	1.8	219
60	The orthorhombic and rhombohedral phases of - a neutron powder diffraction study. *Journal of Physics Condensed Matter*, **1999**, 11, 3229-3236	1.8	61
59	Phase transformation in CuRh2O4: a powder neutron diffraction study. *Materials Research Bulletin*, **1999**, 34, 135-143	5.1	11
58	Observations on pyrochlore oxide structures. *Materials Research Bulletin*, **1999**, 34, 1263-1274	5.1	24

57	Temperature-Dependent Structural Behavior of Bi0.5Nd1.5Ru2O7. *Journal of Solid State Chemistry*, **1999**, 144, 467-469	3.3	3
56	Sr3MO4F (M=Al, Ga)A New Family of Ordered Oxyfluorides. *Journal of Solid State Chemistry*, **1999**, 144, 228-231	3.3	59
55	Anti-Inflammatory Dinuclear Copper(II) Complexes with Indomethacin. Synthesis, Magnetism and EPR Spectroscopy. Crystal Structure of the N,N-Dimethylformamide Adduct. *Inorganic Chemistry*, **1999**, 38, 1736-1744	5.1	118
54	Powder neutron diffraction study of the high temperature phase transitions in NaTaO3. *Journal of Physics Condensed Matter*, **1999**, 11, 6319-6327	1.8	87
53	Effect of temperature on cation disorder in ABi2Nb2O9 (A=Sr, Ba). *Journal of Materials Chemistry*, **1999**, 9, 541-544		99
52	Similarities and Differences in the Structural and Electronic Properties of Ruthenium and Iridium PyrochloresA2M2O7(M=Ru, Ir). *Journal of Solid State Chemistry*, **1998**, 136, 269-273	3.3	37
51	Cation disorder in the ferroelectric Aurivillius phase PbBi2Nb2O9: an anamolous dispersion X-ray diffraction study. *Solid State Ionics*, **1998**, 112, 281-289	3.3	53
50	Crystal Structures of AuCN and AgCN and Vibrational Spectroscopic Studies of AuCN, AgCN, and CuCN. *Inorganic Chemistry*, **1998**, 37, 3968-3974	5.1	129
49	High-temperature phases of SrRuO3. *Physical Review B*, **1998**, 58, 653-658	3.3	113
48	Studies of the Crystalline Forms of Bis(Glycinato)Copper(II). *Materials Science Forum*, **1998**, 278-281, 912-917		2
47	Structural trends in Bi containing pyrochlores: The structure of Bi2Rh2O7 *Materials Research Bulletin*, **1997**, 32, 479-483	5.1	28
46	Structural trends in pyrochlore-type oxides. *Physica B: Condensed Matter*, **1997**, 241-243, 303-310	2.8	23
45	Surface Segregation and Oxygen Vacancy Ordering in Defect Pyrochlores. *Journal of Solid State Chemistry*, **1997**, 130, 81-89	3.3	17
44	Structural and Bonding Trends in Tin Pyrochlore Oxides. *Journal of Solid State Chemistry*, **1997**, 130, 58-65	3.3	191
43	Bonding and Structural Variations in Doped Bi2Sn2O7. *Journal of Solid State Chemistry*, **1997**, 131, 317-325	3.3	34
42	Neutron Powder Diffraction Study of Sr2SnO4 and Ba2SnO4. *Australian Journal of Chemistry*, **1997**, 50, 917	1.2	20
41	Oxygen Vacancies in Pyrochlore Oxides: Powder Neutron Diffraction Study of Pb2Ir2O6.5and Bi2Ir2O7. *Journal of Solid State Chemistry*, **1996**, 123, 14-20	3.3	77
40	Structure ofABi2Nb2O9(A= Sr, Ba): Refinement of Powder Neutron Diffraction Data. *Journal of Solid State Chemistry*, **1996**, 126, 135-141	3.3	91

39	Structural and Bonding Trends in Ruthenium Pyrochlores. *Journal of Solid State Chemistry*, **1996**, 126, 261-270	3.3	75
38	Structural and Surface Properties of Bi3(MSb2)O11(M= Al, Ga). *Journal of Solid State Chemistry*, **1996**, 127, 178-185	3.3	14
37	Structural Trends in Pyrochlore Oxides. *Materials Science Forum*, **1996**, 228-231, 753-758	0.4	14
36	Refinement of Powder Diffraction Data Collected Using Imaging Plates. *Materials Science Forum*, **1996**, 228-231, 113-118	0.4	
35	Preparation and structure of BiCaRu2O7. *Journal of Solid State Chemistry*, **1995**, 119, 254-259	3.3	11
34	Powder diffraction using imaging plates at the Australian National Beamline Facility at the Photon Factory. *Review of Scientific Instruments*, **1995**, 66, 1351-1353	1.7	30
33	Neutron powder diffraction study of deuterium ordering in phase PdD at low temperatures. *Journal of Alloys and Compounds*, **1995**, 231, 108-114	5.7	9
32	Effect of nafion on geometry and axial ligation in manganese (III) tetraphenylporphyrins. *Journal of Raman Spectroscopy*, **1995**, 26, 981-989	2.3	4
31	A Powder Neutron Diffraction Study of Semiconducting and Metallic Niobium Dioxide. *Journal of Solid State Chemistry*, **1994**, 113, 9-14	3.3	71
30	Oxidative stability of bismuth-ruthenium pyrochlore Bi2Ru2O7. *Journal of Electroanalytical Chemistry*, **1994**, 368, 235-239	4.1	17
29	X-ray powder diffraction study of BiSbO4. *Powder Diffraction*, **1994**, 9, 164-167	1.8	13
28	Characterisation of carbon-supported PtSn bimetallic catalysts for the electrochemical oxidation of methanol. *Journal of the Chemical Society, Faraday Transactions*, **1993**, 89, 151-157		18
27	Surface stability of bismuth-ruthenium oxide electrodes. *Langmuir*, **1993**, 9, 1862-1867	4	15
26	Structure refinement and calculated X-ray powder data for the pyrochlore Y2Sn2O7 derived from powder neutron data. *Powder Diffraction*, **1993**, 8, 245-248	1.8	10
25	Nafion-supported metal complexes: a resonance Raman and UV visible spectroscopic study. *Journal of Raman Spectroscopy*, **1993**, 24, 897-901	2.3	8
24	Potential-dependent surface segregation in lead + ruthenium pyrochlore Pb2Ru2O7-y. *Journal of Electroanalytical Chemistry*, **1993**, 353, 71-80	4.1	15
23	Spectroelectrochemical studies of hexachlorometallates. Optical charge transfer spectra of [MCl6]1 anions. *Inorganica Chimica Acta*, **1992**, 195, 101-108	2.7	5
22	An X-ray photoelectron spectroscopic study of the influence of electrode fabrication on carbon supported Pt + Ru electrodes. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 302, 261-268		8

21	Metal-metal bonding and charge localisation in [Ru2X9]n□X?Cl or Br; n=1, 2, 3, 4. A spectroelectrochemical study. *Inorganica Chimica Acta*, **1991**, 190, 265-269	2.7	14
20	The preparation and optical charge transfer spectrum of the hexachlororhenium(V) anion. *Inorganica Chimica Acta*, **1991**, 187, 149-153	2.7	4
19	Pt$z.sbnd;Ru anodes for methanol electrooxidation: A ruthenium-99 M?ssbauer study. *Journal of Catalysis*, **1990**, 124, 30-40	7.3	38
18	Porous carbon anodes for the direct methanol fuel cell□ The role of the reduction method for carbon supported platinum electrodes. *Electrochimica Acta*, **1990**, 35, 199-207	6.7	73
17	Reactivity of RuO2 as a promoter for methanol oxidation. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1990**, 293, 103-110		25
16	Bimetallic carbon supported anodes for the direct methanol-air fuel cell. *Electrochimica Acta*, **1988**, 33, 1613-1618	6.7	105
15	Base metal oxides as promotors for the electrochemical oxidation of methanol. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1988**, 240, 349-353		32
14	Variable-temperature magnetic, spectral, and x-ray crystallographic studies of "spin-crossover" iron(III) Schiff-base-Lewis-base adducts. Influence of noncoordinated anions on spin-state interconversion dynamics in [Fe(salen)(imd)2]Y species (Y = ClO4-, BF4-, PF6-, BPh4-; imd = imidazole). *Inorganic Chemistry*, **1987**, 26, 483-495	5.1	101
13	Metal□gand bonding parameters and magnetic properties of some previously reported tetragonal nickel(II) complexes. *Journal of the Chemical Society Dalton Transactions*, **1987**, 825-830		12
12	XPS investigation of platinized carbon electrodes for the direct methanol air fuel cell. *Electrochimica Acta*, **1987**, 32, 1233-1238	6.7	66
11	Iron(IV)phthalocyanines. Magnetic and spectral features of □itrido-iron-phthalocyanine, (FePc)2N and of some oxidized derivatives. *Inorganica Chimica Acta*, **1987**, 134, 19-21	2.7	39
10	Magnetic properties of high-spin and spin-crossover five-coordinate cobalt(II) Schiff base compounds. *Inorganica Chimica Acta*, **1987**, 134, 249-254	2.7	11
9	Zero-field splitting and magnetic exchange in chloro(N,N?-ethylenebis(3-methoxysalicylaldimine)-iron(III) Hydrate, [Fe(3-MeO-salen)Cl(H2O)]. *Inorganica Chimica Acta*, **1987**, 132, 153-155	2.7	5
8	Structural and electronic properties of six-coordinate Lewis-base adducts of iron(III) Schiff-base complexes. Crystal structure and magnetism of the high-spin complex [(imidazole)Fe(salen)(NCS)]-0□5 MeOH and of a related complex containing two dissimilar axial ligands. *Proceedings of the Indian Academy of Sciences - Section A*, **1987**, 98, 99		2
7	Spin states in iron(III) phthalocyanines studied by Moessbauer, magnetic susceptibility, and ESR measurements. *Inorganic Chemistry*, **1986**, 25, 2539-2545	5.1	87
6	Structural and electronic properties of six-coordinate mixed aquo(imidazole)iron(III) Schiff-base complexes. Crystal structure of [Fe(3-MeO-salen)(5-Ph-imd)(H2O)]BPh4. *Inorganic Chemistry*, **1985**, 24, 1647-1653	5.1	30
5	Magnetic properties and zero-field splitting in high-spin manganese(III) complexes. 2. Axially ligated manganese(III) porphyrin complexes. *Inorganic Chemistry*, **1985**, 24, 1557-1560	5.1	58
4	.mu.-Oxo iron(III) phthalocyanine. Electronic structure of the solid form obtained from a dihydroxoiron(III) precursor. *Inorganic Chemistry*, **1985**, 24, 3302-3305	5.1	36

3	Magnetic properties and zero-field splitting in high-spin manganese(III) complexes. 1. Mononuclear and polynuclear Schiff-base chelates. *Inorganic Chemistry*, **1985**, 24, 1552-1557	5.1	241
2	Cholorophthalocyanine iron(III) FePc(□)Cl. A spin-admixed (S = / S = (frsol|5/2) system. *Inorganica Chimica Acta*, **1984**, 81, L29-L31	2.7	22
1	Spin-state differences and spin crossover in five-coordinate Lewis base adducts of cobalt(II) Schiff base complexes. Structure of the high-spin (N,N'-o-phenylenebis(salicylaldiminato))cobalt(II)-2-methylimidazole adduct. *Inorganic Chemistry*, **1984**, 23, 580-588	5.1	75