

Brendan J Kennedy

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#	Paper	IF	Citations
344	Copper complexes of non-steroidal anti-inflammatory drugs: an opportunity yet to be realized. <i>Coordination Chemistry Reviews</i> , 2002 , 232, 95-126	23.2	423
343	Ordered double perovskites -- a group-theoretical analysis. <i>Acta Crystallographica Section B: Structural Science</i> , 2003 , 59, 463-71		400
342	Magnetic properties and zero-field splitting in high-spin manganese(III) complexes. 1. Mononuclear and polynuclear Schiff-base chelates. <i>Inorganic Chemistry</i> , 1985 , 24, 1552-1557	5.1	241
341	The High Resolution Powder Diffraction Beamline for the Australian Synchrotron. <i>AIP Conference Proceedings</i> , 2007 ,	0	221
340	Phase transitions in perovskite at elevated temperatures - a powder neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 1479-1488	1.8	219
339	High-temperature phase transitions in SrZrO ₃ . <i>Physical Review B</i> , 1999 , 59, 4023-4027	3.3	215
338	Neutron powder diffraction study of rhombohedral rare-earth aluminates and the rhombohedral to cubic phase transition. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 349-365	1.8	197
337	Structural and Bonding Trends in Tin Pyrochlore Oxides. <i>Journal of Solid State Chemistry</i> , 1997 , 130, 58-65.	3.3	191
336	The structural phase transitions in strontium zirconate revisited. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, L677-L683	1.8	160
335	Effect of structure and thermodynamic stability on the response of lanthanide stannate pyrochlores to ion beam irradiation. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 2343-50	3.4	150
334	Syntheses and characterization of anti-inflammatory dinuclear and mononuclear zinc indomethacin complexes. Crystal structures of [Zn ₂ (indomethacin) ₄ (L) ₂] (L = N,N-dimethylacetamide, pyridine, 1-methyl-2-pyrrolidinone) and [Zn(indomethacin) ₂ (L1) ₂] (L1 = ethanol, methanol). <i>Inorganic Chemistry</i> , 2000 , 39, 3742-6	5.1	140
333	Crystal Structures of AuCN and AgCN and Vibrational Spectroscopic Studies of AuCN, AgCN, and CuCN. <i>Inorganic Chemistry</i> , 1998 , 37, 3968-3974	5.1	129
332	High-temperature phase transitions in SrHfO ₃ . <i>Physical Review B</i> , 1999 , 60, 2972-2975	3.3	123
331	Anti-Inflammatory Dinuclear Copper(II) Complexes with Indomethacin. Synthesis, Magnetism and EPR Spectroscopy. Crystal Structure of the N,N-Dimethylformamide Adduct. <i>Inorganic Chemistry</i> , 1999 , 38, 1736-1744	5.1	118
330	High-temperature phases of SrRuO ₃ . <i>Physical Review B</i> , 1998 , 58, 653-658	3.3	113
329	Bimetallic carbon supported anodes for the direct methanol-air fuel cell. <i>Electrochimica Acta</i> , 1988 , 33, 1613-1618	6.7	105
328	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 = ClO ₄ ⁻ , BF ₄ ⁻ , PF ₆ ⁻ , BPh ₄ ⁻ ; imd = imidazole). <i>Inorganic Chemistry</i> , 1997 , 36, 483-495	5.1	101

- 327 Effect of temperature on cation disorder in $\text{ABi}_2\text{Nb}_2\text{O}_9$ (A=Sr, Ba). *Journal of Materials Chemistry*, **1999**, 9, 541-544 99
- 326 Structures and phase transitions in the ordered double perovskites $\text{Ba}_2\text{BiIII}(\text{BiVO}_6)$ and $\text{Ba}_2\text{BiIII}(\text{SbVO}_6)$. *Acta Crystallographica Section B: Structural Science*, **2006**, 62, 537-46 96
- 325 Synchrotron x-ray diffraction reexamination of the sequence of high-temperature phases in SrRuO_3 . *Physical Review B*, **2002**, 65, 3-3 94
- 324 Thermal expansion matching via framework flexibility in zinc dicyanometallates. *Journal of the American Chemical Society*, **2009**, 131, 6334-5 16.4 91
- 323 Structure of $\text{ABi}_2\text{Nb}_2\text{O}_9$ (A= Sr, Ba): Refinement of Powder Neutron Diffraction Data. *Journal of Solid State Chemistry*, **1996**, 126, 135-141 3-3 91
- 322 High temperature magnetic ordering in the 4d perovskite SrTcO_3 . *Physical Review Letters*, **2011**, 106, 067201 7-4 88
- 321 Powder neutron diffraction study of the high temperature phase transitions in NaTaO_3 . *Journal of Physics Condensed Matter*, **1999**, 11, 6319-6327 1.8 87
- 320 Spin states in iron(III) phthalocyanines studied by Moessbauer, magnetic susceptibility, and ESR measurements. *Inorganic Chemistry*, **1986**, 25, 2539-2545 5-1 87
- 319 Does local disorder occur in the pyrochlore zirconates?. *Inorganic Chemistry*, **2012**, 51, 13237-44 5-1 86
- 318 Antiferrodistortive phase transition in $\text{Pb}(\text{Ti}_{0.48}\text{Zr}_{0.52})\text{O}_3$: Space group of the lowest temperature monoclinic phase. *Physical Review B*, **2002**, 65, 3-3 84
- 317 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
- 316 Oxygen Vacancies in Pyrochlore Oxides: Powder Neutron Diffraction Study of $\text{Pb}_2\text{Ir}_2\text{O}_6$ and $\text{Bi}_2\text{Ir}_2\text{O}_7$. *Journal of Solid State Chemistry*, **1996**, 123, 14-20 3-3 77
- 315 Cation disorder and phase transitions in the four-layer ferroelectric Aurivillius phases $\text{ABi}_4\text{Ti}_4\text{O}_{15}$ (A=Ca, Sr, Ba, Pb). *Journal of Solid State Chemistry*, **2008**, 181, 1377-1386 3-3 75
- 314 Structural and Bonding Trends in Ruthenium Pyrochlores. *Journal of Solid State Chemistry*, **1996**, 126, 261-270 3-3 75
- 313 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
- 312 Structural studies of the distorted perovskite $\text{Ca}_{0.25}\text{Cu}_{0.75}\text{TiO}_3$. *Materials Research Bulletin*, **2001**, 36, 2525-2529 5-1 74
- 311 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
- 310 A Powder Neutron Diffraction Study of Semiconducting and Metallic Niobium Dioxide. *Journal of Solid State Chemistry*, **1994**, 113, 9-14 3-3 71

309	Investigating the Local Structure of Lanthanoid Hafnates Ln ₂ Hf ₂ O ₇ via Diffraction and Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2266-2273	3.8	70
308	Structural phase transitions and crystal chemistry of the series Ba ₂ LnB ₂ O ₆ (Ln=lanthanide and B ³⁺ =Nb ⁵⁺ or Sb ⁵⁺). <i>Journal of Solid State Chemistry</i> , 2007 , 180, 401-409	3.3	67
307	Structural phase transitions in the layered bismuth oxide BaBi ₄ Ti ₄ O ₁₅ . <i>Solid State Communications</i> , 2003 , 126, 653-658	1.6	67
306	Preparation and characterization of dinuclear copper(II) indomethacin anti-inflammatory drugs. <i>Inorganica Chimica Acta</i> , 2001 , 324, 150-161	2.7	66
305	XPS investigation of platinumized carbon electrodes for the direct methanol air fuel cell. <i>Electrochimica Acta</i> , 1987 , 32, 1233-1238	6.7	66
304	Strain mechanism for order-parameter coupling through successive phase transitions in PrAlO ₃ . <i>Physical Review B</i> , 2005 , 72,	3.3	62
303	The orthorhombic and rhombohedral phases of - a neutron powder diffraction study. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 3229-3236	1.8	61
302	Phase transition behaviour in the A-site deficient perovskite oxide La _{1/3} NbO ₃ . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4552-4556	3.3	59
301	Sr ₃ MO ₄ F (M=Al, Ga) - A New Family of Ordered Oxyfluorides. <i>Journal of Solid State Chemistry</i> , 1999 , 144, 228-231	3.3	59
300	Magnetic properties and zero-field splitting in high-spin manganese(III) complexes. 2. Axially ligated manganese(III) porphyrin complexes. <i>Inorganic Chemistry</i> , 1985 , 24, 1557-1560	5.1	58
299	Spatial distribution of lead in human primary teeth as a biomarker of pre- and neonatal lead exposure. <i>Science of the Total Environment</i> , 2006 , 371, 55-62	10.2	55
298	Cation Disorder in the Ferroelectric Oxides ABi ₂ Ta ₂ O ₉ , A=Ca, Sr, Ba. <i>Journal of Solid State Chemistry</i> , 2001 , 160, 174-177	3.3	55
297	Space Group and Structure for the Perovskite Ca _{0.5} Sr _{0.5} TiO ₃ . <i>Journal of Solid State Chemistry</i> , 2001 , 160, 8-12	3.3	54
296	Cation disorder in the ferroelectric Aurivillius phase PbBi ₂ Nb ₂ O ₉ : an anomalous dispersion X-ray diffraction study. <i>Solid State Ionics</i> , 1998 , 112, 281-289	3.3	53
295	Thermal expansion and structure of orthorhombic CaMnO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1595-1598	3.9	52
294	Structural studies of five layer Aurivillius oxides: A ₂ Bi ₄ Ti ₅ O ₁₈ (A=Ca, Sr, Ba and Pb). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4188-4196	3.3	52
293	Determination of the structures of anti-inflammatory copper(II) dimers of indomethacin by multiple-scattering analyses of X-ray absorption fine structure data. <i>Inorganic Chemistry</i> , 2001 , 40, 1295-1302	5.1	51
292	Structural phase transitions and magnetic order in SrTcO ₃ . <i>Dalton Transactions</i> , 2011 , 40, 7228-33	4.3	50

291	Hard X-ray microprobe studies of chromium(VI)-treated V79 Chinese hamster lung cells: intracellular mapping of the biotransformation products of a chromium carcinogen. <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 640-5	3.7	50
290	Cation and anion ordering in the layered oxyfluorides $Sr_3A_xAlO_4F$ (A=Ba, Ca). <i>Journal of Solid State Chemistry</i> , 2003 , 172, 89-94	3.3	48
289	Gradual Structural Evolution from Pyrochlore to Defect-Fluorite in $Y_2Sn_2Zr_xO_7$: Average vs Local Structure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26740-26749	3.8	47
288	The Influence of Composition and Temperature on the Phases in $Sr_{1-x}Ba_xZrO_3$ Perovskites: A High-Resolution Powder Diffraction Study. <i>Journal of Solid State Chemistry</i> , 2001 , 161, 106-112	3.3	47
287	Structural Studies of the Ferroelectric Phase Transition in $Bi_4Ti_3O_{12}$. <i>Chemistry of Materials</i> , 2003 , 15, 5025-5028	9.6	45
286	Crystal Structures and Phase Transitions in the $SrTiO_3/BzZrO_3$ Solid Solution. <i>Journal of Solid State Chemistry</i> , 2001 , 156, 255-263	3.3	43
285	Neutron diffraction study of phase transitions in perovskite-type strontium molybdate $SrMoO_3$. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 250-255	3.3	42
284	Structural Phase Transitions in $A_{2-x}Sr_xNiWO_6$ (A = Ca or Ba, $0 \leq x \leq 2$) Double Perovskites. <i>Chemistry of Materials</i> , 2005 , 17, 5357-5365	9.6	42
283	Structures and crystal chemistry of the double perovskites $Ba_2LnB_2O_6$ (Ln=lanthanide $B^5+=Nb^{5+}$ and Ta^{5+}): Part I. Investigation of Ba_2LnTaO_6 using synchrotron X-ray and neutron powder diffraction. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2991-3000	3.3	41
282	Iron(IV)phthalocyanines. Magnetic and spectral features of trithido-iron-phthalocyanine, $(FePc)_2N$ and of some oxidized derivatives. <i>Inorganica Chimica Acta</i> , 1987 , 134, 19-21	2.7	39
281	The preparation and characterization of vanadium-substituted goethite: The importance of temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 582-593	5.5	38
280	Pt δ -Ru anodes for methanol electrooxidation: A ruthenium-99 Mössbauer study. <i>Journal of Catalysis</i> , 1990 , 124, 30-40	7.3	38
279	Similarities and Differences in the Structural and Electronic Properties of Ruthenium and Iridium Pyrochlores $A_2M_2O_7$ (M=Ru, Ir). <i>Journal of Solid State Chemistry</i> , 1998 , 136, 269-273	3.3	37
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277	Low temperature structural studies on $PrAlO_3$. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L203-L209.	3.8	37
276	Structures and phase transitions in $Sr_{1-x}Ba_xHfO_3$ perovskites. <i>Journal of Materials Chemistry</i> , 2004 , 14, 263-273		36
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273	Simultaneous incorporation of Cr, Zn, Cd, and Pb in the goethite structure. <i>Clays and Clay Minerals</i> , 2009 , 57, 234-250	2.1	35
272	Antiferromagnetism in a technetium oxide. Structure of CaTcO ₃ . <i>Journal of the American Chemical Society</i> , 2011 , 133, 1654-7	16.4	34
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270	Cation antisite disorder in uranium-doped gadolinium zirconate pyrochlores. <i>Journal of Nuclear Materials</i> , 2014 , 452, 474-478	3.3	33
269	The fluorite-pyrochlore transformation of Ho ₂ Nd ₂ Zr ₂ O ₇ . <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2108-2113	3.3	33
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265	Powder X-ray diffraction study of the rhombohedral to cubic phase transition in TiF ₃ . <i>Materials Research Bulletin</i> , 2002 , 37, 77-83	5.1	32
264	Base metal oxides as promoters for the electrochemical oxidation of methanol. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 240, 349-353		32
263	Structural and Magnetic Properties of the Iridium Double Perovskites Ba(2-x)Sr(x)YIrO ₆ . <i>Inorganic Chemistry</i> , 2015 , 54, 10468-76	5.1	31
262	X-ray microdiffraction, TEM characterization and texture analysis of human dentin and enamel. <i>Journal of Microscopy</i> , 2013 , 251, 144-53	1.9	31
261	The role of orbital ordering in the tetragonal-to-cubic phase transition in CuCr ₂ O ₄ . <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2227-2230	3.3	31
260	Cd-Substituted Goethites [A Structural Investigation by Synchrotron X-ray Diffraction. <i>Clays and Clay Minerals</i> , 2003 , 51, 397-402	2.1	31
259	Pressure and temperature-dependent structural studies of Ba ₂ BiTaO ₆ . <i>Journal of Solid State Chemistry</i> , 2005 , 178, 207-211	3.3	31
258	Uncovering system-specific stress signatures in primate teeth with multimodal imaging. <i>Scientific Reports</i> , 2016 , 6, 18802	4.9	31
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- 255 High-temperature powder synchrotron diffraction studies of synthetic cryolite Na_3AlF_6 . *Journal of Solid State Chemistry*, **2004**, 177, 654-659 3.3 29
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- 252 On the microstructure and symmetry of apparently hexagonal BaAl_2O_4 . *Journal of Solid State Chemistry*, **2008**, 181, 1816-1823 3.3 28
- 251 Lanthanide distribution in some doped alkaline earth aluminates and gallates. *Journal of Solid State Chemistry*, **2006**, 179, 613-622 3.3 28
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- 245 Investigating the order-disorder phase transition in $\text{Nd}_{2-x}\text{Y}_x\text{Zr}_2\text{O}_7$ via diffraction and spectroscopy. *Dalton Transactions*, **2013**, 42, 14875-82 4.3 26
- 244 Phase boundary at $x=0.03$ and its anomalous influence on the structure and properties in the lead-free piezoelectric $(1-x)\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3(x)\text{BaTiO}_3$. *Physical Review B*, **2015**, 92, 3.3 26
- 243 Synthesis, structures and properties of transition metal doped SrIrO_3 . *Journal of Materials Chemistry A*, **2013**, 1, 3127 13 26
- 242 The ferroelectric phase of CdTiO_3 : A powder neutron diffraction study. *Journal of Solid State Chemistry*, **2011**, 184, 2987-2993 3.3 26
- 241 High temperature structure of BaBiO_3 . *Synchrotron X-ray powder diffraction study. Solid State Communications*, **2004**, 132, 389-392 1.6 26
- 240 Negative thermal expansion and phase transition behaviour in Ag_2O . *Solid State Communications*, **2005**, 136, 177-180 1.6 26
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- 238 Spin-gap opening accompanied by a strong magnetoelastic response in the $S=1$ magnetic dimer system $\text{Ba}_3\text{BiRu}_2\text{O}_9$. *Physical Review B*, **2011**, 84, 3.3 25

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- 235 Synthesis and Evolution of the Crystalline Phases in Ca_{1-x}Sr_xAl₂O₄. *Journal of Solid State Chemistry*, **2002**, 168, 229-236 3-3 25
- 234 Reactivity of RuO₂ as a promoter for methanol oxidation. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1990**, 293, 103-110 25
- 233 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
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- 231 High temperature structural studies of SrRhO₃. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 1065-1069 24
- 230 XAFS studies of anti-inflammatory dinuclear and mononuclear Zn(II) complexes of indomethacin. *Inorganic Chemistry*, **2003**, 42, 8557-66 5-1 24
- 229 Observations on pyrochlore oxide structures. *Materials Research Bulletin*, **1999**, 34, 1263-1274 5-1 24
- 228 Peroxide defect formation in zirconate perovskites. *Journal of Materials Chemistry A*, **2014**, 2, 15883-15888 23
- 227 Synchrotron X-ray diffraction study of the Ba_{1-x}Sr_xSnO₃ solid solution. *Journal of Solid State Chemistry*, **2013**, 200, 241-245 3-3 23
- 226 Structural trends in pyrochlore-type oxides. *Physica B: Condensed Matter*, **1997**, 241-243, 303-310 2.8 23
- 225 Crystal Structures and Phase Transitions in A-Site Deficient Perovskites Ln_{1/3}TaO₃. *Chemistry of Materials*, **2008**, 20, 6666-6676 9.6 23
- 224 Structures of the ordered double perovskites Sr₂YTaO₆ and Sr₂YNbO₆. *Acta Crystallographica Section B: Structural Science*, **2005**, 61, 258-62 23
- 223 The nature of the orthorhombic to tetragonal phase transition in Sr_{1-x}Ce_xMnO₃. *Journal of Solid State Chemistry*, **2006**, 179, 3568-3574 3-3 22
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- 221 Structural and Electronic Properties of the Ru Pyrochlores Bi_{2-y}Y_yRu₂O_{7-δ}. *Chemistry of Materials*, **2003**, 15, 4060-4067 9.6 22
- 220 Temperature-induced structural changes in CaCl₂, CaBr₂, and CrCl₂: A synchrotron x-ray powder diffraction study. *Physical Review B*, **2005**, 72, 3-3 22

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217	A primitive tetragonal intermediate in the orthorhombic-cubic phase transition of perovskite-type strontium niobate Sr _{0.92} NbO ₃ . <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2400-2405	3.3	21
216	Spatial distribution of lead in enamel and coronal dentine of wistar rats. <i>Biological Trace Element Research</i> , 2005 , 105, 159-70	4.5	21
215	Thermal expansion and cation disorder in Bi ₂ InNbO ₇ . <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1575-1579	3.3	21
214	Low temperature structural studies of SrSnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 365401	1.8	20
213	Impact of Jahn-Teller active Mn ³⁺ on strain effects and phase transitions in Sr _{0.65} Pr _{0.35} MnO ₃ . <i>Physical Review B</i> , 2012 , 85,	3.3	20
212	Structure and Properties of Sr _{1-x} CaxMn _{0.5} Ru _{0.5} O ₃ Perovskites: Using Chemical Pressure to Control Mn/Ru Mixed Valency. <i>Chemistry of Materials</i> , 2010 , 22, 3369-3382	9.6	20
211	Crystal structure of Ln _{1/3} NbO ₃ (Ln=Nd, Pr) and phase transition in Nd _{1/3} NbO ₃ . <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1846-1851	3.3	20
210	Structural variants in ABO ₃ type perovskite oxides. On the structure of BaPbO ₃ . <i>Solid State Communications</i> , 2001 , 119, 549-552	1.6	20
209	Powder neutron diffraction study of the antiferroelectric phase transition in Sr _{0.75} Ca _{0.25} TiO ₃ . <i>Journal of Applied Physics</i> , 2002 , 91, 4447-4452	2.5	20
208	Neutron Powder Diffraction Study of Sr ₂ SnO ₄ and Ba ₂ SnO ₄ . <i>Australian Journal of Chemistry</i> , 1997 , 50, 917	1.2	20
207	Spin-Orbit Coupling Controlled Ground State in the Ir(V) Perovskites ASrIrO (A = Ba or Sr). <i>Inorganic Chemistry</i> , 2017 , 56, 2204-2209	5.1	19
206	Structural studies of the rhombohedral and orthorhombic monouranates: CaUO ₄ , SrUO ₄ , BaUO ₄ and BaUO ₄ . <i>Journal of Solid State Chemistry</i> , 2016 , 237, 86-92	3.3	19
205	The Structure of C-type Gd ₂ O ₃ . A Powder Neutron Diffraction Study using Enriched ¹⁶⁰ Gd. <i>Australian Journal of Chemistry</i> , 2011 , 64, 119	1.2	19
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