

# Shinichi Kikkawa

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#	Paper	IF	Citations
233	Ion exchange and dehydration of layered [sodium and potassium] titanates, Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> and K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> . <i>The Journal of Physical Chemistry</i> , <b>1982</b> , 86, 5023-5026		246
232	Superconductivity in the infinite-layer compound Sr <sub>1-x</sub> La <sub>x</sub> CuO <sub>2</sub> prepared under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 181, 206-208	1.3	157
231	Theoretical calculations on the structures, electronic and magnetic properties of binary 3d transition metal nitrides. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 1527-1537		121
230	Microwave-Assisted Nonaqueous Sol-Gel Chemistry for Highly Concentrated ZnO-Based Magnetic Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 1484-1495	3.8	104
229	High- and low-temperature phases of lithium boron nitride, Li <sub>3</sub> BN <sub>2</sub> : Preparation, phase relation, crystal structure, and ionic conductivity. <i>Journal of Solid State Chemistry</i> , <b>1987</b> , 71, 1-11	3.3	93
228	Structure of oxide ion-conducting lanthanum oxyapatite, La <sub>9.33</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> . <i>Solid State Ionics</i> , <b>2005</b> , 176, 1473-1478	3.3	91
227	Thermal Behavior of Hydrotalcite and of Anion-Exchanged Forms of Hydrotalcite. <i>Clays and Clay Minerals</i> , <b>1980</b> , 28, 87-91	2.1	86
226	Oxide ion conduction mechanism in RE <sub>9.33</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> and Sr <sub>2</sub> RE <sub>8</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> (RE=La, Nd) from neutron powder diffraction. <i>Solid State Ionics</i> , <b>2006</b> , 177, 263-268	3.3	81
225	Chemical and electrochemical deintercalations of the layered compounds LiMO <sub>2</sub> (M = Cr, Co) and NaM <sup>?</sup> O <sub>2</sub> (M <sup>?</sup> Cr, Fe, Co, Ni). <i>Synthetic Metals</i> , <b>1983</b> , 6, 211-217	3.6	79
224	Structure of superconducting Sr <sub>0.9</sub> La <sub>0.1</sub> CuO <sub>2</sub> (T <sub>c</sub> =42 K) from neutron powder diffraction. <i>Physical Review B</i> , <b>1993</b> , 47, 14654-14656	3.3	77
223	Remarkable Oxygen Intake/Release Capability of BaYMn <sub>2</sub> O <sub>5</sub> + $\square$ Applications to Oxygen Storage Technologies. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3192-3196	9.6	76
222	Energetics of binary iron nitrides. <i>Solid State Sciences</i> , <b>2000</b> , 2, 457-462	3.4	74
221	Oxygen Storage Capability of Brownmillerite-type Ca <sub>2</sub> AlMnO <sub>5</sub> + $\square$ and Its Application to Oxygen Enrichment. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 372-377	9.6	71
220	Deintercalated NaCoO <sub>2</sub> and LiCoO <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>1986</b> , 62, 35-39	3.3	69
219	Single crystal growth and oxide ion conductivity of apatite-type rare-earth silicates. <i>Solid State Ionics</i> , <b>2004</b> , 174, 73-80	3.3	68
218	Preparation of lithium silicon nitrides and their lithium ion conductivity. <i>Solid State Ionics</i> , <b>1987</b> , 25, 183-191	3.3	68
217	Local anionic ordering and anisotropic displacement in dielectric perovskite SrTaO <sub>2</sub> N. <i>Journal of the Ceramic Society of Japan</i> , <b>2011</b> , 119, 581-586	1	66

216	Formation and properties of n-alkylammonium complexes with layered tri- and tetra-titanates. <i>Polyhedron</i> , <b>1983</b> , 2, 741-744	2.7	65
215	Electronic phase diagram of the layered cobalt oxide system $\text{Li}_x\text{CoO}_2$ (0.0 $\leq$ x $\leq$ 1.0). <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	62
214	First-Principles Study on Relaxor-Type Ferroelectric Behavior without Chemical Inhomogeneity in $\text{BaTaO}_2\text{N}$ and $\text{SrTaO}_2\text{N}$ . <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4343-4349	9.6	61
213	Structure of a new polymorph of lithium boron nitride, $\text{Li}_3\text{BN}_2$ . <i>Journal of Solid State Chemistry</i> , <b>1986</b> , 65, 6-12	3.3	57
212	Optical properties of oxynitride powders. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 1-5	1	51
211	Topochemical reactions of $\text{Li}_x\text{NbO}_2$ . <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 73, 33-39	3.3	51
210	Ferroelectric Response Induced in cis-Type Anion Ordered $\text{SrTaO}_2\text{N}$ Oxynitride Perovskite. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1312-1317	9.6	49
209	Electrochemical aspects of the deintercalation of layered $\text{AMO}_2$ compounds. <i>Journal of Power Sources</i> , <b>1985</b> , 14, 231-234	8.9	49
208	The z value dependence of photoluminescence in $\text{Eu}^{2+}$ -doped $\text{SiAlON}$ ( $\text{Si}_6\text{Al}_z\text{O}_z\text{N}_{8-z}$ ) with $\text{Eu}^{2+}$ . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 489, 157-161	5.7	46
207	RF-sputter deposition of $\text{ZnTe}$ nitride thin films. <i>Solid State Communications</i> , <b>1999</b> , 112, 513-515	1.6	46
206	Synthesis and Crystal Structure of a New Compound, Lanthanum Dioxymonocyanamide ( $\text{La}_2\text{O}_2\text{CN}_2$ ). <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 114, 592-594	3.3	46
205	Sintering and dielectric properties of perovskite $\text{SrTaO}_2\text{N}$ ceramics. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 1269-1274	6	45
204	Local structure of magnetite and maghemite and chemical shift in Fe K-edge XANES. <i>Journal of Mineralogical and Petrological Sciences</i> , <b>2012</b> , 107, 127-132	0.9	44
203	Preparation of Aluminum Oxynitride by Nitridation of a Precursor Derived from Aluminum Glycine Gel and the Effects of the Presence of Europium. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 924-928	3.8	43
202	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7963-7	16.4	42
201	Fine $\text{Fe}_3\text{N}_2$ powder prepared by low-temperature nitridation. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 3352-3357	5.1	42
200	The c-axis texturing of seeded $\text{Si}_3\text{N}_4$ with $\text{Si}_3\text{N}_4$ whiskers by slip casting in a rotating magnetic field. <i>Acta Materialia</i> , <b>2010</b> , 58, 146-161	8.4	41
199	Preparation of apatite-type $\text{La}_{9.33}(\text{SiO}_4)_6\text{O}_2$ oxide ion conductor by alcoxide-hydrolysis. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 641-644	5.7	40

- 198 Cation exchange selectivity of layered titanates,  $\text{H}_2\text{Ti}_3\text{O}_7$ . *Journal of Solid State Chemistry*, **1985**, 60, 264-267 3-3 40
- 197 Additive Sintering, Postannealing, and Dielectric Properties of  $\text{SrTaO}_2\text{N}$ . *Journal of the American Ceramic Society*, **2014**, 97, 1023-1027 3-8 39
- 196 Crystal structure and magnetic properties of  $\text{Fe}_2\text{Fe}_{16}\text{N}_2$  containing residual  $\text{Fe}$  prepared by low-temperature ammonia nitridation. *Journal of Solid State Chemistry*, **2012**, 194, 76-79 3-3 39
- 195 Oxide ion conduction in  $\text{Nd}_{9.33}(\text{SiO}_4)_6\text{O}_2$  and  $\text{Sr}_2\text{Nd}_8(\text{SiO}_4)_6\text{O}_2$  single crystals grown by floating zone method. *Solid State Ionics*, **2004**, 166, 213-217 3-3 39
- 194 Synthesis and characterization of hydrotalcite-ATP intercalates. *Solid State Ionics*, **2004**, 172, 607-609 3-3 38
- 193 Characterization of oxygen-deficient phases appearing in reduction of the perovskite-type  $\text{LaNiO}_3$  to  $\text{La}_2\text{Ni}_2\text{O}_5$ . *Solid State Ionics*, **1995**, 79, 252-255 3-3 38
- 192 Syntheses and Crystal Structures of Trigonal Rare-Earth Dioxymonocyanamides,  $\text{Ln}_2\text{O}_2\text{CN}_2$  ( $\text{Ln} = \text{Ce, Pr, Nd, Sm, Eu, Gd}$ ). *Journal of Solid State Chemistry*, **1996**, 125, 37-42 3-3 36
- 191 Effect of intercalated alkylammonium on cation exchange properties of  $\text{H}_2\text{Ti}_3\text{O}_7$ . *Journal of Solid State Chemistry*, **1987**, 69, 336-342 3-3 36
- 190 Preparation and lithium doping of gallium oxynitride by ammonia nitridation via a citrate precursor route. *Journal of Solid State Chemistry*, **2007**, 180, 1984-1989 3-3 35
- 189 X-ray and Raman study on coordination states of fluorite- and pyrochlore-type compounds in the system  $\text{ZrO}_2\text{-Gd}_2\text{O}_3$ . *Solid State Ionics*, **1990**, 40-41, 357-361 3-3 35
- 188 Ionic conductivities of  $\text{Na}_2\text{Ti}_3\text{O}_7$ ,  $\text{K}_2\text{Ti}_4\text{O}_9$  and their related materials. *Materials Research Bulletin*, **1985**, 20, 1221-1227 5-1 35
- 187 Humidity effects in  $\text{Fe}_{16}\text{N}_2$  fine powder preparation by low-temperature nitridation. *Journal of Solid State Chemistry*, **2010**, 183, 2236-2241 3-3 34
- 186 The zebrafish *pob* gene encodes a novel protein required for survival of red cone photoreceptor cells. *Genetics*, **2005**, 170, 263-73 4 34
- 185 Electrical conductivity of  $\text{TiS}_3$ . *Physica Status Solidi A*, **1980**, 61, K55-K57 34
- 184 Ferrocyanide anion bearing Mg, Al hydroxide. *Materials Research Bulletin*, **1982**, 17, 191-198 5-1 34
- 183 Synthesis and some properties of iron oxide methoxide. A new layered compound. *Inorganic Chemistry*, **1976**, 15, 2195-2197 5-1 34
- 182 Sodium deintercalation from  $\text{NaFeO}_2$ . *Materials Research Bulletin*, **1985**, 20, 373-377 5-1 33
- 181 Organic intercalation on layered compound  $\text{KTiNbO}_5$ . *Materials Research Bulletin*, **1980**, 15, 533-539 5-1 33

180	Synthesis of Iron Nitrides Fe <sub>x</sub> N (x: 2, 2-3, 4, 16/2) by Nitrogenizing .ALPHA.-Fe in Ammonia Gas, and Magnetic Properties of The Bulk Sample of Fe <sub>16</sub> N <sub>2</sub> . <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>1999</b> , 46, 151-155	0.2	32
179	Preparation and Properties of Pyroaurite-Like Hydroxy Minerals. <i>Clays and Clay Minerals</i> , <b>1983</b> , 31, 152-154		32
178	Intercalation Compounds FeOCl(Pyridine derivatives) <sub>1/2</sub> and FeOCl(n-Propylamine) <sub>1/2</sub> . <i>Bulletin of the Chemical Society of Japan</i> , <b>1979</b> , 52, 963-966	5.1	32
177	Partial nitrogen loss in SrTaO <sub>2</sub> N and LaTiO <sub>2</sub> N oxynitride perovskites. <i>Solid State Sciences</i> , <b>2016</b> , 54, 2-6	3.4	31
176	Synthesis, Crystal Structure, and Properties of Oxygen-Deficient Lanthanum Nickelate LaNiO <sub>3-δ</sub> (0 < δ < 0.5). <i>Bulletin of the Chemical Society of Japan</i> , <b>1994</b> , 67, 687-693	5.1	31
175	High-pressure syntheses of TaS <sub>3</sub> , NbS <sub>3</sub> , TaSe <sub>3</sub> , and NbSe <sub>3</sub> with NbSe <sub>3</sub> -type crystal structure. <i>Journal of Solid State Chemistry</i> , <b>1982</b> , 41, 315-322	3.3	29
174	Oxygen Intake/Release Mechanism of Double-Perovskite Type BaYMn <sub>2</sub> O <sub>5+δ</sub> (0 < δ < 0.1). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 12560-12566	3.8	27
173	Crystal Structure of Zirconia Prepared with Alumina by Coprecipitation. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 721-723	3.8	27
172	Oxygen-Storage Materials BaYMn <sub>2</sub> O <sub>5+δ</sub> From the Quantum-Chemical Point of View. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1910-1916	9.6	26
171	Impact of lithium composition on the thermoelectric properties of the layered cobalt oxide system Li <sub>x</sub> CoO <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	25
170	Cathodoluminescence of Ce-doped Gd <sub>2</sub> SiO <sub>5</sub> and Gd <sub>9.33</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> phosphor under continuous electron irradiation. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 800-804	5.7	24
169	Synthesis, thermal stability, and oxygen intake/release characteristics of YBa(Co <sub>1-x</sub> Al <sub>x</sub> ) <sub>4</sub> O <sub>7+δ</sub> . <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 1527-1532	5.1	24
168	Oxide ion conduction in A-site deficient La-Ti-Al-O perovskite. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 1821-1826		24
167	Particle size dependence in low temperature nitridation reaction for Fe <sub>16</sub> N <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 449, 7-10	5.7	23
166	Formation of hydrotalcite in aqueous solutions and intercalation of ATP by anion exchange. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 300, 648-54	9.3	23
165	Lithium aluminum nitride, Li <sub>3</sub> AlN <sub>2</sub> as a lithium solid electrolyte. <i>Solid State Ionics</i> , <b>1985</b> , 15, 51-54	3.3	22
164	Synthesis and crystal structure of InP <sub>3</sub> . <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 53-57	5.1	22
163	Manganese doped gallium oxynitride prepared by nitridation of citrate precursor. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 450, 152-156	5.7	21

162	Temperature dependence of structural parameters in oxide-ion-conducting Nd <sub>0.933</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> : single crystal X-ray studies from 295 to 900 K. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 4451-4458	3.3	21
161	Additive sintering and post-ammonolysis of dielectric BaTaO <sub>2</sub> N oxynitride perovskite. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3341-3345	6	20
160	Significant Lanthanoid Substitution Effect on the Redox Reactivity of the Oxygen-Storage Material BaYMn <sub>2</sub> O <sub>5</sub> + $\delta$ . <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4409-4414	9.6	19
159	Redox characteristics variations in the cation-ordered perovskite oxides BaLnMn <sub>2</sub> O <sub>5</sub> + $\delta$ (Ln = Y, Gd, Nd, and La) and Ca <sub>2</sub> Al <sub>1-x</sub> Ga <sub>x</sub> MnO <sub>5</sub> + $\delta$ (0 $\leq$ x $\leq$ 1). <i>Dalton Transactions</i> , <b>2015</b> , 44, 10746-52	4.3	19
158	Magnetite/maghemite mixture prepared in benzyl alcohol for the preparation of $\delta$ -Fe <sub>16</sub> N <sub>2</sub> with $\delta$ -Fe. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 2471-2474	6	19
157	Crystallization and magnetic property of iron oxide nanoparticles precipitated in silica glass matrix. <i>Journal of the European Ceramic Society</i> , <b>2011</b> , 31, 2459-2462	6	19
156	Single crystal growth and oxide ion conductivity of oxyapatite type Sr-bearing neodymium silicate. <i>Solid State Ionics</i> , <b>2004</b> , 175, 357-360	3.3	19
155	Preparation, Crystal Structure, and Properties of a New Double Metal Nitride, SrNiN, and of Ca <sub>1-x</sub> Sr <sub>x</sub> NiN (0 $\leq$ x $\leq$ 0.5) Solid Solutions. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 115, 353-359	3.3	19
154	Direct synthesis of SrTaO <sub>2</sub> N from SrCO <sub>3</sub> /Ta <sub>3</sub> N <sub>5</sub> involving CO evolution. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 4451-4455	6	18
153	Enhanced oxygen intake/release kinetics of BaYMn <sub>2</sub> O <sub>5</sub> + $\delta$ . DELTA. fine powders prepared by a wet-chemical route. <i>Journal of the Ceramic Society of Japan</i> , <b>2011</b> , 119, 894-897	1	18
152	Gel combustion synthesis of fine crystalline (Y <sub>0.95</sub> Eu <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> phosphor in presence of lithium flux. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 879-882	5.7	18
151	Preparation and electrochemical properties of double-metal nitrides containing lithium. <i>Journal of Power Sources</i> , <b>1987</b> , 20, 311-315	8.9	18
150	Preparation and properties of FeO(O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> ) <sub>1/2</sub> . <i>Inorganic Chemistry</i> , <b>1980</b> , 19, 259-262	5.1	18
149	Red-emission over a wide range of wavelengths at various temperatures from tetragonal BaCN <sub>2</sub> :Eu <sup>2+</sup> . <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 6370-6377	7.1	17
148	Structural phase transition in the perovskite-type tantalum oxynitrides, Ca <sub>1-x</sub> Eu <sub>x</sub> Ta(O,N) <sub>3</sub> . <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1899-1905	5.1	17
147	Determinations of crystallographic space group and atomic arrangements in oxide-ion-conducting Nd <sub>0.933</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2004</b> , 219,	1	17
146	Preparation of Transparent Conductive (ZnO)mIn <sub>2</sub> O <sub>3</sub> Fine Powder by Gel-Combustion Reaction. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 308-311	3.8	17
145	Titanium disulfide thin film prepared by plasma CVDa). <i>Journal of Materials Research</i> , <b>1990</b> , 5, 2894-2901	2.5	17

144	Ferroelectric BaTaON Crystals Grown in a BaCN Flux. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16752-16760	5.1	17
143	Remarkable Oxygen Intake/Release of BaYMn <sub>2</sub> O <sub>5</sub> Viewed from High-Temperature Crystal Structure. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 2356-2363	3.8	16
142	High pressure densification and dielectric properties of perovskite-type oxynitride SrTaO <sub>2</sub> N. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 1191-1197	6	16
141	Hot isostatic press sintering and dielectric properties of SrTaO <sub>2</sub> N ceramics. <i>Ceramics International</i> , <b>2013</b> , 39, 3377-3380	5.1	16
140	Silver delafossite nitride, AgTaN <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 7-11	3.3	16
139	Indium and gallium oxynitrides prepared in the presence of Zn <sup>2+</sup> by ammonolysis of the oxide precursors obtained via the citrate route. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 505-508	5.1	16
138	Chemical synthesis, structural elucidation and quantum-chemical modeling of a Cr <sup>3+</sup> doped gallium oxynitride prepared by precursor nitridation. <i>Solid State Communications</i> , <b>2008</b> , 147, 41-45	1.6	16
137	Concentration effect of cerium in (Y <sub>0.9</sub> Gd <sub>0.1</sub> Ce <sub>x</sub> ) <sub>2</sub> SiO <sub>5</sub> blue phosphor. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 162-166	5.7	15
136	Preparation, crystal structure, and superconductive characteristics of new oxynitrides (Nb <sub>1-x</sub> M <sub>x</sub> )(N <sub>1-y</sub> O <sub>y</sub> ) where M=Mg, Si, and x <sub>y</sub> . <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2061-2065	3.3	15
135	Niobium-Aluminum oxynitride prepared by ammonolysis of oxide precursor obtained through the citrate route. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 482, 160-163	5.7	15
134	High-Pressure Synthesis of LaMS <sub>3</sub> (M=Ti, V, Cr). <i>Journal of Solid State Chemistry</i> , <b>1998</b> , 139, 233-237	3.3	15
133	Magnetic iron nitrides inspired by historic research on Fe <sub>16</sub> N <sub>2</sub> . <i>Progress in Solid State Chemistry</i> , <b>2018</b> , 51, 19-26	8	14
132	Crystal structure study of dielectric oxynitride perovskites La <sub>1-x</sub> TiO <sub>2</sub> +N <sub>1-x</sub> (x=0, 0.2). <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 237, 254-257	3.3	14
131	Preparation of gallium oxynitride powder and its nanofibers by the nitridation of a gallium oxide precursor doped with nickel or cobalt obtained via the citrate route. <i>Dalton Transactions</i> , <b>2010</b> , 39, 6106-6113	4.3	14
130	Gel Nitridation Preparation and Luminescence Property of Eu-doped RE <sub>2</sub> O <sub>2</sub> CN <sub>2</sub> (RE= La and Gd) Phosphors. <i>Chemistry Letters</i> , <b>2006</b> , 35, 988-989	1.7	14
129	Plasma assisted CVD of TiS <sub>2</sub> . <i>Applied Physics A: Solids and Surfaces</i> , <b>1989</b> , 49, 105-109		14
128	Structural study of gallium oxynitrides prepared by ammonolysis of different oxide precursors. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 045408	3	13
127	Preparation of gallium oxynitride in the presence of iron through a citrate route. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 1656-1659	5.1	13

126	Preparation and Magnetotransport Properties of Alpha-Fe Nanoparticles Dispersed in AlN Granular Films. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 5671-5672	1.4	13
125	Soft solution preparation methods in a ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> binary system. <i>Solid State Ionics</i> , <b>2002</b> , 151, 359-364	3.3	13
124	Structural effects of hydrostatic pressure in Sr <sub>1-x</sub> M <sub>x</sub> CuO <sub>2</sub> (M=La,Ca) and Sr <sub>4</sub> Cu <sub>6</sub> O <sub>10</sub> . <i>Physical Review B</i> , <b>1994</b> , 50, 12752-12759	3.3	13
123	Preparation and properties of WP4. <i>Journal of Solid State Chemistry</i> , <b>1983</b> , 48, 306-307	3.3	13
122	Chemical diffusivity of lithium in Li <sub>y</sub> Ti <sub>1+x</sub> S <sub>2</sub> . <i>Solid State Ionics</i> , <b>1985</b> , 17, 63-66	3.3	13
121	Crystal structure and superconductive characteristics of Nb <sub>0.89</sub> Al <sub>0.11</sub> oxynitrides. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1710-1714	3.3	12
120	Direct synthesis of nearly single-phase BaTaO <sub>2</sub> N and CaTaO <sub>2</sub> N powders. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 3289-3294	6	11
119	Synthesis of the Perovskite SrTaO <sub>2</sub> N Using C <sub>3</sub> N <sub>4</sub> for Both Reduction and Nitridation. <i>Chemistry Letters</i> , <b>2018</b> , 47, 31-33	1.7	11
118	Crystal structure of Eu-doped magnetoplumbite-type lanthanum aluminum oxynitride with emission site splitting. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2533-2537	3.3	11
117	Synthesis and photoluminescence of blue-emitting 15R-sialon:Eu <sup>2+</sup> phosphors. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, 407-412	5.7	11
116	Some new aspects of low-temperature lithium cobalt oxides prepared through citric acid precursor route. <i>Materials Research Bulletin</i> , <b>1998</b> , 33, 1845-1855	5.1	11
115	Ion exchange of layered $\delta$ -NaFeO <sub>2</sub> . <i>Materials Chemistry and Physics</i> , <b>1987</b> , 18, 375-380	4.4	11
114	Superconductivity in quaternary niobium oxynitrides containing main group elements (M=Mg, Al, Si). <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 188, 66-71	3.3	10
113	Nanowire of hexagonal gallium oxynitride: Direct observation of its stacking disorder and its long nanowire growth. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 1989-1993	6	10
112	Crystal structure and optical properties of oxynitride rare-earth tantalates RTa <sub>2</sub> (O, N) (R=Nd, Gd, Y). <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 811-818	5.1	10
111	Gel Combustion Synthesis of Rare Earth Aluminate Using Glycine or Urea. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 588-591	1	10
110	Preparation of new ternary nitrides CaMN (M=Co, Ni). <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 148-153	3.3	10
109	Crystal structural, electric and magnetic studies on the misfit layer compounds $\delta$ -LnMS <sub>3</sub> (Ln=rare-earth metal; M=Ti,V,Cr). <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 696-701	3.3	10



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107	Immediate formation of a layered compound, FeOOCH <sub>3</sub> , by a topochemical reaction. <i>Inorganic Chemistry</i> , <b>1980</b> , 19, 262-262	5-1	10
106	Local structure around the flux pinning centers in superconducting niobium silicon oxynitride (Nb <sub>0.87</sub> Si <sub>0.09</sub> O <sub>0.04</sub> )(N <sub>0.87</sub> O <sub>0.13</sub> ). <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 210, 238-241	3-3	9
105	Molten BaCN for the sintering and crystal growth of dielectric oxynitride perovskites SrBaTaON (x = 0.04-0.23). <i>Dalton Transactions</i> , <b>2017</b> , 46, 16837-16844	4-3	9
104	Preparation of Eu-doped $\beta$ - and 15R-SiAlONs by ammonia nitridation of the precursor obtained using aluminum glycine gel. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 487, 409-412	5-7	9
103	Studies on low temperature structure of infinite-layered superconductor Sr <sub>1-x</sub> LaxCuO <sub>2</sub> (0 $\leq$ x $\leq$ 0.12). <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 290, 1-8	1-3	9
102	High pressure synthesis of LnCrS <sub>3</sub> (Ln = La, Ce, Nd, Sm) and LaCr <sub>1-x</sub> FexS <sub>3</sub> (x $\leq$ 0.2) with NH <sub>4</sub> CdCl <sub>3</sub> structure type. <i>Materials Research Bulletin</i> , <b>1999</b> , 34, 279-288	5-1	9
101	A new compound, Ca <sub>3</sub> CoN <sub>3</sub> , with a trigonal planar [CoN <sub>3</sub> ] <sub>6</sub> <sup>3-</sup> anion. <i>Journal of Solid State Chemistry</i> , <b>1995</b> , 119, 161-163	3-3	9
100	Reduction of the perovskite-type LnNiO <sub>3</sub> (Ln=Pr, Nd) to Ln <sub>3</sub> Ni <sub>3</sub> O <sub>7</sub> with monovalent nickel ions. <i>Solid State Ionics</i> , <b>1994</b> , 74, 211-217	3-3	9
99	Preparation of TaS <sub>3</sub> under high pressure. <i>Journal of Solid State Chemistry</i> , <b>1981</b> , 40, 28-33	3-3	9
98	Microwave absorption of $\beta$ -Fe <sub>2</sub> O <sub>3</sub> precipitated from sputter deposited FeSiO <sub>2</sub> amorphous thin film by thermal annealing. <i>Materials Letters</i> , <b>2014</b> , 115, 198-200	3-3	8
97	Effect of Nonstoichiometry and Solvent on Discharge Property of Li / TiS <sub>2</sub> Battery. <i>Journal of the Electrochemical Society</i> , <b>1984</b> , 131, 1343-1345	3-9	8
96	The selenide systems of niobium and tantalum. <i>Journal of Solid State Chemistry</i> , <b>1982</b> , 41, 323-328	3-3	8
95	Sintering behavior of dielectric SrTaO <sub>2</sub> N under high pressure of nitrogen. <i>Ceramics International</i> , <b>2017</b> , 43, 2737-2742	5-1	7
94	Remarkable effects of local structure in tantalum and niobium oxynitrides. <i>Progress in Solid State Chemistry</i> , <b>2018</b> , 51, 71-80	8	7
93	Intergrowth between the Oxynitride Perovskite SrTaON and the Ruddlesden-Popper Phase SrTaON. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 9086-9095	5-1	7
92	Melting Behavior of Alkaline-Earth Metal Carbodiimides and Their Thermochemistry from First-Principles. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8938-8942	5-1	7
91	Magnetic softening of Co doped $\beta$ -Fe <sub>16</sub> N <sub>2</sub> containing residual Fe <sub>3</sub> O <sub>4</sub> alloy prepared in low temperature nitridation. <i>Journal of the Ceramic Society of Japan</i> , <b>2014</b> , 122, 288-291	1	7

90	Crystal structure and superconducting properties of hexagonal lithium-niobium oxynitride. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 11184-9	5.1	7
89	Crystal growth and characterization of gallium oxynitride nanowires grown on seed crystals. <i>Journal of Crystal Growth</i> , <b>2011</b> , 337, 87-92	1.6	7
88	Microstructure formation during the annealing of iron nitrides. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 547-550	5.1	7
87	Titanium disulphide thin film prepared by plasma-CVD for lithium secondary battery. <i>Ceramics International</i> , <b>1997</b> , 23, 7-11	5.1	7
86	Eu K-XAFS of europium dioxymono-cyanamide with the conversion He <sup>+</sup> ion yield method. <i>Journal of Synchrotron Radiation</i> , <b>1999</b> , 6, 222-4	2.4	7
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84	Interface of iron metal/aluminum nitride multilayered composite film. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 2756-2758	3.4	7
83	High pressure synthesis of B1-type solid solutions Nb <sub>1-x</sub> M <sub>x</sub> N (M=Ga, Ti). <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 2719-2720	1.3	7
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81	Kinetic study on the system of FeOCl and pyridine. <i>Journal of Solid State Chemistry</i> , <b>1980</b> , 31, 249-255	3.3	7
80	Nitrogen-Rich Manganese Oxynitrides with Enhanced Catalytic Activity in the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8095-8099	3.6	7
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78	Fluctuation effects in the niobium oxynitride (Nb <sub>0.87</sub> Si <sub>0.09</sub> ? <sub>0.04</sub> )(N <sub>0.87</sub> O <sub>0.13</sub> ) superconductor. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 085002	3.1	6
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71	Formation of iron nitrides applying N <sup>+</sup> ion implantation. <i>Vacuum</i> , <b>1996</b> , 47, 863-866	3.7	5
70	Important Factors for Electron-Doping in T?-Type 214 Compounds. <i>Journal of Solid State Chemistry</i> , <b>1994</b> , 112, 22-26	3.3	5
69	Structural refinement of Ag <sub>3</sub> SI by single crystal X-ray diffraction method. <i>Solid State Ionics</i> , <b>1994</b> , 68, 57-63	3.3	5
68	High pressure synthesis and superconductivity of infinite layered Sr <sub>1-x</sub> LaxCuO <sub>2</sub> . <i>Applied Superconductivity</i> , <b>1993</b> , 1, 487-491		5
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12	The discharge of a cathode for lithium battery. <i>Materials Research Bulletin</i> , <b>1985</b> , 20, 259-263	5.1	1
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5	Synthesis, Structure and Properties of Niobium Aluminum Oxynitride and Tantalum Based Compound Prepared through Citrate Route. <i>Materials Science Forum</i> , <b>2009</b> , 631-632, 167-172	0.4	
4	Crystallizations of Amorphous Y-Ba-Cu-O Film Prepared by RF-Sputtering. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , <b>1990</b> , 184, 225-229		
3	Preparation and Characterization of Layered Manganese Oxide (Birnessite) and Its Intercalation Reactions. <i>Journal of Ion Exchange</i> , <b>2003</b> , 14, 133-136	0.2	
2	Preparation and Microstructure Control of Functional Ceramic Nano-sized Crystals. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , <b>2004</b> , 12, 110-113	0	
1	Oxynitrides as New Functional Ceramic Materials. <i>Ceramic Transactions</i> , 105-111	0.1	

