

# Koichiro Fukuda

## List of Publications by Citations

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#	Paper	IF	Citations
154	Diffusion Path and Conduction Mechanism of Oxide Ions in Apatite-Type Lanthanum Silicates. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2508-2517	9.6	96
153	Crystal structure of hexagonal SrAl <sub>2</sub> O <sub>4</sub> at 1073 K. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2709-2714	3.3	50
152	Oxide-Ion Conductivity of Highly c-Axis-Oriented Apatite-Type Lanthanum Silicate Polycrystal Formed by Reactive Diffusion between La <sub>2</sub> SiO <sub>5</sub> and La <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> . <i>Chemistry of Materials</i> , <b>2011</b> , 23, 5474-5483	9.6	48
151	Crystal Structure of Zr <sub>2</sub> Al <sub>3</sub> C <sub>4</sub> . <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 3528-3530	3.8	42
150	Crystal Structure and Oxide-Ion Conductivity along c-Axis of Apatite-Type Lanthanum Silicate with Excess Oxide Ions. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4623-4631	9.6	40
149	Syntheses, crystal structures and Si solubilities of new layered carbides Zr <sub>2</sub> Al <sub>4</sub> C <sub>5</sub> and Zr <sub>3</sub> Al <sub>4</sub> C <sub>6</sub> . <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 2864-2868	3.3	40
148	Synthesis, crystal structure and thermoelectric properties of a new carbide Zr <sub>2</sub> [Al <sub>3.56</sub> Si <sub>0.44</sub> ]C <sub>5</sub> . <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 1809-1815	3.3	39
147	Structural change of oxide-ion-conducting lanthanum silicate on heating from 295 to 1073 K. <i>Solid State Ionics</i> , <b>2007</b> , 178, 1523-1529	3.3	37
146	Anisotropy of oxide-ion conduction in apatite-type lanthanum silicate. <i>Solid State Ionics</i> , <b>2012</b> , 217, 40-45	3.3	36
145	Synthesis, crystal structure, and thermoelectric properties of a new layered carbide (ZrC) <sub>3</sub> [Al <sub>3.56</sub> Si <sub>0.44</sub> ]C <sub>3</sub> . <i>Journal of Materials Research</i> , <b>2007</b> , 22, 2888-2894	2.5	34
144	Crystal Structure and Oxide-Ion Conductivity along c-Axis of Si-Deficient Apatite-Type Lanthanum Silicate. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2154-2162	9.6	31
143	Crystal structure of lanthanum oxyorthosilicate, La <sub>2</sub> SiO <sub>5</sub> . <i>Powder Diffraction</i> , <b>2006</b> , 21, 300-303	1.8	29
142	Crystal structure, phase transition and anisotropic thermal expansion of barium zirconium diorthophosphate, BaZr(PO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2144-2151	3.3	27
141	Thermal Expansion of Yttrium Disilicate. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 89-92	3.8	26
140	Orientation of coherent interphase boundaries formed by the $\beta$ to $\beta'$ phase transition in belite crystals. <i>Cement and Concrete Research</i> , <b>1993</b> , 23, 599-602	10.3	26
139	Crystal structure of Ca <sub>12</sub> Al <sub>14</sub> O <sub>32</sub> Cl <sub>2</sub> and luminescence properties of Ca <sub>12</sub> Al <sub>14</sub> O <sub>32</sub> Cl <sub>2</sub> :Eu <sup>2+</sup> . <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 51-55	3.3	25
138	Remelting Reaction within Belite Crystals during Cooling. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2896-2898	3.8	25

137	Crystal structure of calcium zirconium diorthophosphate, CaZr(PO <sub>4</sub> ) <sub>2</sub> . <i>Powder Diffraction</i> , <b>2003</b> , 18, 296-300	3.0	24
136	Anisotropic thermal expansion in yttrium silicate. <i>Journal of Materials Research</i> , <b>2003</b> , 18, 1715-1722	2.5	24
135	Combined Effect of Germanium Doping and Grain Alignment on Oxide-Ion Conductivity of Apatite-Type Lanthanum Silicate Polycrystal. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2611-2618	9.6	22
134	Thermal Hysteresis for the $\beta \rightarrow \alpha$ Transformations in Strontium Oxide-Doped Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 2969-2970	3.8	22
133	Phase transformation of Ca <sub>4</sub> [Al <sub>6</sub> O <sub>12</sub> ]SO <sub>4</sub> and its disordered crystal structure at 1073K. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 215, 265-270	3.3	21
132	Effect of Mg substitution on crystal structure and oxide-ion conductivity of apatite-type lanthanum silicates. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1024-1032	3.3	21
131	Crystal Structure and Thermoelectric Properties of YAl <sub>3</sub> C <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 3299-3302	3.8	20
130	Synthesis and Crystal Structure of a New Layered Carbide ZrAl <sub>4</sub> C <sub>4</sub> . <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2713-2715	3.8	20
129	Improvement in Reactivity and Grindability of Belite-Rich Cement by Remelting Reaction. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 2177-2180	3.8	20
128	Direct observation of the ferroelectric polarization in the layered perovskite Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 142117	2.5	20
127	Electron density distribution and crystal structure of 27R-ALON, Al <sub>9</sub> O <sub>3</sub> N <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 204, 21-26	3.3	19
126	Cationic substitution in tricalcium aluminate. <i>Cement and Concrete Research</i> , <b>2003</b> , 33, 1771-1775	10.3	19
125	Thermoelastic Behavior in Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 2925-2928	3.8	19
124	Microtextures Formed by the Remelting Reaction in Belite Crystals. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 2942-2944	3.8	19
123	Thermal expansion of lanthanum silicate oxyapatite (La <sub>9.33+2x</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2+3x</sub> ), lanthanum oxyorthosilicate (La <sub>2</sub> SiO <sub>5</sub> ) and lanthanum sorosilicate (La <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ). <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 194, 157-161	3.3	18
122	Structural Change in Phosphorus-Bearing Dicalcium Silicates. <i>Journal of the Ceramic Society of Japan</i> , <b>1997</b> , 105, 117-121		18
121	Determination of the P <sub>6</sub> cmn/1b <sub>2</sub> Phase Boundary at High Temperatures in the System Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> -Ca <sub>2</sub> Al <sub>2</sub> O <sub>5</sub> . <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 1300-1302	3.8	18
120	Crystal Structure, Structural Disorder, and Hydration Behavior of Calcium Zirconium Aluminate, Ca <sub>7</sub> ZrAl <sub>6</sub> O <sub>18</sub> . <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3726-3731	9.6	17

119	Crystal structure and phase transformations of calcium yttrium orthophosphate, Ca <sub>3</sub> Y(PO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3420-3428	3.3	17
118	Structural disorder in Ba <sub>0.6</sub> Sr <sub>0.4</sub> Al <sub>2</sub> O <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 3662-3666	3.3	17
117	Electron density distribution and crystal structure of 21R-ALON, Al <sub>7</sub> O <sub>3</sub> N <sub>5</sub> . <i>Powder Diffraction</i> , <b>2013</b> , 28, 171-177	1.8	16
116	Lanthanum- and Oxygen-Deficient Crystal Structures of Oxide Ion Conducting Apatite-Type Silicates. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3714-3720	3.8	16
115	Effect of Al/Fe Ratio in Belite on the Microtexture Induced by the Remelting Reaction. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 3027-3029	3.8	16
114	High oxide-ion conductivity in Si-deficient La <sub>9.565</sub> (Si <sub>5.826</sub> ?0.174)O <sub>26</sub> apatite without interstitial oxygens due to the overbonded channel oxygens. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10835-10846 <sup>13</sup>	1.3	15
113	Crystal structure and phase transitions of strontium zirconium diorthophosphate, SrZr(PO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3514-3521	3.3	15
112	Effect of MgO and SO <sub>3</sub> on the Impurity Concentration in Alite in Portland Cement Clinker. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 3163-3165	3.8	15
111	Remelting reaction of Ca <sub>2</sub> SiO <sub>4</sub> solid solution confirmed in Ca <sub>2</sub> SiO <sub>4</sub> -Ca <sub>12</sub> Al <sub>14</sub> O <sub>33</sub> pseudobinary system. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 1185-1189	10.3	14
110	Improvement in Hydration Reactivity of $\beta$ -Phase Belite by Remelting Reaction. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 639-641	3.8	14
109	Structure and Microtexture Changes in Phosphorous-Bearing Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 2615-2619	3.8	14
108	Structure Change of Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions with Ba Concentration. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 884-888	3.8	14
107	Kinetics of the $\beta$ - $\beta'$ Polymorphic Phase Transition of Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 1821-1824	3.8	14
106	Electron density distribution and disordered crystal structure of 15R-SiALON, SiAl <sub>4</sub> O <sub>2</sub> N <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 211, 124-129	3.3	13
105	First discovery and structural characterization of a new compound in AlSiO <sub>3</sub> system. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2252-2260	3.3	13
104	Transitional Phase of Ca <sub>2</sub> SiO <sub>4</sub> Solid Solution with Incommensurate Superstructure. <i>Journal of the American Ceramic Society</i> , <b>1989</b> , 72, 2204-2207	3.8	13
103	Crystal structure of layered perovskite compound, Li <sub>2</sub> LaTa <sub>2</sub> O <sub>6</sub> N. <i>Powder Diffraction</i> , <b>2011</b> , 26, 4-8	1.8	12
102	Structure Change in Strontium Oxide-Doped Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 79, 2577-2581	3.8	12

101	Electron density distribution and crystal structure of lithium strontium silicate, Li <sub>2</sub> SrSiO <sub>4</sub> . <i>Powder Diffraction</i> , <b>2010</b> , 25, 4-8	1.8	11
100	Synthesis and structural characterization of a new aluminum oxycarbonitride, Al <sub>5</sub> (O, C, N) <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 2570-2575	3.3	11
99	Synthesis and structural characterization of Al <sub>4</sub> SiC <sub>4</sub> -homeotypic aluminum silicon oxycarbide, [Al <sub>4</sub> .4Si <sub>0.6</sub> ][O <sub>1.0</sub> C <sub>2.0</sub> ]C. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 636-642	3.3	11
98	Electronic and crystal structures of nanolaminate yttrium aluminum carbide YAl <sub>3</sub> C <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2008</b> , 451, 48-52	2.5	11
97	Phase Stability Study on the Remelting Reaction in Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 3387-3389	3.8	11
96	Kinetics of Remelting Reaction in Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. <i>Journal of the Ceramic Society of Japan</i> , <b>1995</b> , 103, 444-448		11
95	Enhancement of photoluminescence intensity and structural change by doping of P <sup>5+</sup> ion for Ca <sub>2</sub> SiO <sub>4</sub> (Si <sub>1-x</sub> P <sub>x</sub> )O <sub>4</sub> :Eu <sup>2+</sup> green phosphor. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 658, 147-151	5.7	10
94	Crystal structures and polymorphism of Sr <sub>4</sub> [Al <sub>6</sub> O <sub>12</sub> ]SO <sub>4</sub> . <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 364-370	1	10
93	Synthesis and structural characterization of Al <sub>4</sub> Si <sub>2</sub> C <sub>5</sub> -homeotypic aluminum silicon oxycarbide, (Al <sub>6-6x</sub> Si <sub>x</sub> )(O <sub>y</sub> C <sub>5-y</sub> ) (x~0.8 and y~1.6). <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 2183-2189	3.3	10
92	Synthesis and Crystal Structure of a New Layered Carbide ZrAl <sub>8</sub> C <sub>7</sub> . <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3758-3761	3.8	10
91	Comminution of Asbestos by a Mechanical Grinding in Asbestos-Containing Cement Board. <i>Journal of the Ceramic Society of Japan</i> , <b>2005</b> , 113, 804-807		10
90	Detoxification of industrial asbestos waste by low-temperature heating in a vacuum. <i>Journal of the Ceramic Society of Japan</i> , <b>2008</b> , 116, 242-246	1	9
89	Crystal structures and phase transitions of SrZr(PO <sub>4</sub> ) <sub>2</sub> BaZr(PO <sub>4</sub> ) <sub>2</sub> solid solutions. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3870-3876	3.3	9
88	Fabrication and Mechanical Properties of Sintered Leucite Body. <i>Journal of the Ceramic Society of Japan</i> , <b>2005</b> , 113, 488-490		9
87	Anisotropic Thermal Expansion of Ca <sub>2</sub> SiO <sub>4</sub> Monoclinic Crystal. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 1595-1598	3.8	9
86	Impurity Distribution During Crystal Growth of Alite in Portland Cement Clinker. <i>Journal of the American Ceramic Society</i> , <b>1991</b> , 74, 2082-2085	3.8	9
85	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 2149-2158	6	8
84	Crystal structures and enhancement of photoluminescence intensities by effective doping for lithium tantalate phosphors. <i>Powder Diffraction</i> , <b>2015</b> , 30, 326-332	1.8	8

83	Synthesis and Crystal Structure of a New Layered Carbide [Zr <sub>1.97</sub> Y <sub>0.03</sub> ]Al <sub>4</sub> C <sub>5</sub> . <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 1342-1345	3.8	8
82	Highly Reactive Remelted Belite. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 637-640	3.8	8
81	Substitution of Sodium and Silicon in Tricalcium Aluminate. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 112-114	3.8	8
80	Fractional Crystallization of Liquid Coexisting with Ca <sub>2</sub> SiO <sub>4</sub> Solid Solution in the CaO-Bi <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 2154-2161	3.8	8
79	Effect of Crystal Grain Size and Thermal Stress on Martensitic Transformation of Phosphorus-Bearing Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2729-2731	3.8	8
78	Thermal Expansion of SrY <sub>2</sub> O <sub>4</sub> . <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 3205-3206	3.8	8
77	Characterization of Liquid Exsolved by Remelting Reaction of Belite. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 1155-1160	3.8	8
76	Syntheses and crystal structures of Li(Ta <sub>0.89</sub> Ti <sub>0.11</sub> )O <sub>2.945</sub> and (Li <sub>0.977</sub> Eu <sub>0.023</sub> )(Ta <sub>0.89</sub> Ti <sub>0.11</sub> )O <sub>2.968</sub> . <i>Powder Diffraction</i> , <b>2013</b> , 28, 178-183	1.8	7
75	Evaluation of Heated Chrysotile Using Phase-Contrast Microscope. <i>Journal of the Ceramic Society of Japan</i> , <b>2006</b> , 114, 716-718		7
74	Anisotropic Thermal Expansion in CaAl <sub>4</sub> O <sub>7</sub> . <i>Journal of Materials Research</i> , <b>2002</b> , 17, 1050-1054	2.5	7
73	Enhancement of PL intensity and formation of core-shell structure in annealed Ca <sub>2-x/2</sub> (Si <sub>1-x</sub> P <sub>x</sub> )O <sub>4</sub> :Eu <sup>2+</sup> phosphor. <i>Materials Research Bulletin</i> , <b>2016</b> , 83, 502-506	5.1	7
72	Discovery of the High-Pressure Phase of BaWO and Determination of Its Crystal Structure. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13007-13013	5.1	6
71	Ordinary and extraordinary structural phase transitions in the perovskite-related layered compound Sr <sub>3</sub> W <sub>2</sub> O <sub>9</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	6
70	Microtexture of c-Axis-Oriented Polycrystalline Lanthanum Silicate Oxyapatite Formed by Reactive Diffusion. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2816-2822	3.8	6
69	Well-aligned polycrystalline lanthanum silicate oxyapatite grown by reactive diffusion between solid La <sub>2</sub> SiO <sub>5</sub> and gases [SiO <sub>2</sub> ]. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 235, 1-6	3.3	6
68	Synthesis and structural characterization of Al <sub>7</sub> C <sub>3</sub> N <sub>3</sub> -homeotypic aluminum silicon oxycarbonitride, (Al <sub>7-x</sub> Si <sub>x</sub> )(O <sub>y</sub> C <sub>z</sub> N <sub>3-y-z</sub> ) (x~1.2, y~1.0 and z~3.5). <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2278-2284	3.3	6
67	Syntheses and crystal structures of Si-bearing layered carbides ZrAl <sub>8</sub> C <sub>7</sub> and ZrAl <sub>4</sub> C <sub>4</sub> . <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 37-41	1	6
66	Reinvestigation of crystal structure and structural disorder of Ba <sub>3</sub> MgSi <sub>2</sub> O <sub>8</sub> . <i>Powder Diffraction</i> , <b>2009</b> , 24, 180-184	1.8	6

65	Melt differentiation and crystallization of clinker minerals in a $\text{CaO} \cdot \text{SiO}_2 \cdot 2\text{Al}_2\text{O}_3 \cdot 3\text{Fe}_2\text{O}_3$ pseudoquaternary system. <i>Cement and Concrete Research</i> , <b>2010</b> , 40, 167-170	10.3	6
64	Chemical zoning of calcium aluminoferrite formed during melt crystallization in $\text{CaO} \cdot \text{SiO}_2 \cdot 2\text{Al}_2\text{O}_3 \cdot 3\text{Fe}_2\text{O}_3$ pseudoquaternary system. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 1535-1540	10.3	6
63	Acceleration of Early Hydration in Belite-Rich Cement by Remelting Reaction.. <i>Journal of the Ceramic Society of Japan</i> , <b>1999</b> , 107, 901-906		6
62	Crystal structure and physical properties of Cr and Mn oxides with 3d <sup>3</sup> electronic configuration and a $\text{K}_2\text{NiF}_4$ -type structure. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3452-3459	7.1	5
61	Electron density distribution and disordered crystal structure of 8H-SiAlON, $\text{Si}_3\text{N}_4\text{Al}_{1+x}\text{O}_x\text{N}_5$ ( $x \sim 2.2$ ). <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 213, 169-175	3.3	5
60	The Effect of Heat Treatment on the Emission Color of P-Doped CaSiO <sub>3</sub> Phosphor. <i>Materials</i> , <b>2017</b> , 10,	3.5	5
59	Electron-density distribution and disordered crystal structure of 12H-SiAlON, $\text{SiAl}_5\text{O}_2\text{N}_5$ . <i>Powder Diffraction</i> , <b>2014</b> , 29, 318-324	1.8	5
58	Synthesis and disordered crystal structure of $\text{Al}_3\text{O}_3 \cdot 5\text{CaO} \cdot 5$ . <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 2648-53	5.1	5
57	Detoxification of Asbestos-Containing Building Material Waste and Its Application to Cement Product. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 290-293		5
56	Powder X-ray diffraction data of a new calcium zirconium phosphate $\text{Ca}_7\text{Zr}(\text{PO}_4)_6$ . <i>Powder Diffraction</i> , <b>2004</b> , 19, 385-387	1.8	5
55	Melt Differentiation Induced by Zonal Structure Formation of Calcium Aluminoferrite in a $\text{CaO} \cdot \text{SiO}_2 \cdot 2\text{Al}_2\text{O}_3 \cdot 3\text{Fe}_2\text{O}_3$ Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 954-962	3.8	5
54	Recent Progress in Crystal Chemistry of Belite. Intracrystalline Microtextures Induced by Phase Transformations and Application of Remelting Reaction to Improvement of Hydration Reactivity.. <i>Journal of the Ceramic Society of Japan</i> , <b>2001</b> , 109, S43-S48		5
53	Crystal structure and magnetism in the $\text{S} = 1/2$ spin dimer compound NaCuVPO. <i>IUCrJ</i> , <b>2020</b> , 7, 656-662	4.7	5
52	Crystal Structure and Photoluminescence Properties of an Incommensurate Phase in EuO- and PO-Doped CaSiO <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6155-6160	5.1	4
51	Crystal Structure and Oxide-Ion Conductivity of Highly Grain-Aligned Polycrystalline Lanthanum Germanate Oxyapatite Grown by Reactive Diffusion between Solid $\text{La}_2\text{GeO}_5$ and Gases [ $\text{GeO} + 1/2\text{O}_2$ ]. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 3435-3441	3.5	4
50	Disordered crystal structure of 20H-AlON, $\text{Al}_{10}\text{O}_3\text{N}_8$ . <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 230, 149-154	3.3	4
49	Crystallization of belite and belite clinker minerals in the presence of liquid phase. <i>Cement and Concrete Research</i> , <b>2014</b> , 60, 63-67	10.3	4
48	Electron density distribution and crystal structure of $\text{Ca}_{1-x/2}\text{AlSi}(\text{N}_{3-x}\text{O}_x) \cdot \text{Eu}^{2+}$ ( $x \sim 0.11$ ). <i>Powder Diffraction</i> , <b>2011</b> , 26, S38-S43	1.8	4



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43	Local structure and oxide-ion conduction mechanism in apatite-type lanthanum silicates. <i>Science and Technology of Advanced Materials</i> , <b>2017</b> , 18, 644-653	7.1	3
42	High-pressure synthesis and crystal structure of the strontium tungstate SrWO. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2018</b> , 74, 120-124	0.8	3
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