

# Koichiro Fukuda

## List of Publications by Year in descending order

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154  
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2,006  
citations

257450

24  
h-index

377865

34  
g-index

160  
all docs

160  
docs citations

160  
times ranked

1302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion Path and Conduction Mechanism of Oxide Ions in Apatite-Type Lanthanum Silicates. Chemistry of Materials, 2009, 21, 2508-2517.	6.7	105
2	Crystal structure of hexagonal SrAl <sub>2</sub> O <sub>4</sub> at 1073K. Journal of Solid State Chemistry, 2005, 178, 2709-2714.	2.9	58
3	Oxide-Ion Conductivity of Highly <i>c</i> -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> . Chemistry of Materials, 2011, 23, 5474-5483.	6.7	57
4	Crystal Structure and Oxide-Ion Conductivity along <i>c</i> -Axis of Apatite-Type Lanthanum Silicate with Excess Oxide Ions. Chemistry of Materials, 2012, 24, 4623-4631.	6.7	45
5	Crystal Structure of Zr <sub>2</sub> Al <sub>3</sub> C <sub>4</sub> . Journal of the American Ceramic Society, 2005, 88, 3528-3530.	3.8	43
6	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> . Journal of Solid State Chemistry, 2007, 180, 1809-1815.	2.9	43
7	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> . Journal of Solid State Chemistry, 2008, 181, 2864-2868.	2.9	42
8	Crystal Structure and Oxide-Ion Conductivity along <i>c</i> -Axis of Si-Deficient Apatite-Type Lanthanum Silicate. Chemistry of Materials, 2013, 25, 2154-2162.	6.7	42
9	Anisotropy of oxide-ion conduction in apatite-type lanthanum silicate. Solid State Ionics, 2012, 217, 40-45.	2.7	40
10	Structural change of oxide-ion-conducting lanthanum silicate on heating from 295 to 1073ÅK. Solid State Ionics, 2007, 178, 1523-1529.	2.7	38
11	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> . Journal of Materials Research, 2007, 22, 2888-2894.	2.6	36
12	Crystal structure of lanthanum oxyorthosilicate, La <sub>2</sub> SiO <sub>5</sub> . Powder Diffraction, 2006, 21, 300-303.	0.2	35
13	Thermal Expansion of Yttrium Disilicate. Journal of the American Ceramic Society, 2004, 87, 89-92.	3.8	32
14	High oxide-ion conductivity in Si-deficient La <sub>9.565</sub> (Si <sub>5.826</sub> – <i>x</i> 0.174) <sub>26</sub> apatite without interstitial oxygens due to the overbonded channel oxygens. Journal of Materials Chemistry A, 2018, 6, 10835-10846.	10.3	32
15	Orientation of coherent interphase boundaries formed by the $\hat{I} \pm$ to $\hat{I} \pm'$ phase transition in belite crystals. Cement and Concrete Research, 1993, 23, 599-602.	11.0	30
16	Crystal structure, phase transition and anisotropic thermal expansion of barium zirconium diorthophosphate, BaZr(PO <sub>4</sub> ) <sub>2</sub> . Journal of Solid State Chemistry, 2005, 178, 2144-2151.	2.9	29
17	Remelting Reaction within Belite Crystals during Cooling. Journal of the American Ceramic Society, 1992, 75, 2896-2898.	3.8	28
18	Crystal Structure and Thermoelectric Properties of YAl <sub>3</sub> C <sub>3</sub> . Journal of the American Ceramic Society, 2007, 90, 3299-3302.	3.8	28

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19	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. Journal of Solid State Chemistry, 2014, 215, 265-270.	2.9	28
20	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> . Journal of Solid State Chemistry, 2008, 181, 51-55.	2.9	27
21	Direct observation of the ferroelectric polarization in the layered perovskite Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . Journal of Applied Physics, 2016, 120, 142117.	2.5	27
22	Thermal Hysteresis for the α'↔β Transformations in Strontium Oxide-Doped Dicalcium Silicates. Journal of the American Ceramic Society, 1996, 79, 2969-2970.	3.8	26
23	Anisotropic thermal expansion in yttrium silicate. Journal of Materials Research, 2003, 18, 1715-1722.	2.6	26
24	Improvement in Reactivity and Grindability of Belite-Rich Cement by Remelting Reaction. Journal of the American Ceramic Society, 1999, 82, 2177-2180.	3.8	26
25	Crystal structure of calcium zirconium diorthophosphate, CaZr(PO <sub>4</sub> ) <sub>2</sub> . Powder Diffraction, 2003, 18, 296-300.	0.2	24
26	Determination of the <i>Pcm</i> / <i>Ibm</i> 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> . Journal of the American Ceramic Society, 2002, 85, 1300-1302.	3.8	24
27	Combined Effect of Germanium Doping and Grain Alignment on Oxide-Ion Conductivity of Apatite-Type Lanthanum Silicate Polycrystal. Chemistry of Materials, 2012, 24, 2611-2618.	6.7	24
28	Microtextures Formed by the Remelting Reaction in Belite Crystals. Journal of the American Ceramic Society, 1993, 76, 2942-2944.	3.8	22
29	Cationic substitution in tricalcium aluminate. Cement and Concrete Research, 2003, 33, 1771-1775.	11.0	21
30	Effect of Mg substitution on crystal structure and oxide-ion conductivity of apatite-type lanthanum silicates. Solid State Ionics, 2010, 181, 1024-1032.	2.7	21
31	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> ). Journal of Solid State Chemistry, 2012, 194, 157-161.	2.9	21
32	Structural Change in Phosphorus-Bearing Dicalcium Silicates. Journal of the Ceramic Society of Japan, 1997, 105, 117-121.	1.3	20
33	Crystal Structure, Structural Disorder, and Hydration Behavior of Calcium Zirconium Aluminate, Ca <sub>7</sub> ZrAl <sub>6</sub> O <sub>18</sub> . Chemistry of Materials, 2007, 19, 3726-3731.	6.7	20
34	Synthesis and Crystal Structure of a New Layered Carbide ZrAl <sub>4</sub> C <sub>4</sub> . Journal of the American Ceramic Society, 2008, 91, 2713-2715.	3.8	20
35	Electron density distribution and crystal structure of 27R-AlON, Al <sub>9</sub> O <sub>3</sub> N <sub>7</sub> . Journal of Solid State Chemistry, 2013, 204, 21-26.	2.9	20
36	Thermoelastic Behavior in Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. Journal of the American Ceramic Society, 1996, 79, 2925-2928.	3.8	19

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37	Effect of Al/Fe Ratio in Belite on the Microtexture Induced by the Remelting Reaction. Journal of the American Ceramic Society, 1994, 77, 3027-3029.	3.8	18
38	Crystal structure and phase transformations of calcium yttrium orthophosphate, Ca <sub>3</sub> Y(PO <sub>4</sub> ) <sub>3</sub> . Journal of Solid State Chemistry, 2006, 179, 3420-3428.	2.9	18
39	Lanthanum- and Oxygen-Deficient Crystal Structures of Oxide-Ion Conducting Apatite-Type Silicates. Journal of the American Ceramic Society, 2008, 91, 3714-3720.	3.8	18
40	Structure Change of Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions with Ba Concentration. Journal of the American Ceramic Society, 1992, 75, 884-888.	3.8	17
41	Effect of MgO and SO <sub>3</sub> on the Impurity Concentration in Alite in Portland Cement Clinker. Journal of the American Ceramic Society, 1992, 75, 3163-3165.	3.8	17
42	Crystal structure and phase transitions of strontium zirconium diorthophosphate, SrZr(PO <sub>4</sub> ) <sub>2</sub> . Journal of Solid State Chemistry, 2004, 177, 3514-3521.	2.9	17
43	Structural disorder in Ba <sub>0.6</sub> Sr <sub>0.4</sub> Al <sub>2</sub> O <sub>4</sub> . Journal of Solid State Chemistry, 2005, 178, 3662-3666.	2.9	17
44	Structure and Microtexture Changes in Phosphorous-Bearing Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. Journal of the American Ceramic Society, 1994, 77, 2615-2619.	3.8	16
45	Electron density distribution and crystal structure of 21<i>R</i>-ALON, Al <sub>7</sub> O <sub>3</sub> N <sub>5</sub> . Powder Diffraction, 2013, 28, 171-177.	0.2	16
46	Transitional Phase of Ca <sub>2</sub> SiO <sub>4</sub> Solid Solution with Incommensurate Superstructure. Journal of the American Ceramic Society, 1989, 72, 2204-2207.	3.8	15
47	Kinetics of the alpha-to-alpha'H Polymorphic Phase Transition of Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. Journal of the American Ceramic Society, 1993, 76, 1821-1824.	3.8	15
48	Remelting reaction of $\hat{I}$ -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. Cement and Concrete Research, 2001, 31, 1185-1189.	11.0	15
49	Improvement in Hydration Reactivity of $\hat{I}$ -Phase Belite by Remelting Reaction. Journal of the American Ceramic Society, 2001, 84, 639-641.	3.8	15
50	Phase Stability Study on the Remelting Reaction in Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. Journal of the American Ceramic Society, 1995, 78, 3387-3389.	3.8	14
51	Structure Change in Strontium Oxide-Doped Dicalcium Silicates. Journal of the American Ceramic Society, 1996, 79, 2577-2581.	3.8	14
52	First discovery and structural characterization of a new compound in Al-Si-O-C system. Journal of Solid State Chemistry, 2009, 182, 2252-2260.	2.9	14
53	Electron density distribution and disordered crystal structure of 15R-SiALON, Si <sub>4</sub> Al <sub>4</sub> O <sub>2</sub> N <sub>4</sub> . Journal of Solid State Chemistry, 2014, 211, 124-129.	2.9	14
54	Electronic and crystal structures of nanolaminate yttrium aluminum carbide YAl <sub>3</sub> C <sub>3</sub> . Chemical Physics Letters, 2008, 451, 48-52.	2.6	13

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55	Enhancement of photoluminescence intensity and structural change by doping of P 5+ ion for Ca $2\hat{x}/2$ (Si $1\hat{x} P x$ ) O 4 :Eu 2+ green phosphor. Journal of Alloys and Compounds, 2016, 658, 147-151.	5.5	13
56	Kinetics of Remelting Reaction in Ca <sub>2</sub> SiO <sub>4</sub> Solid Solutions. Journal of the Ceramic Society of Japan, 1995, 103, 444-448.	1.3	12
57	Synthesis and structural characterization of a new aluminum oxycarbonitride, Al <sub>5</sub> (O, C, N) <sub>4</sub> . Journal of Solid State Chemistry, 2010, 183, 2570-2575.	2.9	12
58	Synthesis and structural characterization of Al <sub>4</sub> SiC <sub>4</sub> -homeotypic aluminum silicon oxycarbide, [Al <sub>4.4</sub> Si <sub>0.6</sub> ][O <sub>1.0</sub> C <sub>2.0</sub> ]C. Journal of Solid State Chemistry, 2010, 183, 636-642.	2.9	12
59	Crystal structure of layered perovskite compound, Li <sub>2</sub> LaTa <sub>2</sub> O <sub>6</sub> N. Powder Diffraction, 2011, 26, 4-8.	0.2	12
60	Fabrication and Mechanical Properties of Sintered Leucite Body. Journal of the Ceramic Society of Japan, 2005, 113, 488-490.	1.3	11
61	Crystal structures and phase transitions of SrZr(PO <sub>4</sub> ) <sub>2</sub> –BaZr(PO <sub>4</sub> ) <sub>2</sub> solid solutions. Journal of Solid State Chemistry, 2006, 179, 3870-3876.	2.9	11
62	Electron density distribution and crystal structure of lithium strontium silicate, Li <sub>2</sub> SrSiO <sub>4</sub> . Powder Diffraction, 2010, 25, 4-8.	0.2	11
63	Impurity Distribution During Crystal Growth of Alite in Portland Cement Clinker. Journal of the American Ceramic Society, 1991, 74, 2082-2085.	3.8	10
64	Anisotropic Thermal Expansion in CaAl <sub>4</sub> O <sub>7</sub> . Journal of Materials Research, 2002, 17, 1050-1054.	2.6	10
65	Comminution of Asbestos by a Mechanical Grinding in Asbestos-Containing Cement Board. Journal of the Ceramic Society of Japan, 2005, 113, 804-807.	1.3	10
66	Anisotropic Thermal Expansion of $\hat{2}\hat{C}\hat{2}\hat{SiO}\hat{4}$ Monoclinic Crystal. Journal of the American Ceramic Society, 1997, 80, 1595-1598.	3.8	10
67	Thermal Expansion of SrY <sub>2</sub> O <sub>4</sub> . Journal of the American Ceramic Society, 2005, 88, 3205-3206.	3.8	10
68	Synthesis and Crystal Structure of a New Layered Carbide ZrAl <sub>8</sub> C <sub>7</sub> . Journal of the American Ceramic Society, 2008, 91, 3758-3761.	3.8	10
69	Synthesis and structural characterization of Al <sub>4</sub> Si <sub>2</sub> C <sub>5</sub> -homeotypic aluminum silicon oxycarbide, (Al $\hat{x}$ Si $\hat{y}$ )(OyC $\hat{5}\hat{y}$ ) ( $\hat{x}\hat{1}/40.8$ and $\hat{y}\hat{1}/41.6$ ). Journal of Solid State Chemistry, 2010, 183, 2183-2189.	2.9	10
70	Crystal structures and enhancement of photoluminescence intensities by effective doping for lithium tantalate phosphors. Powder Diffraction, 2015, 30, 326-332.	0.2	10
71	Oxide-Ion Conductivity Enhancement of Polycrystalline Lanthanum Silicate Oxyapatite Induced by BaO Doping and Grain Alignment. Crystal Growth and Design, 2016, 16, 4519-4525.	3.0	10
72	Crystal structures and polymorphism of Sr <sub>4</sub> [Al <sub>6</sub> O <sub>12</sub> ]SO <sub>4</sub> . Journal of the Ceramic Society of Japan, 2017, 125, 364-370.	1.1	10

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73	Characterization of Liquid Exsolved by Remelting Reaction of Belite. Journal of the American Ceramic Society, 2001, 84, 1155-1160.	3.8	9
74	Substitution of Sodium and Silicon in Tricalcium Aluminate. Journal of the American Ceramic Society, 2003, 86, 112-114.	3.8	9
75	Fractional Crystallization of Liquid Coexisting with $\text{Ca}_2\text{SiO}_4$ Solid Solution in the $\text{CaO}-\text{SiO}_2-\text{Al}_2\text{O}_3-\text{Fe}_2\text{O}_3$ Pseudoquaternary System. Journal of the American Ceramic Society, 2003, 86, 2154-2161.	3.8	9
76	Detoxification of industrial asbestos waste by low-temperature heating in a vacuum. Journal of the Ceramic Society of Japan, 2008, 116, 242-246.	1.1	9
77	Well-aligned polycrystalline lanthanum silicate oxyapatite grown by reactive diffusion between solid $\text{La}_2\text{SiO}_5$ and gases $[\text{SiO} + 1/2\text{O}_2]$ . Journal of Solid State Chemistry, 2016, 235, 1-6.	2.9	9
78	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. Journal of the European Ceramic Society, 2017, 37, 2149-2158.	5.7	9
79	Highly Reactive Remelted Belite. Journal of the American Ceramic Society, 1999, 82, 637-640.	3.8	8
80	Effect of Crystal Grain Size and Thermal Stress on Martensitic Transformation of Phosphorus-Bearing Dicalcium Silicates. Journal of the American Ceramic Society, 1998, 81, 2729-2731.	3.8	8
81	Synthesis and Crystal Structure of a New Layered Carbide $[\text{Zr}_{1.97}\text{Y}_{0.03}]\text{Al}_4\text{C}_5$ . Journal of the American Ceramic Society, 2008, 91, 1342-1345.	3.8	8
82	Synthesis and structural characterization of $\text{Al}_7\text{C}_3\text{N}_3$ -homeotypic aluminum silicon oxycarbonitride, $(\text{Al}_{7-x}\text{Si}_x)(\text{OyCzN}_6\text{y}^z)$ ( $x \sim 1/4$ 1.2, $y \sim 1/4$ 1.0 and $z \sim 1/4$ 3.5). Journal of Solid State Chemistry, 2011, 184, 2278-2284.	2.9	8
83	Synthesis and Disordered Crystal Structure of $\text{Al}_3\text{O}_3.5\text{C}_0.5$ . Inorganic Chemistry, 2013, 52, 2648-2653.	4.0	8
84	Syntheses and crystal structures of $\text{Li}(\text{Ta}_{0.89}\text{Ti}_{0.11})\text{O}_{2.945}$ and $(\text{Li}_{0.977}\text{Eu}_{0.023})(\text{Ta}_{0.89}\text{Ti}_{0.11})\text{O}_{2.968}$ . Powder Diffraction, 2013, 28, 178-183.	0.2	8
85	Enhancement of PL intensity and formation of core-shell structure in annealed $\text{Ca}_{2-x/2}(\text{Si}_{1-x}\text{P}_x)\text{O}_4$ : $\text{Eu}^{2+}$ phosphor. Materials Research Bulletin, 2016, 83, 502-506.	5.2	8
86	Microtexture of $\text{c}$ -Axis-Oriented Polycrystalline Lanthanum Silicate Oxyapatite Formed by Reactive Diffusion. Journal of the American Ceramic Society, 2016, 99, 2816-2822.	3.8	8
87	Crystal structure and magnetism in the $S = 1/2$ spin dimer compound $\text{NaCu}_2\text{VP}_2\text{O}_{10}$ . IUCr, 2020, 7, 656-662.	2.2	8
88	Chemical zoning of calcium aluminoferrite formed during melt crystallization in $\text{CaO}-\text{SiO}_2-\text{Al}_2\text{O}_3-\text{Fe}_2\text{O}_3$ pseudoquaternary system. Cement and Concrete Research, 2004, 34, 1535-1540.	11.0	7
89	Evaluation of Heated Chrysotile Using Phase-Contrast Microscope. Journal of the Ceramic Society of Japan, 2006, 114, 716-718.	1.3	7
90	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 $[\text{GeO} + 1/2\text{O}_2]$ . Crystal Growth and Design, 2015, 15, 3435-3441.	3.0	7

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91	Structure and ionic conductivity of well-aligned polycrystalline sodium titanogallate grown by reactive diffusion. <i>Journal of Solid State Chemistry</i> , 2015, 229, 252-259.	2.9	7
92	Crystal structure and physical properties of Cr and Mn oxides with $3d^{3+}$ electronic configuration and a $K_2NiF_4$ -type structure. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3452-3459.	5.5	7
93	Discovery of the High-Pressure Phase of $Ba_3W_2O_9$ and Determination of Its Crystal Structure. <i>Inorganic Chemistry</i> , 2017, 56, 13007-13013.	4.0	7
94	The Effect of Heat Treatment on the Emission Color of P-Doped $Ca_2SiO_4$ Phosphor. <i>Materials</i> , 2017, 10, 1000.	2.9	7
95	Acceleration of Early Hydration in Belite-Rich Cement by Remelting Reaction.. <i>Journal of the Ceramic Society of Japan</i> , 1999, 107, 901-906.	1.3	6
96	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> , 2001, 109, S43-S48.	1.3	6
97	$[Zr_{0.72}Y_{0.28}]Al_4C_4$ : A new member of the homologous series $(MC)_l(T_4C_3)_m$ ( $M=Zr, Y$ and $Hf, T=Al, Si$ and) $T_j$ $ETQ_{11}$ $0.784314$ $rgB$	2.9	6
98	Syntheses and crystal structures of Si-bearing layered carbides $ZrAl_8C_7$ and $ZrAl_4C_4$ . <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 37-41.	1.1	6
99	Reinvestigation of crystal structure and structural disorder of $Ba_3MgSi_2O_8$ . <i>Powder Diffraction</i> , 2009, 24, 180-184.	0.2	6
100	Melt differentiation and crystallization of clinker minerals in a $CaO-SiO_2-Al_2O_3-Fe_2O_3$ pseudoquaternary system. <i>Cement and Concrete Research</i> , 2010, 40, 167-170.	11.0	6
101	Electron-density distribution and disordered crystal structure of $12H-SiAlON$ , $Si_5Al_2N_5$ . <i>Powder Diffraction</i> , 2014, 29, 318-324.	0.2	6
102	Local structure and oxide-ion conduction mechanism in apatite-type lanthanum silicates. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 644-653.	6.1	6
103	Ordinary and extraordinary structural phase transitions in the perovskite-related layered compound $Sr_3W_2O_9$ . <i>Physical Review B</i> , 2019, 99, .	3.2	6
104	Powder X-ray diffraction data of a new calcium zirconium phosphate $Ca_7Zr(PO_4)_6$ . <i>Powder Diffraction</i> , 2004, 19, 385-387.	0.2	5
105	Melt Differentiation Induced by Zonal Structure Formation of Calcium Aluminoferrite in a $CaO-SiO_2-Al_2O_3-Fe_2O_3$ Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , 2005, 88, 954-962.	3.8	5
106	Detoxification of Asbestos-Containing Building Material Waste and Its Application to Cement Product. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 290-293.	1.3	5
107	Crystallization of belite-melilite clinker minerals in the presence of liquid phase. <i>Cement and Concrete Research</i> , 2014, 60, 63-67.	11.0	5
108	Electron density distribution and disordered crystal structure of $8H-SiAlON$ , $Si_3Al_{1+x}O_{N5-x}$ ( $x=2.2$ ). <i>Journal of Solid State Chemistry</i> , 2014, 213, 169-175.	2.9	5

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109	Disordered crystal structure of 20H-ALON, Al <sub>100</sub> O <sub>3</sub> N <sub>8</sub> . Journal of Solid State Chemistry, 2015, 230, 149-154.	2.9	5
110	Flux growth of doped lanthanum silicate oxyapatite crystals with hexagonal tabular morphology. Journal of the Ceramic Society of Japan, 2019, 127, 143-149.	1.1	5
111	Charge ordering and successive phase transitions of mixed-valence iron oxide GdBaFe <sub>2</sub> O <sub>5</sub> . Journal of Solid State Chemistry, 2020, 282, 121069.	2.9	5
112	Incommensurately Modulated Crystal Structure and Photoluminescence Properties of Eu <sub>2</sub> O <sub>3</sub> - and P <sub>2</sub> O <sub>5</sub> -Doped Ca <sub>2</sub> SiO <sub>4</sub> Phosphor. Materials, 2020, 13, 58.	2.9	5
113	Detoxification of Sprayed Crocidolite. Journal of the Ceramic Society of Japan, 2006, 114, 1150-1154.	1.3	4
114	Melt Differentiation Induced by Crystallization of Cement Clinker Minerals in a CaO-SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> Pseudoquaternary System. Journal of the American Ceramic Society, 2008, 91, 4093-4100.	3.8	4
115	Syntheses and crystal structures of Ge-bearing 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> . Journal of the Ceramic Society of Japan, 2009, 117, 22-26.	1.1	4
116	Electron density distribution and crystal structure of Ca <sub>1-x</sub> /2AlSi(N <sub>3-x</sub> O <sub>x</sub> ):Eu <sup>2+</sup> (x ≈ 0.11). Powder Diffraction, 2011, 26, S38-S43.	0.2	4
117	Crystal Structure and Photoluminescence Properties of an Incommensurate Phase in EuO- and P <sub>2</sub> O <sub>5</sub> -Doped Ca <sub>2</sub> SiO <sub>4</sub> . Inorganic Chemistry, 2019, 58, 6155-6160.	4.0	4
118	Structural Transition with a Sharp Change in the Electrical Resistivity and Spin-Orbit Mott Insulating State in a Rhenium Oxide, Sr <sub>3</sub> Re <sub>2</sub> O <sub>9</sub> . Inorganic Chemistry, 2021, 60, 507-514.	4.0	4
119	Templated grain growth of textured lanthanum silicate oxyapatite ceramics. Journal of the Ceramic Society of Japan, 2020, 128, 954-961.	1.1	4
120	Effect of Substituent Ions on Martensitic Transformation Temperatures in Dicalcium Silicate Solid Solutions. Journal of the American Ceramic Society, 2002, 85, 1804-1806.	3.8	3
121	Electron density distribution and crystal structure of 27R-SIALON, Si <sub>3</sub> Al <sub>6+x</sub> O <sub>10+x</sub> N <sub>10-x</sub> (x ≈ 1.9). Journal of the Ceramic Society of Japan, 2014, 122, 281-287.		
122	High-pressure synthesis and crystal structure of the strontium tungstate Sr <sub>3</sub> W <sub>2</sub> O <sub>9</sub> . Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 120-124.	0.5	3
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