

Koichiro Fukuda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154
papers

1,726
citations

21
h-index

30
g-index

160
ext. papers

1,817
ext. citations

3.7
avg. IF

4.47
L-index

#	Paper	IF	Citations
154	Discovery of Fast Calcium-Ion Conduction in Grossite-Type Compounds CaAl ₄ O ₇ and CaGa ₄ O ₇ by Bond Valence Screening Method. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3227-3234	6.1	0
153	Unique octahedral rotation pattern in the oxygen-deficient Ruddlesden-Popper compound GdBaFeO. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021 , 77, 286-290	0.8	
152	Impurity-Induced Antiferromagnetism in S = 1/2 Alternating Chain System NaCu ₂ V ₂ P ₂ O ₁₀ . <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 085002	1.5	
151	Structural Transition with a Sharp Change in the Electrical Resistivity and Spin-Orbit Mott Insulating State in a Rhenium Oxide, SrReO. <i>Inorganic Chemistry</i> , 2021 , 60, 507-514	5.1	2
150	Crystal Structure and Cation Distribution of the X-type Hexaferrite Sr ₂ Co ₂ Fe ₂₈ O ₄₆ . <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 034601	1.5	
149	Morphology and oxide-ion conductivity of flux grown single crystals of BaO-doped lanthanum silicate oxyapatite. <i>Solid State Ionics</i> , 2020 , 346, 115219	3.3	1
148	Crystal structure and magnetism in the = 1/2 spin dimer compound NaCuVPO. <i>IUCrJ</i> , 2020 , 7, 656-662	4.7	5
147	Average and Local Crystal Structures of Multiferroic Eu _{1-x} Y _x MnO ₃ (x = 0.2 and 0.4). <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000334	1.3	3
146	Templated grain growth of textured lanthanum silicate oxyapatite ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 954-961	1	
145	Charge ordering and successive phase transitions of mixed-valence iron oxide GdBaFe ₂ O ₅ . <i>Journal of Solid State Chemistry</i> , 2020 , 282, 121069	3.3	1
144	High-purity synthesis of La ₂ SiO ₅ by solid-state reaction between La ₂ O ₃ and different characteristics of SiO ₂ . <i>Ceramics International</i> , 2020 , 46, 25546-25555	5.1	1
143	ANALYSIS OF DISORDERED CRYSTAL STRUCTURE OF YEELIMITE(DOPED Ca ₄ [Al ₆ O ₁₂]SO ₄)FROM X-RAY POWDER DIFFRACTION DATA. <i>Cement Science and Concrete Technology</i> , 2019 , 72, 2-9	0	
142	Crystal Structure and Photoluminescence Properties of an Incommensurate Phase in EuO- and PO-Doped CaSiO. <i>Inorganic Chemistry</i> , 2019 , 58, 6155-6160	5.1	4
141	Grain-oriented polycrystalline sodium titanaluminate formed by reactive diffusion between solid Al ₂ TiO ₅ and liquid [25 mol % Na ₂ O and 75 mol % TiO ₂]. <i>Journal of the Ceramic Society of Japan</i> , 2019 , 127, 150-157	1	
140	Flux growth of doped lanthanum silicate oxyapatite crystals with hexagonal tabular morphology. <i>Journal of the Ceramic Society of Japan</i> , 2019 , 127, 143-149	1	1
139	Ordinary and extraordinary structural phase transitions in the perovskite-related layered compound Sr ₃ W ₂ O ₉ . <i>Physical Review B</i> , 2019 , 99,	3.3	6
138	Incommensurately Modulated Crystal Structure and Photoluminescence Properties of EuO- and PO-Doped CaSiO Phosphor. <i>Materials</i> , 2019 , 13,	3.5	2

137	High oxide-ion conductivity in Si-deficient $\text{La}_{9.565}(\text{Si}_{5.826}\text{O}_{70.174})\text{O}_{26}$ apatite without interstitial oxygens due to the overbonded channel oxygens. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10835-10846	13	15
136	High-pressure synthesis and crystal structure of the strontium tungstate SrWO_4 . <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018 , 74, 120-124	0.8	3
135	Crystal Structure Evaluation of the Ferroelectric Layered Perovskite $\text{Bi}_4\text{Ti}_3\text{O}_{12}$. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2018 , 65, 687-693	0.2	
134	One-dimensional ion-conductive grain-aligned polycrystalline lithium titanogallate fabricated by combined techniques of reactive diffusion and ion exchange. <i>Solid State Ionics</i> , 2017 , 304, 13-19	3.3	
133	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2149-2158	6	8
132	Local structure and oxide-ion conduction mechanism in apatite-type lanthanum silicates. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 644-653	7.1	3
131	Discovery of the High-Pressure Phase of BaWO_4 and Determination of Its Crystal Structure. <i>Inorganic Chemistry</i> , 2017 , 56, 13007-13013	5.1	6
130	Crystal structures and polymorphism of $\text{Sr}_4[\text{Al}_6\text{O}_{12}]\text{SO}_4$. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 364-370	1	10
129	Kinetics of reactive diffusion between solid La_2GeO_5 and gases $[\text{GeO} + 1/2\text{O}_2]$. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 524-527	1	1
128	The Effect of Heat Treatment on the Emission Color of P-Doped CaBiO_4 Phosphor. <i>Materials</i> , 2017 , 10,	3.5	5
127	Microtexture of c-Axis-Oriented Polycrystalline Lanthanum Silicate Oxyapatite Formed by Reactive Diffusion. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2816-2822	3.8	6
126	Well-aligned polycrystalline lanthanum silicate oxyapatite grown by reactive diffusion between solid La_2SiO_5 and gases $[\text{SiO} + 1/2\text{O}_2]$. <i>Journal of Solid State Chemistry</i> , 2016 , 235, 1-6	3.3	6
125	Enhancement of photoluminescence intensity and structural change by doping of P^{5+} ion for $\text{Ca}_{2-x/2}(\text{Si}_{1-x}\text{P}_x)\text{O}_4:\text{Eu}^{2+}$ green phosphor. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 147-151	5.7	10
124	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. <i>Materials Research Bulletin</i> , 2016 , 83, 502-506	5.1	7
123	Disordered crystal structure of 16H-SiAlON, $\text{Si}_3\text{N}_4-x\text{Al}_5+x\text{O}_x\text{N}_9-x$ ($x \sim 2.6$). <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 875-880	1	
122	Direct observation of the ferroelectric polarization in the layered perovskite $\text{Bi}_4\text{Ti}_3\text{O}_{12}$. <i>Journal of Applied Physics</i> , 2016 , 120, 142117	2.5	20
121	Oxide-Ion Conductivity Enhancement of Polycrystalline Lanthanum Silicate Oxyapatite Induced by BaO Doping and Grain Alignment. <i>Crystal Growth and Design</i> , 2016 , 16, 4519-4525	3.5	3
120	Crystal Structure and Oxide-Ion Conductivity of Highly Grain-Aligned Polycrystalline Lanthanum Germanate Oxyapatite Grown by Reactive Diffusion between Solid La_2GeO_5 and Gases $[\text{GeO} + 1/2\text{O}_2]$. <i>Crystal Growth and Design</i> , 2015 , 15, 3435-3441	3.5	4

119	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	3.3	2
118	Disordered crystal structure of 20H-ALON, Al ₁₀ O ₃ N ₈ . <i>Journal of Solid State Chemistry</i> , 2015 , 230, 149-154	3.3	4
117	Crystal structure and physical properties of Cr and Mn oxides with 3d ³ electronic configuration and a K ₂ NiF ₄ -type structure. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3452-3459	7.1	5
116	Crystal structures and enhancement of photoluminescence intensities by effective doping for lithium tantalate phosphors. <i>Powder Diffraction</i> , 2015 , 30, 326-332	1.8	8
115	Exploration of novel inorganic compounds using diffractometry and microscopy toward innovative functions. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 623-629	1	1
114	B23-P-03 Lorentz electron microscopy study on an X-type hexaferrite. <i>Microscopy (Oxford, England)</i> , 2015 , 64, i113.1-i113	1.3	
113	Electron density distribution and disordered crystal structure of 8H-SiALON, Si ₃ N ₄ Al _{1+x} O _x N ₅ (x~2.2). <i>Journal of Solid State Chemistry</i> , 2014 , 213, 169-175	3.3	5
112	Phase transformation of Ca ₄ [Al ₆ O ₁₂]SO ₄ and its disordered crystal structure at 1073K. <i>Journal of Solid State Chemistry</i> , 2014 , 215, 265-270	3.3	21
111	Electron density distribution and disordered crystal structure of 15R-SiALON, SiAl ₄ O ₂ N ₄ . <i>Journal of Solid State Chemistry</i> , 2014 , 211, 124-129	3.3	13
110	Electron density distribution and crystal structure of 27R-SiALON, Si ₃ N ₄ Al _{6+x} O _x N ₁₀ (x ~ 1.9). <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 281-287	1	3
109	Electron-density distribution and disordered crystal structure of 12H-SiALON, SiAl ₅ O ₂ N ₅ . <i>Powder Diffraction</i> , 2014 , 29, 318-324	1.8	5
108	Crystallization of belite/helilite clinker minerals in the presence of liquid phase. <i>Cement and Concrete Research</i> , 2014 , 60, 63-67	10.3	4
107	Syntheses and Oxide-Ion Conductivity of Highly c-Axis-Oriented Polycrystals of Apatite-Type Lanthanum Silicates. <i>Nihon Kessho Gakkaishi</i> , 2014 , 56, 43-48	0	
106	Electron density distribution and crystal structure of 27R-ALON, Al ₉ O ₃ N ₇ . <i>Journal of Solid State Chemistry</i> , 2013 , 204, 21-26	3.3	19
105	Crystal Structure and Oxide-Ion Conductivity along c-Axis of Si-Deficient Apatite-Type Lanthanum Silicate. <i>Chemistry of Materials</i> , 2013 , 25, 2154-2162	9.6	31
104	Synthesis and disordered crystal structure of Al ₃ O _{3.5} C _{0.5} . <i>Inorganic Chemistry</i> , 2013 , 52, 2648-53	5.1	5
103	Electron density distribution and crystal structure of 21R-ALON, Al ₇ O ₃ N ₅ . <i>Powder Diffraction</i> , 2013 , 28, 171-177	1.8	16
102	Syntheses and crystal structures of Li(Ta _{0.89} Ti _{0.11})O _{2.945} and (Li _{0.977} Eu _{0.023})(Ta _{0.89} Ti _{0.11})O _{2.968} . <i>Powder Diffraction</i> , 2013 , 28, 178-183	1.8	7

101	Anisotropy of oxide-ion conduction in apatite-type lanthanum silicate. <i>Solid State Ionics</i> , 2012 , 217, 40-45.3	3.3	36
100	Combined Effect of Germanium Doping and Grain Alignment on Oxide-Ion Conductivity of Apatite-Type Lanthanum Silicate Polycrystal. <i>Chemistry of Materials</i> , 2012 , 24, 2611-2618	9.6	22
99	Crystal Structure and Oxide-Ion Conductivity along c-Axis of Apatite-Type Lanthanum Silicate with Excess Oxide Ions. <i>Chemistry of Materials</i> , 2012 , 24, 4623-4631	9.6	40
98	Thermal expansion of lanthanum silicate oxyapatite ($\text{La}_{9.33+2x}(\text{SiO}_4)_6\text{O}_{2+3x}$), lanthanum oxyorthosilicate (La_2SiO_5) and lanthanum sorosilicate ($\text{La}_2\text{Si}_2\text{O}_7$). <i>Journal of Solid State Chemistry</i> , 2012 , 194, 157-161	3.3	18
97	Oxide-Ion Conductivity of Highly c-Axis-Oriented Apatite-Type Lanthanum Silicate Polycrystal Formed by Reactive Diffusion between La_2SiO_5 and $\text{La}_2\text{Si}_2\text{O}_7$. <i>Chemistry of Materials</i> , 2011 , 23, 5474-5483	9.6	48
96	Crystal structure of layered perovskite compound, $\text{Li}_2\text{LaTa}_2\text{O}_6\text{N}$. <i>Powder Diffraction</i> , 2011 , 26, 4-8	1.8	12
95	Electron density distribution and crystal structure of $\text{Ca}_{1-x/2}\text{AlSi}(\text{N}_{3-x}\text{O}_x):\text{Eu}^{2+}$ ($x \sim 0.11$). <i>Powder Diffraction</i> , 2011 , 26, S38-S43	1.8	4
94	Synthesis and structural characterization of $\text{Al}_7\text{C}_3\text{N}_3$ -homeotypic aluminum silicon oxycarbonitride, $(\text{Al}_7\text{Si}_x)(\text{O}_y\text{C}_z\text{N}_6\text{O}_w)$ ($x \sim 1.2$, $y \sim 1.0$ and $z \sim 3.5$). <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2278-2284	3.3	6
93	Morphology of $\text{Hf-Ca}_2\text{SiO}_4$ Solid Solution Crystals. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 353-355	3.8	2
92	Electron density distribution and crystal structure of lithium strontium silicate, $\text{Li}_2\text{SrSiO}_4$. <i>Powder Diffraction</i> , 2010 , 25, 4-8	1.8	11
91	Crystal structure of silver metagermanate, Ag_2GeO_3 . <i>Powder Diffraction</i> , 2010 , 25, 15-18	1.8	1
90	Electron density distribution and crystal structure of lithium barium silicate, $\text{Li}_2\text{BaSiO}_4$. <i>Powder Diffraction</i> , 2010 , 25, 336-341	1.8	2
89	Synthesis and structural characterization of a new aluminum oxycarbonitride, $\text{Al}_5(\text{O}, \text{C}, \text{N})_4$. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2570-2575	3.3	11
88	Synthesis and structural characterization of Al_4SiC_4 -homeotypic aluminum silicon oxycarbide, $[\text{Al}_{4.4}\text{Si}_{0.6}][\text{O}_{1.0}\text{C}_{2.0}]\text{C}$. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 636-642	3.3	11
87	Synthesis and structural characterization of $\text{Al}_4\text{Si}_2\text{C}_5$ -homeotypic aluminum silicon oxycarbide, $(\text{Al}_6\text{Si}_x)(\text{O}_y\text{C}_5\text{O})$ ($x \sim 0.8$ and $y \sim 1.6$). <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2183-2189	3.3	10
86	Effect of Mg substitution on crystal structure and oxide-ion conductivity of apatite-type lanthanum silicates. <i>Solid State Ionics</i> , 2010 , 181, 1024-1032	3.3	21
85	Melt differentiation and crystallization of clinker minerals in a $\text{CaO}(\text{BiO}_2)\text{Al}_2\text{O}_3\text{Fe}_2\text{O}_3$ pseudoquaternary system. <i>Cement and Concrete Research</i> , 2010 , 40, 167-170	10.3	6
84	$[\text{Zr}_{0.72}\text{Y}_{0.28}]\text{Al}_4\text{C}_4$: A new member of the homologous series $(\text{MC})_l(\text{T}_4\text{C}_3)_m$ ($\text{M}=\text{Zr}, \text{Y}$ and Hf , $\text{T}=\text{Al}, \text{Si}$ and Ge). <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1619-1623	3.3	4

83	First discovery and structural characterization of a new compound in AlSiO_4 system. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 2252-2260	3.3	13
82	Diffusion Path and Conduction Mechanism of Oxide Ions in Apatite-Type Lanthanum Silicates. <i>Chemistry of Materials</i> , 2009 , 21, 2508-2517	9.6	96
81	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	6
80	Reinvestigation of crystal structure and structural disorder of $\text{Ba}_3\text{MgSi}_2\text{O}_8$. <i>Powder Diffraction</i> , 2009 , 24, 180-184	1.8	6
79	Syntheses and crystal structures of Ge-bearing layered carbides $\text{Zr}_2\text{Al}_4\text{C}_5$ and $\text{Zr}_3\text{Al}_4\text{C}_6$. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 22-26	1	4
78	Detoxification of industrial asbestos waste by low-temperature heating in a vacuum. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 242-246	1	9
77	Crystal structure of $\text{Ca}_{12}\text{Al}_{14}\text{O}_{32}\text{Cl}_2$ and luminescence properties of $\text{Ca}_{12}\text{Al}_{14}\text{O}_{32}\text{Cl}_2:\text{Eu}^{2+}$. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 51-55	3.3	25
76	Syntheses, crystal structures and Si solubilities of new layered carbides $\text{Zr}_2\text{Al}_4\text{C}_5$ and $\text{Zr}_3\text{Al}_4\text{C}_6$. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2864-2868	3.3	40
75	Electronic and crystal structures of nanolaminate yttrium aluminum carbide YAl_3C_3 . <i>Chemical Physics Letters</i> , 2008 , 451, 48-52	2.5	11
74	Synthesis and Crystal Structure of a New Layered Carbide $[\text{Zr}_{1.97}\text{Y}_{0.03}]\text{Al}_4\text{C}_5$. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1342-1345	3.8	8
73	Synthesis and Crystal Structure of a New Layered Carbide ZrAl_4C_4 . <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2713-2715	3.8	20
72	Synthesis and Crystal Structure of a New Layered Carbide ZrAl_8C_7 . <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3758-3761	3.8	10
71	Lanthanum- and Oxygen-Deficient Crystal Structures of Oxide-Ion Conducting Apatite-Type Silicates. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3714-3720	3.8	16
70	Melt Differentiation Induced by Crystallization of Cement Clinker Minerals in a $\text{CaO}-\text{SiO}_2-\text{Al}_2\text{O}_3-\text{Fe}_2\text{O}_3$ Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 4093-4100	3.8	4
69	Crystal Structure, Structural Disorder, and Hydration Behavior of Calcium Zirconium Aluminate, $\text{Ca}_7\text{ZrAl}_6\text{O}_{18}$. <i>Chemistry of Materials</i> , 2007 , 19, 3726-3731	9.6	17
68	Structural change of oxide-ion-conducting lanthanum silicate on heating from 295 to 1073[K]. <i>Solid State Ionics</i> , 2007 , 178, 1523-1529	3.3	37
67	Synthesis, crystal structure and thermoelectric properties of a new carbide $\text{Zr}_2[\text{Al}_{3.56}\text{Si}_{0.44}]\text{C}_5$. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1809-1815	3.3	39
66	Structural Disorder and Intracrystalline Microtexture of $\text{Ba}_{0.24}\text{Ca}_{0.76}\text{SiO}_4$. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 925-931	3.8	2

65	Crystal Structure and Thermoelectric Properties of YAl_3C_3 . <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3299-3302	3.8	20
64	Synthesis, crystal structure, and thermoelectric properties of a new layered carbide $(ZrC)_3[Al_{3.56}Si_{0.44}]C_3$. <i>Journal of Materials Research</i> , 2007 , 22, 2888-2894	2.5	34
63	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		5
62	Detoxification of Sprayed Amosite. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 562-566	1	2
61	Crystal structure and phase transformations of calcium yttrium orthophosphate, $Ca_3Y(PO_4)_3$. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3420-3428	3.3	17
60	Crystal structure of lanthanum oxyorthosilicate, La_2SiO_5 . <i>Powder Diffraction</i> , 2006 , 21, 300-303	1.8	29
59	Structural Chemistry of Alkaline Earth Aluminate Phosphors. <i>Advanced Materials Research</i> , 2006 , 11-12, 43-46	0.5	1
58	Detoxification of Sprayed Crocidolite. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 1150-1154		4
57	Fabrication and Cathode Luminescence of Partially MgO-Substituted ZnO Powders. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 620-623		2
56	Crystal structure of calcium cobalt orthophosphate, $CaCo[Ca_{0.1}Co_{0.9}](PO_4)_2$. <i>Powder Diffraction</i> , 2006 , 21, 220-224	1.8	
55	Evaluation of Heated Chrysotile Using Phase-Contrast Microscope. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 716-718		7
54	Crystal structures and phase transitions of $SrZr(PO_4)_2BaZr(PO_4)_2$ solid solutions. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3870-3876	3.3	9
53	Fabrication and Mechanical Properties of Sintered Leucite Body. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 488-490		9
52	Comminution of Asbestos by a Mechanical Grinding in Asbestos-Containing Cement Board. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 804-807		10
51	Crystal structure of hexagonal $SrAl_2O_4$ at 1073 K. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2709-2714	3.3	50
50	Structural disorder in $Ba_{0.6}Sr_{0.4}Al_2O_4$. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3662-3666	3.3	17
49	Structure Change in Strontium Oxide-Doped Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , 2005 , 79, 2577-2581	3.8	12
48	Anisotropic Thermal Expansion of Ca_2SiO_4 Monoclinic Crystal. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1595-1598	3.8	9

47	Effect of Crystal Grain Size and Thermal Stress on Martensitic Transformation of Phosphorus-Bearing Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2729-2731	3.8	8
46	Melt Differentiation Induced by Zonal Structure Formation of Calcium Aluminoferrite in a $\text{CaO} \cdot \text{SiO}_2 \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$ Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 954-962	3.8	5
45	Thermal Expansion of SrY_2O_4 . <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3205-3206	3.8	8
44	Crystal Structure of $\text{Zr}_2\text{Al}_3\text{C}_4$. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3528-3530	3.8	42
43	Crystal structure, phase transition and anisotropic thermal expansion of barium zirconium diorthophosphate, $\text{BaZr}(\text{PO}_4)_2$. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2144-2151	3.3	27
42	Highly Reactive Remelted Belite. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 637-640	3.8	8
41	Improvement in Reactivity and Grindability of Belite-Rich Cement by Remelting Reaction. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 2177-2180	3.8	20
40	Surface Relief Induced by Martensitic Transformation in Phosphorus-Bearing Dicalcium Silicate. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2097-2099	3.8	2
39	Determination of the Pcmn/Ibm_2 Phase Boundary at High Temperatures in the System $\text{Ca}_2\text{Fe}_2\text{O}_5$ - $\text{Ca}_2\text{Al}_2\text{O}_5$. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1300-1302	3.8	18
38	Effect of Substituent Ions on Martensitic Transformation Temperatures in Dicalcium Silicate Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1804-1806	3.8	2
37	Thermal Expansion of Yttrium Disilicate. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 89-92	3.8	26
36	Crystal structure and phase transitions of strontium zirconium diorthophosphate, $\text{SrZr}(\text{PO}_4)_2$. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3514-3521	3.3	15
35	Chemical zoning of calcium aluminoferrite formed during melt crystallization in $\text{CaO} \cdot \text{SiO}_2 \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$ pseudoquaternary system. <i>Cement and Concrete Research</i> , 2004 , 34, 1535-1540	10.3	6
34	Powder X-ray diffraction data of a new calcium zirconium phosphate $\text{Ca}_7\text{Zr}(\text{PO}_4)_6$. <i>Powder Diffraction</i> , 2004 , 19, 385-387	1.8	5
33	Synthesis of Leucite Crystals Using Potash Feldspar. <i>Journal of the Ceramic Society of Japan</i> , 2004 , 112, 242-244		2
32	Cationic substitution in tricalcium aluminate. <i>Cement and Concrete Research</i> , 2003 , 33, 1771-1775	10.3	19
31	Substitution of Sodium and Silicon in Tricalcium Aluminate. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 112-114	3.8	8
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16	Thermal Hysteresis for the β - γ Transformations in Strontium Oxide-Doped Dicalcium Silicates. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2969-2970	3.8	22
15	Thermoelastic Behavior in Ca_2SiO_4 Solid Solutions. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2925-2928	3.8	19
14	Phase Stability Study on the Remelting Reaction in Ca_2SiO_4 Solid Solutions. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 3387-3389	3.8	11
13	Kinetics of Remelting Reaction in Ca_2SiO_4 Solid Solutions. <i>Journal of the Ceramic Society of Japan</i> , 1995 , 103, 444-448		11
12	Effect of Al/Fe Ratio in Belite on the Microtexture Induced by the Remelting Reaction. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 3027-3029	3.8	16

11	Structure and Microtexture Changes in Phosphorous-Bearing Ca ₂ SiO ₄ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2615-2619	3.8	14
10	Orientation of coherent interphase boundaries formed by the β_0 \rightarrow β_1 phase transition in belite crystals. <i>Cement and Concrete Research</i> , 1993 , 23, 599-602	10.3	26
9	Microtextures Formed by the Remelting Reaction in Belite Crystals. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 2942-2944	3.8	19
8	Kinetics of the β_0 \rightarrow β_1 Polymorphic Phase Transition of Ca ₂ SiO ₄ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1821-1824	3.8	14
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6	Effect of MgO and SO ₃ on the Impurity Concentration in Alite in Portland Cement Clinker. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 3163-3165	3.8	15
5	Remelting Reaction within Belite Crystals during Cooling. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2896-2898	3.8	25
4	Impurity Distribution During Crystal Growth of Alite in Portland Cement Clinker. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2082-2085	3.8	9
3	Transitional Phase of Ca ₂ SiO ₄ Solid Solution with Incommensurate Superstructure. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 2204-2207	3.8	13
2	Octahedral Tilting and Modulation Structure in Perovskite-Related Compound La 1/3 NbO ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2100561	1.3	
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