

# Katsumi K Yoshida

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of $\beta$ -tricalcium phosphate co-doped with monovalent and divalent antibacterial metal ions. <i>Acta Biomaterialia</i> , 2009, 5, 3157-3164.	8.3	118
2	Substitution Model of Monovalent (Li, Na, and K), Divalent (Mg), and Trivalent (Al) Metal Ions for $\beta$ -Tricalcium Phosphate. <i>Journal of the American Ceramic Society</i> , 2006, 89, 688-690.	3.8	92
3	Thermal stability of $\beta$ -tricalcium phosphate doped with monovalent metal ions. <i>Materials Research Bulletin</i> , 2009, 44, 1889-1894.	5.2	81
4	Development of silicon carbide fiber-reinforced silicon carbide matrix composites with high performance based on interfacial and microstructure control. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 82-90.	1.1	52
5	Improvement of the mechanical properties of hot-pressed silicon-carbide-fiber-reinforced silicon carbide composites by polycarbosilane impregnation. <i>Composites Science and Technology</i> , 2001, 61, 1323-1329.	7.8	48
6	Estimation of neutron-irradiation-induced defect in $3C\beta$ -SiC from change in XRD peak shift and DFT study. <i>Journal of Nuclear Materials</i> , 2011, 417, 430-434.	2.7	47
7	Hydroxyapatite-doped zirconia for preparation of biomedical composites ceramics. <i>Solid State Ionics</i> , 2004, 172, 509-513.	2.7	43
8	Microstructure, mechanical and thermal properties of B <sub>4</sub> C/CNT composites with Al additive. <i>Journal of Nuclear Materials</i> , 2013, 440, 524-529.	2.7	41
9	Fabrication of silicon carbide fiber-reinforced silicon carbide composite by hot-pressing. <i>Fusion Engineering and Design</i> , 1998, 41, 157-163.	1.9	40
10	Fabrication of structure-controlled hydroxyapatite/zirconia composite. <i>Journal of the European Ceramic Society</i> , 2006, 26, 515-518.	5.7	39
11	Processing and microstructure of silicon carbide fiber-reinforced silicon carbide composite by hot-pressing. <i>Journal of Nuclear Materials</i> , 1998, 258-263, 1960-1965.	2.7	38
12	Nitridation enhancing effect of ZrO <sub>2</sub> on silicon powder. <i>Materials Letters</i> , 2008, 62, 3475-3477.	2.6	38
13	Effect of Substitutional Monovalent and Divalent Metal Ions on Mechanical Properties of $\beta$ -Tricalcium Phosphate. <i>Journal of the American Ceramic Society</i> , 2005, 88, 2315-2318.	3.8	37
14	Formation of carbon coating on SiC fiber for two-dimensional SiCf/SiC composites by electrophoretic deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 161, 188-192.	3.5	36
15	Effects of heat-treatment temperature and starting composition on morphology of boron carbide particles synthesized by carbothermal reduction. <i>Ceramics International</i> , 2013, 39, 597-603.	4.8	29
16	Fabrication, characterization, and fluorine-plasma exposure behavior of dense yttrium oxyfluoride ceramics. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 06HC02.	1.5	29
17	Fabrication of pressureless sintered dense $\beta$ -SiAlON via a reaction-bonding route with ZrO <sub>2</sub> addition. <i>Ceramics International</i> , 2009, 35, 1927-1932.	4.8	28
18	Dissolution mechanisms of $\beta$ -tricalcium phosphate doped with monovalent metal ions. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 451-457.	1.1	25

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19	Fabrication and properties of Si <sup>δ</sup> -Hf alloy melt-infiltrated Tyranno ZMI fiber/SiC-based matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 66, 155-162.	7.6	24
20	Microstructure and mechanical properties of silicon carbide fiber-reinforced silicon carbide composite fabricated by electrophoretic deposition and hot-pressing. <i>Journal of Nuclear Materials</i> , 2009, 386-388, 643-646.	2.7	23
21	Interfacial control of uni-directional SiCf/SiC composites based on electrophoretic deposition and their mechanical properties. <i>Composites Science and Technology</i> , 2012, 72, 1665-1670.	7.8	23
22	Characterization of B <sub>4</sub> C-SiC ceramic composites prepared by ultra-high pressure sintering. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4755-4760.	5.7	23
23	Simple approach to fabricate SiC-SiO <sub>2</sub> composite nanowires and their oxidation resistance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 173, 117-121.	3.5	22
24	Synthesis and characterization of nanometric yttrium-doped hafnia solid solutions. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1971-1976.	5.7	22
25	Neutron Irradiation Swelling of SiC and SiCf/SiC for Advanced Nuclear Applications. <i>Energy Procedia</i> , 2015, 71, 328-336.	1.8	22
26	Room and high-temperature mechanical and thermal properties of SiC fiber-reinforced SiC composite sintered under pressure. <i>Journal of Nuclear Materials</i> , 2000, 283-287, 560-564.	2.7	21
27	Microstructure of heavily neutron-irradiated SiC after annealing up to 1500°C. <i>Journal of Nuclear Materials</i> , 2009, 386-388, 333-337.	2.7	21
28	Uniformly Porous MgTi <sub>2</sub> O <sub>5</sub> with Narrow Pore Size Distribution: XAFS Study, Improved In Situ Synthesis, and New In Situ Surface Coating. <i>Advanced Engineering Materials</i> , 2012, 14, 1134-1138.	3.5	21
29	Fabrication of dense yttrium oxyfluoride ceramics by hot pressing and their mechanical, thermal, and electrical properties. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 06JF04.	1.5	21
30	Influence of zirconia addition on reaction bonded silicon nitride produced from various silicon particle sizes. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 688-693.	1.1	19
31	In Situ Formation of Silicon Carbide Nanofibers on Cordierite Substrates. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1603-1606.	3.8	18
32	Synthesis of .BETA.-SiC/SiO <sub>2</sub> core-shell nanowires by simple thermal evaporation. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 194-197.	1.1	18
33	Synthesis of precursor for fibrous mullite powder by alkoxide hydrolysis method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 173, 66-71.	3.5	18
34	Microstructure design and control for improvement of thermal conductivity of SiCf/SiC composites. <i>Journal of Nuclear Materials</i> , 2013, 440, 539-545.	2.7	18
35	Fluorine and oxygen plasma exposure behavior of yttrium oxyfluoride ceramics. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SEEC01.	1.5	18
36	Room- and High-Temperature Thermal Conductivity of Silicon Carbide Fiber-Reinforced Silicon Carbide Composites with Oxide Sintering Additives.. <i>Journal of the Ceramic Society of Japan</i> , 2001, 109, 863-867.	1.3	15

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37	Influence of Fiber Volume Fraction on the Mechanical and Thermal Properties of Unidirectionally Aligned Short-Fiber-Reinforced SiC Composites.. Journal of the Ceramic Society of Japan, 2002, 110, 985-989.	1.3	15
38	In-situ immobilization of Sr radioactive isotope using nanocrystalline hydroxyapatite. Ceramics International, 2018, 44, 1771-1777.	4.8	15
39	Synthesis, characterization and sintering of Gd <sub>2</sub> Hf <sub>2</sub> O <sub>7</sub> powders synthesized by solid state displacement reaction at low temperature. Ceramics International, 2018, 44, 16972-16976.	4.8	15
40	Fabrication of Two Dimensional Silicon Carbide Fiber-Reinforced Silicon Carbide Composite by Electrophoretic Deposition and Hot-Pressing. Key Engineering Materials, 2007, 352, 77-80.	0.4	14
41	Reaction sintering of $\hat{1}^2$ -tricalcium phosphates and their mechanical properties. Journal of the European Ceramic Society, 2007, 27, 3215-3220.	5.7	14
42	First-principles investigation of neutron-irradiation-induced point defects in B <sub>4</sub> C, a neutron absorber for sodium-cooled fast nuclear reactors. Japanese Journal of Applied Physics, 2018, 57, 055801.	1.5	14
43	Room- and Elevated-Temperature Mechanical Properties of SiC Fiber-Reinforced SiC Composite Fabricated by CVI and PIP Methods.. Journal of the Ceramic Society of Japan, 2000, 108, 224-229.	1.3	13
44	Recovery behavior of neutron-irradiation-induced point defects of high-purity $\hat{1}^2$ -SiC. Journal of Nuclear Materials, 2014, 455, 445-449.	2.7	13
45	Recovery behavior of high purity cubic SiC polycrystals by post-irradiation annealing up to 1673ÅK after low temperature neutron irradiation. Journal of Nuclear Materials, 2015, 465, 814-819.	2.7	13
46	Fabrication and bending behavior of amorphous SiC-fiber-reinforced Si-Co eutectic alloy composites at elevated temperatures. Composites Part B: Engineering, 2019, 164, 769-777.	12.0	13
47	Influence of raw powder size, reaction temperature, and soaking time on synthesis of SiC/SiO <sub>2</sub> coaxial nanowires via thermal evaporation. Journal of the Ceramic Society of Japan, 2009, 117, 439-444.	1.1	12
48	TEM analysis of nanocrystalline SiC ceramics sintered by SPS using Al <sub>2</sub> O <sub>3</sub> –TiO <sub>2</sub> additive. Journal of Asian Ceramic Societies, 2013, 1, 267-273.	2.3	12
49	Effect of Al <sub>2</sub> O <sub>3</sub> addition on texturing in a rotating strong magnetic field and densification of B <sub>4</sub> C. Ceramics International, 2019, 45, 18222-18228.	4.8	12
50	Preparation of Beta- $\hat{1}$ -tricalcium Phosphate Powder Substituted with Na/Mg Ions by Polymerized Complex Method. Journal of the American Ceramic Society, 2010, 93, 3663-3670.	3.8	11
51	Recovery behavior of point defects after low-dose neutron irradiation of sintered SiC by thermal diffusivity and swelling measurements. Journal of Nuclear Materials, 2011, 417, 425-429.	2.7	11
52	Effects of trace amount of nanometric SiC additives with wire or particle shapes on the mechanical and thermal properties of alumina matrix composites. Journal of Materials Science, 2013, 48, 7022-7027.	3.7	11
53	Recovery behavior of neutron-induced damage of AlN irradiated at higher temperatures by thermal annealing. Journal of Nuclear Materials, 2013, 440, 495-499.	2.7	11
54	Recovery behavior of point defects after low-dose neutron irradiation at $\hat{1}^4$ 423K of sintered 6H- $\hat{1}$ -SiC by lattice parameter and macroscopic length measurements. Journal of Nuclear Materials, 2013, 442, S399-S403.	2.7	11

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55	Mechanical properties of unidirectional and crossply SiCf/SiC composites using SiC fibers with carbon interphase formed by electrophoretic deposition process. <i>Progress in Nuclear Energy</i> , 2015, 82, 148-152.	2.9	11
56	Oxidation behavior of monolithic HfSi <sub>2</sub> and SiC fiber-reinforced composites fabricated by melt infiltration using Si-8.5 at%Hf alloy at 800-1200°C in dry air. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 27-33.	1.1	11
57	Synthesis and characterization of pyrochlore lanthanide (Pr, Sm) zirconate ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2652-2657.	5.7	11
58	Nitridation behaviour of ZrO <sub>2</sub> added silicon powder with different ZrO <sub>2</sub> particle sizes. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 157-161.	1.1	10
59	Helium bubbles and trace of lithium in B <sub>4</sub> C control rod pellets used in JOYO experimental fast reactor. <i>Journal of Nuclear Science and Technology</i> , 2018, 55, 640-648.	1.3	10
60	Physical property changes of neutron-irradiated aluminum nitride and their recovery behavior by annealing using a step-heating dilatometer. <i>Nuclear Materials and Energy</i> , 2018, 16, 24-28.	1.3	10
61	Synthesis and characterization of nanometric strontium-doped ceria solid solutions via glycine-nitrate procedure. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 69-73.	1.1	9
62	Plasma-resistance evaluation of yttrium oxyfluoride coating prepared by aerosol deposition method. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 375-382.	2.1	9
63	Reaction sintering of two-dimensional silicon carbide fiber-reinforced silicon carbide composite by sheet stacking method. <i>Journal of Nuclear Materials</i> , 2007, 367-370, 769-773.	2.7	8
64	Neutron-irradiation-induced crystalline defects in $\beta$ -silicon nitride and their thermal stability. <i>Journal of Nuclear Materials</i> , 2011, 417, 972-975.	2.7	8
65	Analysis of recovery process of low-dose neutron irradiation-induced defects in silicon nitride-based ceramics by thermal annealing. <i>Journal of Nuclear Materials</i> , 2014, 455, 464-469.	2.7	8
66	Investigation of kinetic recovery process in low dose neutron-irradiated nuclear graphite by thermal annealing. <i>Journal of Nuclear Science and Technology</i> , 2019, 56, 533-540.	1.3	8
67	Oxidation mechanisms of SiC-fiber-reinforced Si eutectic alloy matrix composites at elevated temperatures. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6309-6321.	3.8	8
68	Synthesis and characterization of monophasic CaO-TiO <sub>2</sub> -SiO <sub>2</sub> (sphenes) based glass-ceramics. <i>Science of Sintering</i> , 2020, 52, 41-52.	1.4	8
69	Antimicrobial Properties and Synthesis of Tricalcium Phosphate Doped with Alkali Metal and Silver Ions. <i>Phosphorus Research Bulletin</i> , 2002, 13, 123-126.	0.6	7
70	Low temperature liquid-phase-assisted sintering of Si <sub>3</sub> N <sub>4</sub> ceramics as an inert matrix for confinement of minor actinides. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 9, 012024.	0.6	7
71	Neutron Irradiation Effects of Oxide Sintering Additives for SiCf/SiC Composites. <i>Energy Procedia</i> , 2015, 71, 306-312.	1.8	7
72	Possibility of Application of Solid Oxide Electrolysis Cell on a Smart Iron-making Process Based on an Active Carbon Recycling Energy System. <i>ISIJ International</i> , 2015, 55, 387-391.	1.4	7

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73	Synthesis, characterization and sintering of fluorite and pyrochlore-type compounds: Pr <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> , Sm <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> and PrSmZr <sub>2</sub> O <sub>7</sub> . <i>Materials Today: Proceedings</i> , 2019, 16, 156-162.	1.8	7
74	Microstructure and plasma corrosion behavior of yttria coatings prepared by the aerosol deposition method. <i>Journal of the American Ceramic Society</i> , 2020, 103, 7031-7040.	3.8	7
75	EFFECT OF HYDROXYAPATITE DOPANT TO YTTRIA STABILIZED ZIRCONIA CERAMICS FOR BIOMEDICAL APPLICATION. <i>Phosphorus Research Bulletin</i> , 2003, 16, 75-82.	0.6	6
76	Effects of neutron irradiation on polymorphs of silicon nitride and SiAlON ceramics. <i>Journal of Nuclear Materials</i> , 2013, 442, S394-S398.	2.7	6
77	Exhaust gas analysis and formation mechanism of SiC nanowires synthesized by thermal evaporation method. <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 235-240.	2.3	6
78	Electric field effect on texture formation of mullite in spark plasma sintered SiC with Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> additive. <i>Scripta Materialia</i> , 2015, 100, 51-54.	5.2	6
79	Acid leaching of natural chrysotile asbestos to mesoporous silica fibers. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 343-351.	0.8	6
80	Enhancement of Hydrophilic Properties of Alumina-Based Ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 347-350.	1.3	5
81	Changes in Microstructure and Properties of ZnO-Added Al <sub>2</sub> O <sub>3</sub> upon Sliding. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 599-602.	1.3	5
82	High-temperature neutron irradiation effects on CVD-diamond, silicon and silicon carbide. <i>Journal of Nuclear Materials</i> , 2009, 386-388, 1018-1022.	2.7	5
83	Recovery behavior of neutron irradiated $\hat{1}\pm$ - and $\hat{1}^2$ -SiAlON ceramics by thermal annealing up to 1473 K. <i>Journal of Nuclear Materials</i> , 2013, 437, 235-239.	2.7	5
84	Effects of addition of seed grains on morphology and yield of boron carbide powder synthesized by carbothermal reduction. <i>Ceramics International</i> , 2013, 39, 3849-3856.	4.8	5
85	Interface Formation of Unidirectional SiC<sub>f</sub>/SiC Composites by Electrophoretic Deposition Method. <i>Key Engineering Materials</i> , 0, 617, 213-216.	0.4	5
86	Fabrication of Carbon Nanotube Reinforced Boron Carbide Composite by Hot-Pressing Following Extrusion Molding. <i>Key Engineering Materials</i> , 0, 616, 27-31.	0.4	5
87	Surface modification of graphite powder with lanthanum ultraphosphate by chemical process and its oxidation resistance. <i>Advanced Powder Technology</i> , 2015, 26, 901-906.	4.1	5
88	Defects annihilation behavior of neutron-irradiated SiC ceramics densified by liquid-phase-assisted method after post-irradiation annealing. <i>Nuclear Materials and Energy</i> , 2016, 9, 199-206.	1.3	5
89	Precision dilatometer analysis of neutron-irradiated nuclear graphite recovery process up to 1673 K. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 424-431.	1.3	5
90	Synthesis and characterization of nanometric gadolinia powders by room temperature solid-state displacement reaction and low temperature calcination. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2843-2848.	5.7	5

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91	Recovery behavior of neutron-irradiated aluminum nitride with and without containing interstitial dislocation loops. Journal of Nuclear Materials, 2021, 543, 152584.	2.7	5
92	Investigation of fluoride layer of yttria coatings prepared by aerosol deposition method. Journal of the Ceramic Society of Japan, 2021, 129, 46-53.	1.1	5
93	Recovery of neutron-irradiation-induced defects of $Al_2O_3$ , $Y_2O_3$ , and yttrium-aluminum garnet. Journal of Nuclear Science and Technology, 2017, 54, 891-898.	1.3	4
94	Recovery behavior of SiC f /SiC composites by post-irradiation annealing up to of 1673 K. Energy Procedia, 2017, 131, 413-419.	1.8	4
95	Fabrication of textured B <sub>4</sub> C ceramics with oriented tubal pores by strong magnetic field-assisted colloidal processing. Journal of the European Ceramic Society, 2021, 41, 2366-2374.	5.7	4
96	Application of Electrophoretic Deposition for Interfacial Control of High-Performance SiC Fiber-Reinforced SiC Matrix (SiCf/SiC) Composites. , 2013, , 533-552.		4
97	The Relationship Between Multiple Scratch Tests and Wear Behavior of Hot-Pressed Silicon Nitride Ceramics with Various Rare-Earth Additive Systems. Journal of the American Ceramic Society, 2007, 91, 071031103425001-???.	3.8	3
98	Immobilization of strontium, cesium and rhenium into .ALPHA.-SiAlON ceramics assisted with co-doping of yttrium. Journal of the Ceramic Society of Japan, 2008, 116, 732-736.	1.1	3
99	Microstructure of low-dose neutron-irradiated Si <sub>3</sub> N <sub>4</sub> and SiAlON ceramics after thermal annealing. Progress in Nuclear Energy, 2015, 82, 142-147.	2.9	3
100	Preparation of textured B <sub>4</sub> C compact with oriented pore-forming agent by slip casting under strong magnetic field. Journal of the Ceramic Society of Japan, 2018, 126, 832-838.	1.1	3
101	Sintering and Mechanical Properties of $\beta$ -Tricalcium Phosphates Doped with Alkali Metal and Alkali Earth Metal Ions. Phosphorus Research Bulletin, 2002, 13, 271-274.	0.6	2
102	Effect of Yb <sub>2</sub> O <sub>3</sub> Addition on Si <sub>3</sub> N <sub>4</sub> -Lu <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Ceramics. Journal of the Ceramic Society of Japan, 2006, 114, 1097-1099.	1.3	2
103	Improvement of Oxidation Resistance of Graphite Powder Treated with Phosphate. Key Engineering Materials, 2007, 352, 133-136.	0.4	2
104	Synthesis and Growth Mechanism of SiC/SiO <sub>2</sub> Core-Shell Nanowires by Thermal Evaporation Method. Key Engineering Materials, 0, 617, 195-198.	0.4	2
105	Fabrication of SiC Fiber-Reinforced SiC Matrix Composites by Low Temperature Melt Infiltration Method Using Si-Hf and Si-Y Alloy. Ceramic Engineering and Science Proceedings, 2014, , 101-111.	0.1	2
106	Effect of CNT addition and its orientation on thermal shock resistance of B <sub>4</sub> C/CNT composites fabricated by hot-pressing. Journal of Asian Ceramic Societies, 2022, 10, 370-377.	2.3	2
107	Effect of Counterbody on Friction and Wear Properties of Copper-MgP-Graphite Composites Prepared by Powder Metallurgy. Processes, 2022, 10, 804.	2.8	2
108	Effect of Interfacial Strength of SiC/SiC Composites Fabricated by Hot-Pressing and Chemical Vapor Infiltration Method on their Mechanical Properties. Fusion Science and Technology, 2001, 39, 607-611.	0.6	1

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109	The Preparation of LiCeMo <sub>2</sub> O <sub>8</sub> for Novel Inorganic Yellow Pigments using Solid-State Reaction Method. Journal of the Japan Society of Colour Material, 2002, 75, 261-266.	0.1	1
110	Low Temperature Sintering of Si <sub>3</sub> N <sub>4</sub> Ceramics and its Applicability as an Inert Matrix of the Transuranium Elements for Transmutation of Minor Actinides. Key Engineering Materials, 2008, 403, 23-26.	0.4	1
111	Recovery of neutron-induced damage of Si analyzed by thermal expansion measurement. Journal of Nuclear Materials, 2009, 386-388, 328-332.	2.7	1
112	Synthesis and characterization of hydroxyapatite using polymerized complex method by chelation of calcium ions with organic phosphonic acid. Journal of the Ceramic Society of Japan, 2009, 117, 249-254.	1.1	1
113	Preparation of $\beta$ -Tricalcium Phosphate by Chelate Reaction of Calcium Ion with Phosphonic Acid. Transactions of the Materials Research Society of Japan, 2009, 34, 81-84.	0.2	1
114	The Effect of Heat-Treatment on Thermal Conductivity of Silicon Nitride Ceramics. Key Engineering Materials, 2011, 484, 52-56.	0.4	1
115	Densification behavior of yttrium oxyfluoride ceramics by rate controlled sintering and their mechanical properties. Japanese Journal of Applied Physics, 2019, 58, SEEG02.	1.5	1
116	Flexural strength of alumina-strengthened porcelain with both small water absorption and small pyroplastic deformation. Journal of the Ceramic Society of Japan, 2021, 129, 195-199.	1.1	1
117	MECHANICAL PROPERTIES OF $\beta$ -TRICALCIUM PHOSPHATE CERAMICS DOPED WITH VANADATE IONS. Phosphorus Research Bulletin, 2010, 24, 73-78.	0.6	1
118	Corrosion behavior of yttrium oxyfluoride ceramics in HCl, HNO <sub>3</sub> and HF solutions at room temperature. Japanese Journal of Applied Physics, 2020, 59, SJJB02.	1.5	1
119	Application of Electrophoretic Deposition for Interfacial Control of High-Performance SiC Fiber-Reinforced SiC Matrix (SiCf/SiC) Composites. , 0, , 1448-1463.		1
120	Luminescence Property and Energy Transfer from Sm <sup>3+</sup> ion to Eu <sup>3+</sup> ion in LiEu <sub>x</sub> Sm <sub>(1-x)</sub> W <sub>2</sub> O <sub>8</sub> solid solution. Journal of the Japan Society of Colour Material, 2004, 77, 163-168.	0.1	0
121	Formation of Polymer-Derived Ceramic Film on Rough-Ground Silicon Nitride Surface. Journal of the Ceramic Society of Japan, 2005, 113, 383-385.	1.3	0
122	Mechanical and Thermal Properties of Hot-Pressed SiC/SiC Composites Using SiC Matrix Containing Coarse SiC Grains. , 2006, , 388-393.		0
123	Fabrication and Wettability Test of Silicon Nitrides with Ordered Protrusions. Solid State Phenomena, 2007, 127, 173-178.	0.3	0
124	Expansion of Silicon Nitride-Boron Nitride Composite by Reaction Bonding. Journal of the Ceramic Society of Japan, 2007, 115, 147-150.	1.3	0
125	Effect of Calcium Compounds in Lubrication Oil on the Frictional Properties of Fe <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Ceramics under Boundary Lubricating Conditions. Journal of the Ceramic Society of Japan, 2007, 115, 32-36.	1.3	0
126	Fabrication and characterization of silicon nitride-based inert matrix fuels sintered with magnesium silicates. Progress in Nuclear Energy, 2011, 53, 1078-1081.	2.9	0



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127	Sintering of Silicon Carbide Ceramics with Co-Addition of Gadolinium Oxide and Silica and their Mechanical Properties. Key Engineering Materials, 0, 484, 117-123.	0.4	0
128	First-principles study on the helium migration energies in B12X2 (X=O, Si, P, As) crystals for neutron absorber use. Journal of Asian Ceramic Societies, 2018, 6, 139-144.	2.3	0
129	Radiation damage analysis in SiC microstructure by transmission electron microscopy. Nuclear Engineering and Technology, 2021, , .	2.3	0
130	PROLIFERATION AND DIFFERENTIATION OF OSTEOBLAST-LIKE CELLS ON $\beta$ -TRICALCIUM PHOSPHATE DOPED WITH MANGANESE (II) IONS. Phosphorus Research Bulletin, 2012, 26, 87-90.	0.6	0
131	416 The mechanical properties of SiC <sub>f</sub> /SiC composites fabricated by advanced melt infiltration method.. The Proceedings of the Materials and Processing Conference, 2013, 2013.21, _416-1_ _416-5_.	0.0	0
132	Characterization of Thermal Shock Fracture Behavior of Ceramics with Different Stress Ratio. The Proceedings of the Materials and Processing Conference, 2016, 2016.24, 425.	0.0	0
133	Formation of Nano-scale Coating on Micro-scale Substrate by EPD Method. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2020, 27, 126-132.	0.0	0