Toshiyuki Nishimura

List of Publications by Year
in descending order

194 papers	5,088 citations	66343 42 h-index	114465 63 g-index
209 all docs	209 docs citations	209 times ranked	3221 citing authors

#	Article	IF	Citations
1	Deformationâ€resistant Ta_{0.2}Hf_{0.8}C solidâ€solution ceramic with superior flexural strength at 2000Â°C. Journal of the American Ceramic Society, 2022, 105, 512-524.	3.8	8
2	Corrigendum to â€œSynthesis of bulk silicon oxynitride glass through nitridation of SiO₂ aerogels and determination of Tgâ€. Journal of the American Ceramic Society, 2022, 105, 757-757.	3.8	0
3	Chemothermal pulverization: Crushing titanate crystals to obtain nanosized powders via highâ€temperature treatment. Journal of the American Ceramic Society, 2022, 105, 1913-1927.	3.8	1
4	A modified simple interface fracture test for ceramic environmental barrier coating on ceramic matrix composite. Journal of the Ceramic Society of Japan, 2021, 129, 40-45.	1.1	1
5	Synthesis of bulk silicon oxynitride glass through nitridation of SiO₂ aerogels and determination of T_g. Journal of the American Ceramic Society, 2021, 104, 4420-4432.	3.8	5
6	Combustion synthesis of singleâ€phase Al₄SiC₄ powder with assistance of induction heating. Journal of the American Ceramic Society, 2020, 103, 744-749.	3.8	13
7	Thermal stability of the CoWO4 layer formed on ferritic stainless steel. Corrosion Science, 2020, 176, 109037.	6.6	7
8	Fabrication of dense ZrB2/B4C composites using pulsed electric current pressure sintering and evaluation of their high-temperature bending strength. Ceramics International, 2020, 46, 18478-18486.	4.8	11
9	Mechanical properties of silicon carbideâ€”in situ zirconium carbonitride composites. International Journal of Applied Ceramic Technology, 2019, 16, 1304-1313.	2.1	10
10	Fracture and property relationships in the double diboride ceramic composites by spark plasma sintering of TiB₂ and NbB₂. Journal of the American Ceramic Society, 2019, 102, 4259-4271.	3.8	15
11	Uniform and fine Mg-î³-AlON powders prepared from MgAl2O4: A promising precursor material for highly-transparent Mg-î³-AlON ceramics. Journal of the European Ceramic Society, 2019, 39, 928-933.	5.7	10
12	Enhanced high-temperature strength of HfB2â€“SiC composite up to 1600Â°C. Journal of the European Ceramic Society, 2018, 38, 1152-1157.	5.7	18
13	Phase transformation on spark plasma sintered dense polycarbosilane-derived SiC without additive. Scripta Materialia, 2018, 143, 188-190.	5.2	18
14	A method for testing the interface toughness of ceramic environmental barrier coatings (EBCs) on ceramic matrix composites (CMCs). Journal of the European Ceramic Society, 2018, 38, 655-663.	5.7	19
15	Fabrication and Mechanical Properties of Textured Ti₃SiC₂ Systems Using Commercial Powder. Materials Transactions, 2018, 59, 829-834.	1.2	10
16	Synthesis and Sinterability of Hydroxyapatite from Fishery by-products. Journal of the Korean Ceramic Society, 2018, 55, 570-575.	2.3	12
17	High thermal conductivity of spark plasma sintered silicon carbide ceramics with yttria and scandia. Journal of the American Ceramic Society, 2017, 100, 1290-1294.	3.8	52
18	Highâ€temperature strength and plastic deformation behavior of niobium diboride consolidated by spark plasma sintering. Journal of the American Ceramic Society, 2017, 100, 5295-5305.	3.8	22

#	Article	IF	Citations
19	Microstructure and high-temperature strength of silicon carbide with 2000 ppm yttria. Journal of the European Ceramic Society, 2017, 37, 4449-4455.	5.7	34
20	Spark plasma sintering of silicon nitride using nanocomposite particles. Advanced Powder Technology, 2017, 28, 37-42.	4.1	21
21	Fabrication and Mechanical Properties of Textured Ti₃SiC₂ Systems Using Commercial Powders. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 552-557.	0.2	0
22	Microstructural Control and Functional Improvement of Sintered Non-oxide Ceramics. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 47.	0.2	0
23	High-temperature strength of a thermally conductive silicon carbide ceramic sintered with yttria and scandia. Journal of the European Ceramic Society, 2016, 36, 3755-3760.	5.7	38
24	CaAlSiN₃:Eu²⁺ translucent ceramic: a promising robust and efficient red color converter for solid state laser displays and lighting. Journal of Materials Chemistry C, 2016, 4, 8197-8205.	5.5	115
25	Mesoporous graphitic carbon microtubes derived from fullerene C₇₀tubes as a high performance electrode material for advanced supercapacitors. Journal of Materials Chemistry A, 2016, 4, 13899-13906.	10.3	81
26	Al₂O₃â€“YAG:Ce composite phosphor ceramic: a thermally robust and efficient color converter for solid state laser lighting. Journal of Materials Chemistry C, 2016, 4, 8648-8654.	5.5	206
27	Conductive SiC ceramics fabricated by spark plasma sintering. Ceramics International, 2016, 42, 17892-17896.	4.8	14
28	Fabrication and Mechanical Properties of Textured Ti₃SiC₂ MAX Phase Systems. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 970-975.	0.2	2
29	Consideration of the formation mechanism of an Al2O3-HfO2 eutectic film on a SiC substrate. Journal of the Korean Physical Society, 2016, 68, 73-76.	0.7	1
30	Surfactant-Triggered Nanoarchitectonics of Fullerene C₆₀ Crystals at a Liquidâ€“Liquid Interface. Langmuir, 2016, 32, 12511-12519.	3.5	46
31	Pulverization of oxide powders utilizing thermal treatment in ammonia-based atmosphere. Journal of the European Ceramic Society, 2016, 36, 4083-4088.	5.7	4
32	Effect of sintering atmosphere on the grain growth and hardness of SiC/polysilazane ceramic composites. Advances in Applied Ceramics, 2016, 115, 272-275.	1.1	8
33	High-strength TiB 2 â€“TaC ceramic composites prepared using reactive spark plasma consolidation. Ceramics International, 2016, 42, 1298-1306.	4.8	48
34	Nano ZrO₂–TiN composites with high strength and conductivity. Journal of the Ceramic Society of Japan, 2015, 123, 86-89.	1.1	6
35	Fabrication of dense B4C/CNF composites having extraordinary high strength and toughness at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 41-49.	5.6	15
36	Densification, microstructure evolution and mechanical properties of WC doped HfB2â€“SiC ceramics. Journal of the European Ceramic Society, 2015, 35, 2707-2714.	5.7	37

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37	Electrical and thermal properties of SiCâ€“AlN ceramics without sintering additives. Journal of the European Ceramic Society, 2015, 35, 2715-2721.	5.7	48
38	Electrical and thermal properties of silicon carbideâ€“boron nitride composites prepared without sintering additives. Journal of the European Ceramic Society, 2015, 35, 4423-4429.	5.7	25
39	Î²-Sialon:Eu phosphor-in-glass: a robust green color converter for high power blue laser lighting. Journal of Materials Chemistry C, 2015, 3, 10761-10766.	5.5	115
40	Grain Boundary Control to Obtain Heat-Resistant Silicon Nitride. NIMS Monographs, 2015, , 35-44.	0.3	0
41	Nanoporous Carbon Tubes from Fullerene Crystals as the Ï€â€Electron Carbon Source. Angewandte Chemie - International Edition, 2015, 54, 951-955.	13.8	116
42	Preparation of Nanosize Silicon-Nitride-Based Ceramics and Their Superplasticity. NIMS Monographs, 2015, , 5-33.	0.3	0
43	Microstructure and high-temperature strength of textured and non-textured ZrB₂ceramics. Science and Technology of Advanced Materials, 2014, 15, 014202.	6.1	43
44	Spark Plasma Sintering. Advances in Applied Ceramics, 2014, 113, 65-66.	1.1	11
45	The origin of the n-type behavior in rare earth borocarbide Y_{1â^'x}B_{28.5}C₄. Dalton Transactions, 2014, 43, 15048-15054.	3.3	26
46	Microstructure and thermoelectric properties of Y x Al y B14 samples fabricated through the spark plasma sintering. Materials for Renewable and Sustainable Energy, 2014, 3, 1.	3.6	11
47	Preparation and electrical properties of Liâ€“Siâ€“Alâ€“Oâ€“N ceramics. Journal of Asian Ceramic Societies, 2013, 1, 191-196.	2.3	0
48	Machinable ZrB2â€“SiCâ€“BN composites fabricated by reactive spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 582, 41-46.	5.6	39
49	Perfect Highâ€Temperature Plasticity Realized in Multiwalled Carbon Nanotubeâ€Concentrated Î±â€<scp><scp>Al</scp></scp>₂<scp><scp>O</scp></scp>₃ Hybrid. Journal of the American Ceramic Society, 2013, 96, 1904-1908.	3.8	14
50	Room and high temperature toughening in directionally solidified B4Câ€“TiB2 eutectic composites by Si doping. Journal of Alloys and Compounds, 2013, 570, 94-99.	5.5	32
51	High temperature strength of silicon carbide sintered with 1 wt.% aluminum nitride and lutetium oxide. Journal of the European Ceramic Society, 2013, 33, 345-350.	5.7	30
52	Recent global trends in structural materials research. Science and Technology of Advanced Materials, 2013, 14, 010301.	6.1	0
53	Electric Current Assisted Sintering of Nitride Nanoceramics. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2013, 60, 424-427.	0.2	1
54	High-Energy Milling of Silicon Nitride Powder. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2013, 60, 420-427.	0.2	0

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55	Tough hybrid ceramic-based material with high strength. Scripta Materialia, 2012, 67, 744-747.	5.2	11
56	Strong <scp><scp>ZrB</scp></scp>₂â€“<scp><scp>SiC</scp></scp>â€“<scp><scp>WC</scp></scp> Ceramics at 1600Â°C. Journal of the American Ceramic Society, 2012, 95, 874-878.	3.8	50
57	Effect of Al4SiC4 additive on the densification of Î²-silicon carbide under vacuum. Journal of the European Ceramic Society, 2012, 32, 619-625.	5.7	15
58	High-temperature bending strength, internal friction and stiffness of ZrB2â€“20vol% SiC ceramics. Journal of the European Ceramic Society, 2012, 32, 2519-2527.	5.7	112
59	220 Pulsed Electric Current Sintering of Nitride Ceramics. The Proceedings of the Materials and Processing Conference, 2012, 2012.20, _220-1_-_220-2_.	0.0	0
60	S042024 Mechanical properties of Aluminum Nitride type Nano Ceramics. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _S042024-1-_S042024-2.	0.0	0
61	High lithium conductivity in Li_{1-2x}Ca_xSi₂N₃. Journal of Materials Research, 2011, 26, 1133-1142.	2.6	9
62	Low-Temperature Hot Pressing of ZrB2-Based Ceramics with ZrSi2 Additives. International Journal of Applied Ceramic Technology, 2011, 8, 1425-1435.	2.1	23
63	Fabrication of Textured Nb₄AlC₃ Ceramic by Slip Casting in a Strong Magnetic Field and Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 410-415.	3.8	80
64	Ultraâ€Lowâ€Temperature Sintering of Nanostructured Î²â€SiC. Journal of the American Ceramic Society, 2011, 94, 324-327.	3.8	14
65	High-hardness B4C textured by a strong magnetic field technique. Scripta Materialia, 2011, 64, 256-259.	5.2	47
66	Shell-like nanolayered Nb4AlC3 ceramic with high strength and toughness. Scripta Materialia, 2011, 64, 765-768.	5.2	77
67	Preparation of zirconium diboride ceramics by reactive spark plasma sintering of zirconium hydrideâ€“boron powders. Scripta Materialia, 2011, 65, 1018-1021.	5.2	41
68	Synthesis of Ca-Î±-SiAlON phosphors by a mechanochemical activation route. Acta Materialia, 2011, 59, 1570-1576.	7.9	40
69	Microstructure and Thermoelectric Properties of Dense YB22C2N Samples Fabricated Through Spark Plasma Sintering. Journal of Electronic Materials, 2011, 40, 682-686.	2.2	11
70	Physical and mechanical properties of highly textured polycrystalline Nb₄AlC₃ceramic. Science and Technology of Advanced Materials, 2011, 12, 044603.	6.1	50
71	Synthesis of SiC nano-powders from liquid carbon and various silica sources. Journal of the Ceramic Society of Japan, 2010, 118, 345-348.	1.1	7
72	Effect of sintering temperature and sintering additives on ionic conductivity of LiSi2N3. Journal of the Ceramic Society of Japan, 2010, 118, 837-841.	1.1	6

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73	Fine-grained AlN ceramics from nanopowder by spark plasma sintering. Journal of the Ceramic Society of Japan, 2010, 118, 1050-1052.	1.1	5
74	Microstructure and properties of ZrB2-SiC and HfB2-SiC composites fabricated by spark plasma sintering (SPS) using TaSi2 as sintering aid. Journal of the Ceramic Society of Japan, 2010, 118, 997-1001.	1.1	31
75	Chemical composition and microstructure of Al3BC3 prepared by different densification methods. Journal of the European Ceramic Society, 2010, 30, 1015-1020.	5.7	22
76	Microstructure and properties of ZrB2â€“SiC composites prepared by spark plasma sintering using TaSi2 as sintering additive. Journal of the European Ceramic Society, 2010, 30, 2625-2631.	5.7	43
77	Thermoelectric properties and spark plasma sintering of doped YB₂₂C₂N. Journal of Materials Research, 2010, 25, 665-669.	2.6	24
78	Investigations of growth kinetics of pulsed laser deposition of tin oxide films by isotope tracer technique. Journal of Applied Physics, 2010, 108, 104901.	2.5	11
79	Synthesis, microstructure and mechanical properties of (Zr,Ti)B2-(Zr,Ti)N composites prepared by spark plasma sintering. Journal of Alloys and Compounds, 2010, 494, 266-270.	5.5	23
80	Effect of Zn doping on improving crystal quality and thermoelectric properties of borosilicides. Dalton Transactions, 2010, 39, 1027-1030.	3.3	34
81	102 Fabrication of Non-oxide Nanoceramics by Spark Plasma Sintering. The Proceedings of the Materials and Processing Conference, 2010, 2010.18, _102-1_-_102-2_.	0.0	0
82	Effect of aluminum nitride-scandia content on the microstructural and mechanical properties of sintered silicon carbide ceramics. Metals and Materials International, 2009, 15, 937-941.	3.4	10
83	Hexagonal Plateâ€like Ternary Carbide Particulates Synthesized by a Carbothermal Reduction Process: Processing Parameters and Synthesis Mechanism. Journal of the American Ceramic Society, 2009, 92, 1030-1035.	3.8	29
84	The Study on Carbon Nanofiber (CNF)â€Dispersed B₄C Composites. International Journal of Applied Ceramic Technology, 2009, 6, 607-616.	2.1	25
85	Mechanical behavior of two-step hot-pressed ZrB2-based composites with ZrSi2. Journal of the European Ceramic Society, 2009, 29, 787-794.	5.7	81
86	A ternary compound additive for vacuum densification of Î²-silicon carbide at low temperature. Journal of the European Ceramic Society, 2009, 29, 3419-3423.	5.7	21
87	Interfacial structure of oxidized inner pores in precursor-derived Siâ€“Câ€“N ceramics. Journal of Non-Crystalline Solids, 2009, 355, 2390-2395.	3.1	3
88	Low temperature thermal expansion, high temperature electrical conductivity, and mechanical properties of Nb4AlC3 ceramic synthesized by spark plasma sintering. Journal of Alloys and Compounds, 2009, 487, 675-681.	5.5	39
89	Mechanical and physical behavior of spark plasma sintered ZrCâ€“ZrB2â€“SiC composites. Journal of the European Ceramic Society, 2008, 28, 1279-1285.	5.7	114
90	Thermal decomposition, densification and mechanical properties of AlNâ€“SiC(â€“TiB2) systems with and without B, B4C and C additives. Journal of the European Ceramic Society, 2008, 28, 1715-1722.	5.7	10

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91	Mechanical properties of hot-pressed ZrB2â€“MoSi2â€“SiC composites. Journal of the European Ceramic Society, 2008, 28, 1891-1898.	5.7	80
92	Elastic properties of spark plasma sintered (SPSed) ZrB2â€“ZrCâ€“SiC composites. Ceramics International, 2008, 34, 1811-1817.	4.8	49
93	Spark Plasma Sintering of Zirconium Diborides. Journal of the American Ceramic Society, 2008, 91, 2848-2855.	3.8	102
94	Pressureless sintering and physical properties of ZrB2-based composites with ZrSi2 additive. Scripta Materialia, 2008, 58, 579-582.	5.2	94
95	Thermoelectric properties of Th3P4-type rare-earth sulfides Ln2S3 (Ln=Gd, Tb) prepared by reaction of their oxides with CS2 gas. Journal of Alloys and Compounds, 2008, 451, 627-631.	5.5	19
96	Influence of Additives on Mechanical Properties in Liquid-Phase Sintered Silicon Carbide Ceramics. Key Engineering Materials, 2008, 403, 185-188.	0.4	1
97	Synthesis of Non-Oxide Ceramic Fine-Powders from Organic Precursors. Key Engineering Materials, 2008, 403, 269-272.	0.4	3
98	Synthesis of Single-Phase, Hexagonal Plate-Like Al₄SiC₄ Powder. Key Engineering Materials, 2008, 403, 159-162.	0.4	0
99	Synthesis of Nano-Sized SiC Powders by Carbothermal Reduction. Key Engineering Materials, 2008, 403, 211-214.	0.4	1
100	Mechanical properties of fully dense yttrium aluminum garnet (YAG) ceramics. Journal of the Ceramic Society of Japan, 2008, 116, 649-652.	1.1	8
101	Synthesis of mono-phase, hexagonal plate-like Al₄SiC₄ powder via a carbothermal reduction process. Journal of the Ceramic Society of Japan, 2008, 116, 717-721.	1.1	14
102	Simultaneously Synthesis and Sintering of Carbon Nanofiber Dispersed B4C Nanocomposites by Pulsed Electric-current Pressure Sintering and their Mechanical Properties. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2008, 55, 582-587.	0.2	0
103	Plastic Deformation of Silicon Nitride Nano-Ceramics. Key Engineering Materials, 2007, 352, 189-192.	0.4	2
104	Microstructure and Mechanical Properties of Heat-Resistant Silicon Carbide Ceramics. Key Engineering Materials, 2007, 336-338, 1409-1413.	0.4	3
105	Superplastic Deformation of Nano-Sized Î±-Sialon Ceramics. Key Engineering Materials, 2007, 336-338, 1001-1004.	0.4	1
106	Low Temperature Sintering of AlN-SiC-TiB₂ System for the Fabrication of Continuous Fiber Reinforced Ceramic Composites (CFCC). Solid State Phenomena, 2007, 124-126, 1075-1078.	0.3	0
107	Simultaneous Synthesis and Consolidation of W-Added ZrB₂ by Pulsed Electric Current Pressure Sintering and their Mechanical Properties. Materials Science Forum, 2007, 561-565, 527-530.	0.3	3
108	Enhancing superplasticity of engineering ceramics by introducing BN nanotubes. Nanotechnology, 2007, 18, 485706.	2.6	96

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109	Doping effect in N-type rare earth boron carbonitrides. , 2007, , .		0
110	High temperature thermoelectric properties of a homologous series of n-type boron icosahedra compounds: A possible counterpart to p-type boron carbide. Journal of Applied Physics, 2007, 101, 093714.	2.5	67
111	Simultaneous Synthesis and Consolidation of W-added ZrB2 by Spark Plasma Sintering (SPS) and their Mechanical Properties. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2007, 54, 601-605.	0.2	0
112	Fabrication and Characterization of Carbon Nanofiber (CNF)-Dispersed SiAlON Ceramics via Spark Plasma Sintering (SPS). Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2007, 54, 606-611.	0.2	1
113	High-temperature strength of silicon carbide ceramics sintered with rare-earth oxide and aluminum nitride. Acta Materialia, 2007, 55, 727-736.	7.9	155
114	Fabrication of a Nano-Si3N4/Nano-C Composite by High-Energy Ball Milling and Spark Plasma Sintering. Journal of the American Ceramic Society, 2007, 90, 1058-1062.	3.8	21
115	Thermal and Electric Properties in Hot-Pressed ZrB2?MoSi2?SiC Composites. Journal of the American Ceramic Society, 2007, 90, 2255-2258.	3.8	49
116	Synthesis and Photoluminescence of Eu2+-Doped ?-Silicon Nitride Nanowires Coated with Thin BN Film. Journal of the American Ceramic Society, 2007, 90, 070922001308004-???.	3.8	8
117	Thermal conductivity in multi-wall carbon nanotube/silica-based nanocomposites. Scripta Materialia, 2007, 56, 265-268.	5.2	104
118	Fabrication of silicon nitride nanoceramicsâ€"Powder preparation and sintering: A review. Science and Technology of Advanced Materials, 2007, 8, 635-643.	6.1	43
119	503 High Temperature Deformation of Silicon Nitride Ceramics. The Proceedings of the Materials and Processing Conference, 2007, 2007.15, 317-318.	0.0	0
120	Aqueous colloidal processing of single-wall carbon nanotubes and their composites with ceramics. Nanotechnology, 2006, 17, 1770-1777.	2.6	96
121	Phase transformation and microstructures of Ln2S3 (Ln = La, Sm) with different impurities content of oxygen and carbon. Journal of Alloys and Compounds, 2006, 408-412, 551-555.	5.5	17
122	Effect of non-stoichiometry on thermoelectric properties of -Tb2S3â^'x. Journal of Alloys and Compounds, 2006, 418, 209-212.	5.5	16
123	High-Temperature Deformation of Si-C-N Monoliths Containing Residual Amorphous Phase Derived from Polyvinylsilazane. Journal of the Ceramic Society of Japan, 2006, 114, 575-579.	1.3	0
124	Texture Development in Si3N4 Ceramics by Magnetic Field Alignment during Slip Casting. Journal of the Ceramic Society of Japan, 2006, 114, 979-987.	1.3	40
125	Precipitation Processing to Synthesize Fine Polycarbosilane Particles for Precursors of Silicon Carbide Powders. Journal of the Ceramic Society of Japan, 2006, 114, 507-510.	1.3	13
126	Microstructure Control in Silicon Nitride Ceramics-A Review. Journal of the Ceramic Society of Japan, 2006, 114, 867-872.	1.3	8

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127	Improving Heat Resistance of Silicon Nitride Ceramics with Rare-Earth Silicon Oxynitride. Journal of the Ceramic Society of Japan, 2006, 114, 880-887.	1.3	12
128	Synthesis of La₂S₃ Thin Films by Sulfurization of LaCl₃ and CS(NH₂)₂. Materials Transactions, 2006, 47, 1436-1439.	1.2	2
129	Effect of Sintering Additives on Superplastic Deformation of Nano-Sized beta-Silicon Nitride Ceramics. Journal of the American Ceramic Society, 2006, 89, 1745-1747.	3.8	8
130	Superplastic deformation of nano-size S3N4 ceramics with different amounts of sintering additives. Scripta Materialia, 2006, 55, 215-217.	5.2	11
131	Low-Temperature Sintering of Î±- and Î²-SiC Powders with AlB₂ Additive. Key Engineering Materials, 2006, 317-318, 23-26.	0.4	4
132	High-Temperature Properties of Silicon Nitride with Lu-Si-O-N Grain Boundary Phases. Key Engineering Materials, 2006, 317-318, 425-428.	0.4	1
133	Bulk Consolidation of Non-Oxide Ceramic Powders Derived from Polymer Precursors. Key Engineering Materials, 2006, 317-318, 15-18.	0.4	1
134	Fabrication of Î±-Sialon Nano-Ceramics. Key Engineering Materials, 2006, 317-318, 629-632.	0.4	4
135	Synthesis of silicon carbide powders from fumed silica powder and phenolic resin. Journal of Materials Research, 2006, 21, 1167-1174.	2.6	19
136	Homologous rare earth boron cluster compounds: a possible n-type counterpart to boron carbide. , 2006, , .		1
137	Enhanced Grain Growth in Porous Materials from .ALPHA.- and .BETA.-SiC Powder Mixtures. Journal of the Ceramic Society of Japan, 2005, 113, 51-54.	1.3	11
138	Hot-pressed Si3N4 ceramics with Lu2O3 additives: Grain-boundary phase and strength. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 408, 9-18.	5.6	15
139	Heat-resistant silicon carbide with aluminum nitride and scandium oxide. Acta Materialia, 2005, 53, 4701-4708.	7.9	72
140	New Strategies for Preparing NanoSized Silicon Nitride Ceramics. Journal of the American Ceramic Society, 2005, 88, 934-937.	3.8	85
141	Synthesis and Characterization of Nano-Hetero-Structured Dy Doped CeO2 Solid Electrolytes Using a Combination of Spark Plasma Sintering and Conventional Sintering. Journal of the American Ceramic Society, 2005, 88, 1981-1984.	3.8	71
142	Tensile Creep Behavior in Lutetia-doped Silicon Nitride Ceramics. Journal of Materials Research, 2005, 20, 2213-2217.	2.6	7
143	Fabrication of Heat-Resistant Silicon Carbide Ceramics by Controlling Intergranular Phase. Key Engineering Materials, 2005, 287, 299-310.	0.4	9
144	Fabrication of Silicon Nitride Nano-Ceramics by High-Energy Mechanical Milling and Spark Plasma Sintering. Key Engineering Materials, 2005, 287, 166-170.	0.4	5

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145	Thermoelectric properties of lanthanum sesquisulfide with Ti additive. Applied Physics Letters, 2005, 87, 042106.	3.3	3
146	Fabrication of Î²-sialon nanoceramics by high-energy mechanical milling and spark plasma sintering. Nanotechnology, 2005, 16, 1569-1573.	2.6	63
147	Preparation of Lutetium Nitride by Direct Nitridation. Journal of Materials Research, 2004, 19, 959-963.	2.6	15
148	Synthesis and Sintering of Cerium(II) Monosulfide. Journal of the American Ceramic Society, 2004, 87, 23-28.	3.8	7
149	Intergranular glassy phase free SiC ceramics retains strength at 1500 Â°C. Scripta Materialia, 2004, 50, 1203-1207.	5.2	35
150	Fracture toughness of hot-pressed Lu2Si2O7â€“Si3N4 and Lu4Si2O7N2â€“Si3N4 ceramics and correlation to microstructure and grain-boundary phases. Ceramics International, 2004, 30, 635-641.	4.8	14
151	Phase transformation from tetragonal-phase to cubic-phase due to addition of titanium in lanthanum sesquisulfide. Journal of Alloys and Compounds, 2004, 374, 116-119.	5.5	14
152	Phase Relationships in the Si3N4â€”SiO2â€”Lu2O3 System.. ChemInform, 2003, 34, no.	0.0	0
153	Hot-pressed silicon nitride ceramics with Lu2O3 additives: elastic moduli and fracture toughness. Journal of the European Ceramic Society, 2003, 23, 537-545.	5.7	52
154	Oxidation behavior of liquid-phase sintered SiC with AlN and Er2O3 additives between 1200ÂÂ°C and 1400ÂÂ°C. Journal of the European Ceramic Society, 2003, 23, 2023-2029.	5.7	46
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156	Nonequiaxial Grain Growth and Polytype Transformation of Sintered Î±â€Silicon Carbide and Î²â€Silicon Carbide. Journal of the American Ceramic Society, 2003, 86, 2222-2224.	3.8	26
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