

Tohru S Suzuki

List of Publications by Year in descending order

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201674

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1683
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation-resistant Ta _{0.2} Hf _{0.8} C solid-solution ceramic with superior flexural strength at 2000°C. Journal of the American Ceramic Society, 2022, 105, 512-524.	3.8	8
2	Fabrication of Textured Porous Ti ₃ SiC ₂ by Slip Casting under High Magnetic Field and Microstructural Evolution through High Temperature Deformation. Materials Transactions, 2022, 63, 133-140.	1.2	3
3	Extended Distribution of Relaxation Time Analysis for Electrochemical Impedance Spectroscopy. Electrochemistry, 2022, 90, 017004-017004.	1.4	9
4	Ultra-high temperature flexure and strain driven amorphization in polycrystalline boron carbide bulks. Scripta Materialia, 2022, 210, 114487.	5.2	3
5	pH-controlled synthesis and spark plasma sintering of fine and homogeneous MgZr ₄ (PO ₄) ₆ powder. Journal of the Ceramic Society of Japan, 2022, 130, 243-248.	1.1	0
6	Effect of CNT addition and its orientation on thermal shock resistance of B ₄ C/CNT composites fabricated by hot-pressing. Journal of Asian Ceramic Societies, 2022, 10, 370-377.	2.3	2
7	Anisotropic thermal expansion and ionic conductivity of a crystal-oriented, Mg ²⁺ -conducting NASICON-type solid electrolyte. Ceramics International, 2022, 48, 10733-10740.	4.8	1
8	Improvement of Thermoelectric Properties via Texturation Using a Magnetic Slip Casting Process—The Illustrative Case of CrSi ₂ . Chemistry of Materials, 2022, 34, 1143-1156.	6.7	3
9	Towards high degree of c-axis orientation in MgB ₂ bulks. Journal of Magnesium and Alloys, 2022, 10, 2173-2184.	11.9	2
10	Reactive consolidation and high-temperature strength of HfB ₂ —SiB ₆ . Journal of the European Ceramic Society, 2022, 42, 4783-4792.	5.7	1
11	High-temperature reactive synthesis of the Zr—Ta multiboride with a supercomposite structure. Journal of the American Ceramic Society, 2022, 105, 6989-7002.	3.8	3
12	Effect of volume ratio on optical and mechanical properties of Y ₂ O ₃ -MgO composites fabricated by spark-plasma-sintering process. Journal of the European Ceramic Society, 2021, 41, 2096-2105.	5.7	19
13	High-rate supercapacitor using magnetically aligned graphene. Journal of Power Sources, 2021, 482, 228995.	7.8	34
14	Partially-oriented MgB ₂ superconducting bulks with addition of B ₄ C and cubic BN obtained by slip casting under high magnetic field and spark plasma sintering. Materials Research Bulletin, 2021, 134, 111103.	5.2	2
15	Simulation of densification behavior of nano-powder in final sintering stage: Effect of pore-size distribution. Journal of the European Ceramic Society, 2021, 41, 625-634.	5.7	7
16	Fabrication of textured B ₄ 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
17	Elastic isotropy originating from heterogeneous interlayer elastic deformation in a Ti ₃ SiC ₂ MAX phase with a nanolayered crystal structure. Journal of the European Ceramic Society, 2021, 41, 2278-2289.	5.7	7
18	Effect of the Heating Rate on the Spark-Plasma-Sintering (SPS) of Transparent Y ₂ O ₃ Ceramics: Microstructural Evolution, Mechanical and Optical Properties. Ceramics, 2021, 4, 56-69.	2.6	6

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19	Free Analysis and Visualization Programs for Electrochemical Impedance Spectroscopy Coded in Python. <i>Electrochemistry</i> , 2021, 89, 218-222.	1.4	13
20	Production of crystal-oriented lanthanum silicate oxyapatite ceramics with anisotropic electrical conductivity and thermal expansion. <i>Open Ceramics</i> , 2021, 6, 100100.	2.0	3
21	Fabrication of Textured Porous Ti_3SiC_2 by Slip Casting under High Magnetic Field and Microstructural Evolution through High Temperature Deformation. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2021, 85, 256-263.	0.4	3
22	Enhanced ionic conductivity of aluminum tungstate by crystallographic orientation in a strong magnetic field. <i>Journal of the American Ceramic Society</i> , 2021, 104, 6364.	3.8	6
23	Effect of Powder Calcination Conditions on IR Transmission in Y_2O_3 -MgO Nanocomposites Fabricated by Pulsed Electric Current Sintering Technique. <i>Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2021, 68, 500-506.	0.2	0
24	High-temperature toughening in ternary medium-entropy ($Ta_{1/3}Ti_{1/3}Zr_{1/3}$)C carbide consolidated using spark-plasma sintering. <i>Journal of Asian Ceramic Societies</i> , 2020, 8, 1262-1270.	2.3	16
25	Synthesis and high-temperature properties of medium-entropy (Ti,Ta,Zr,Nb)C using the spark plasma consolidation of carbide powders. <i>Open Ceramics</i> , 2020, 2, 100015.	2.0	19
26	Evolution of microstructure, mechanical, and optical properties of Y_2O_3 -MgO nanocomposites fabricated by high pressure spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4547-4555.	5.7	25
27	Synthesis of highly-infrared transparent Y_2O_3 -MgO nanocomposites by colloidal technique and SPS. <i>Ceramics International</i> , 2020, 46, 13669-13676.	4.8	20
28	Vickers indentation tests on olivine: size effects. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.8	7
29	Development of Impedance Analysis Software Implementing a Support Function to Find Good Initial Guess Using an Interactive Graphical User Interface. <i>Electrochemistry</i> , 2020, 88, 39-44.	1.4	13
30	Advanced control of crystallographic orientation in ceramics by strong magnetic field. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 1005-1012.	1.1	5
31	Fabrication and Anisotropic Electrical Property for Oriented Ceramic of Li-(Nb,Ta)-Ti-O System under High-magnetic Field. <i>Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2020, 67, 208-212.	0.2	1
32	Synthesis of medium-entropy ($Zr_{1/3}Hf_{1/3}Ta_{1/3}B_2$) using the spark plasma consolidation of diboride powders. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 977-980.	1.1	7
33	Orientation Dependence of Plastic Deformation Behavior and Fracture Energy Absorption Mechanism around Vickers Indentation of Textured Ti_3SiC_2 Sintered Body. <i>Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2020, 67, 607-614.	0.2	1
34	Effect of Al_2O_3 addition on texturing in a rotating strong magnetic field and densification of B4C. <i>Ceramics International</i> , 2019, 45, 18222-18228.	4.8	12
35	Evaluation of thermal shock fracture resistance of B4C/CNT composites with a high-frequency induction-heating furnace. <i>Materials Today: Proceedings</i> , 2019, 16, 137-143.	1.8	3
36	High-temperature flexural strength performance of ternary high-entropy carbide consolidated via spark plasma sintering of TaC, ZrC and NbC. <i>Scripta Materialia</i> , 2019, 164, 12-16.	5.2	109

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37	Microstructure and flexural strength of hafnium diboride via flash and conventional spark plasma sintering. Journal of the European Ceramic Society, 2019, 39, 898-906.	5.7	11
38	Effect of oxygen partial pressure during sintering on electric properties of BiFeO ₃ -based piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2019, 127, 383-387.	1.1	2
39	Anisotropic Electric Conductivity and Battery Performance in C-axis Oriented Lanthanum Silicate Oxyapatite Prepared by Slip Casting in a Strong Magnetic Field. Materials Transactions, 2019, 60, 1949-1953.	1.2	5
40	Theoretical analysis of experimental densification kinetics in final sintering stage of nano-sized zirconia. Journal of the European Ceramic Society, 2019, 39, 1359-1365.	5.7	6
41	Development of Laser Optical Elements by Spark Plasma Sintering Technique. The Review of Laser Engineering, 2019, 47, 448.	0.0	0
42	Effect of crystallographic orientation on transparency of alumina prepared using magnetic alignment and SPS. Journal of the European Ceramic Society, 2018, 38, 2735-2741.	5.7	29
43	Development of an Algorithm for Automatic Analysis of the Impedance Spectrum Based on a Measurement Model. Journal of the Physical Society of Japan, 2018, 87, 034004.	1.6	4
44	Stabilization of the high-temperature phase and total conductivity of yttrium-doped lanthanum germanate oxyapatite. Journal of the Ceramic Society of Japan, 2018, 126, 91-98.	1.1	3
45	Fabrication of lead-free piezoelectric (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ ceramics using electrophoretic deposition. Journal of Materials Science, 2018, 53, 2396-2404.	3.7	14
46	Transparent ultrafine Yb ₃ :Y ₂ O ₃ laser ceramics fabricated by spark plasma sintering. Journal of the American Ceramic Society, 2018, 101, 694-702.	3.8	37
47	Biomimetic macroscopic mesocrystalline films produced by oriented assembly of nanorods under magnetic field. Nanoscale, 2018, 10, 22161-22165.	5.6	3
48	Orientation Control and Anisotropy Evaluation of SLFC(Sr _{3-x} La _x Fe _{2-y} Co _y O _{7-δ}) Layered Perovskite Mixed Ionic-Electronic Conductor. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 114-120.	0.2	0
49	Anisotropic Electronic Conductivity and Battery Performance in C-axis Oriented Lanthanum Silicate Oxyapatite Prepared by Slip Casting in a Strong Magnetic Field. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 121-126.	0.2	0
50	Preparation of textured B ₄ 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
51	Distribution of Relaxation Time Analysis for Non-ideal Immittance Spectrum: Discussion and Progress. Journal of the Physical Society of Japan, 2018, 87, 094002.	1.6	19
52	Fabrication and Mechanical Properties of Textured Ti ₃ SiC ₂ Systems Using Commercial Powder. Materials Transactions, 2018, 59, 829-834.	1.2	10
53	Effect of ball-milling time and surfactant content for fabrication of 0.85(Bi _{0.5} Na _{0.5})TiO ₃ :0.15BaTiO ₃ green ceramics by electrophoretic deposition. Journal of the Ceramic Society of Japan, 2018, 126, 542-546.	1.1	4
54	Fabrication of translucent AlN ceramics with MgF ₂ additive by spark plasma sintering. Journal of the American Ceramic Society, 2018, 101, 4430-4433.	3.8	16

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55	Fabrication and anisotropic electronic property for oriented $\text{Li}_{1+x}\text{Nb}_{1-x}\text{Ti}_3\text{O}_3$ solid solution by slip casting in a high magnetic field. <i>Advanced Powder Technology</i> , 2017, 28, 2373-2379.	4.1	6
56	Fabrication of $\text{Ca}_{1-x}\text{Sr}_x$ grain-oriented $0.15\text{BaTiO}_3\text{-}0.85(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ ceramics by a reactive templated grain growth method. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 10PD06.	1.5	6
57	Effect of texture microstructure on tribological properties of tailored Ti_3AlC_2 ceramic. <i>Journal of Advanced Ceramics</i> , 2017, 6, 120-128.	17.4	25
58	Fabrication and Mechanical Properties of Textured Ti_3SiC_2 Systems Using Commercial Powders. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 552-557.	0.2	0
59	Evaluation of densification and grain-growth behavior during isothermal sintering of zirconia. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 357-363.	1.1	3
60	Development of Functional Properties in Ceramics by Microstructure Control Using a Magnetic Field. <i>Journal of the Society of Powder Technology, Japan</i> , 2017, 54, 41-45.	0.1	0
61	Synthesis of crystallographically oriented olivine aggregates using colloidal processing in a strong magnetic field. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 689-706.	0.8	2
62	Electrophoretic fabrication of a-b plane oriented La_2NiO_4 cathode onto electrolyte in strong magnetic field for low-temperature operating solid oxide fuel cell. <i>Journal of the European Ceramic Society</i> , 2016, 36, 4077-4082.	5.7	19
63	Triaxial Crystalline Orientation of MgTi_2O_5 Achieved Using a Strong Magnetic Field and Geometric Effect. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1852-1854.	3.8	7
64	Development of an electrochemical impedance analysis program based on the expanded measurement model. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 943-949.	1.1	18
65	Fabrication and Mechanical Properties of Textured Ti_3SiC_2 MAX Phase Systems. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016, 63, 970-975.	0.2	2
66	Magnetic field alignment in highly concentrated suspensions for gelcasting process. <i>Ceramics International</i> , 2016, 42, 294-301.	4.8	6
67	Densification kinetics during isothermal sintering of 8YSZ. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1269-1275.	5.7	22
68	Sinterable powder fabrication of lanthanum silicate oxyapatite based on solid-state reaction method. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 274-279.	1.1	8
69	Fabrication of (111)-oriented Tetragonal BaTiO_3 Ceramics by an Electrophoretic Deposition in a High Magnetic Field. <i>Transactions of the Materials Research Society of Japan</i> , 2015, 40, 223-226.	0.2	8
70	Highly anisotropic single crystal-like $\text{La}_2\text{Ti}_2\text{O}_7$ ceramic produced by combined magnetic field alignment and templated grain growth. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1771-1776.	5.7	20
71	Dense SiC containing strongly aligned plate-like grains by magnetic treatment. <i>Ceramics International</i> , 2015, 41, 5079-5084.	4.8	12
72	Microstructure and high-temperature strength of textured and non-textured ZrB_2 ceramics. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 014202.	6.1	43

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73	Microstructure and P-anisotropic P-properties of Ti-textured Zr-B-2 and Zr-B-2 "MS-2" C-ceramics prepared by S-trong M-agnetic F-ield A-ignment. International Journal of Applied Ceramic Technology, 2014, 11, 218-227.	2.1	22
74	Magnesium ion distribution and defect concentrations of MgO-doped lanthanum silicate oxyapatite. Solid State Ionics, 2014, 258, 24-29.	2.7	4
75	Fabrication of textured alumina by magnetic alignment via gelcasting based on low-toxic system. Journal of the European Ceramic Society, 2014, 34, 3841-3848.	5.7	19
76	Fabrication of Textured Ti ₃ SiC ₂ Ceramics by Slip Casting in a Magnetic Field and Pulsed Electric Current Sintering. Journal of the Society of Powder Technology, Japan, 2014, 51, 163-168.	0.1	2
77	Transparent ZnAl ₂ O ₄ ceramics fabricated by spark plasma sintering. Journal of the Ceramic Society of Japan, 2014, 122, 784-787.	1.1	23
78	Fabrication of textured Ti ₃ SiC ₂ ceramic by slip casting in a strong magnetic field and pressureless sintering. Journal of the Ceramic Society of Japan, 2014, 122, 817-821.	1.1	18
79	Dispersion/Coagulation and Colloidal Processing of Ceramic Particles. Journal of the Society of Powder Technology, Japan, 2014, 51, 462-472.	0.1	1
80	Fabrication of Textured Ceramics Using Mn and Nb-doped Hexagonal BaTiO ₃ by an Electrophoretic Deposition in a High Magnetic Field. Transactions of the Materials Research Society of Japan, 2014, 39, 199-202.	0.2	1
81	Analysis of abnormal grain growth of oriented LiCoO ₂ prepared by slip casting in a strong magnetic field. Journal of the European Ceramic Society, 2013, 33, 3059-3064.	5.7	14
82	Anisotropy in activation energy of textured LiCoO ₂ for the initial stage of sintering. Journal of the European Ceramic Society, 2013, 33, 1037-1044.	5.7	8
83	Effect of Hydrothermal Treatment on the Piezoelectric Response of Oriented Barium Titanate Ceramics. Key Engineering Materials, 2013, 566, 45-49.	0.4	0
84	Two-Dimensional Orientation in Bi-Ti-O-12 Prepared Using Platelet Particles and a Magnetic Field. Journal of the American Ceramic Society, 2013, 96, 1085-1089.	3.8	15
85	Ideal design of textured LiCoO ₂ sintered electrode for Li-ion secondary battery. APL Materials, 2013, 1, .	5.1	20
86	Electrophoretic deposition of orientation-controlled zeolite L layer on porous ceramic substrate. Journal of the Ceramic Society of Japan, 2013, 121, 370-372.	1.1	5
87	Fabrication of textured Ti ₃ AlC ₂ by spark plasma sintering and their anisotropic mechanical properties. Journal of the Ceramic Society of Japan, 2013, 121, 366-369.	1.1	23
88	Hydrothermal transformation of magnetically orientation-controlled seed layer into orientation-retained dense, continuous film in clear reaction solution. Journal of the Ceramic Society of Japan, 2013, 121, 550-554.	1.1	1
89	Fabrication of textured γ -alumina in high magnetic field via gelcasting with the use of glucose derivative. Journal of the Ceramic Society of Japan, 2013, 121, 89-94.	1.1	7
90	AAO-template assisted synthesis and size control of one-dimensional TiO ₂ nanomaterials. Journal of the Ceramic Society of Japan, 2013, 121, 915-918.	1.1	10

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91	Fabrication of Textured BaTiO ₃ Ceramics by Electrophoretic Deposition in A High Magnetic Field using Single-domain Particles. Transactions of the Materials Research Society of Japan, 2013, 38, 41-44.	0.2	4
92	Orientation Control of Hematite via Transformation of Textured Goethite Prepared by EPD in a Strong Magnetic Field. Key Engineering Materials, 2012, 507, 227-231.	0.4	1
93	Hydrogen generation from water using Mg nanopowder produced by arc plasma method. Science and Technology of Advanced Materials, 2012, 13, 025009.	6.1	36
94	Textured Ti ₃ SiC ₂ by gelcasting in a strong magnetic field. Journal of the Ceramic Society of Japan, 2012, 120, 544-547.	1.1	11
95	Textured Ti ₃ SiC ₂ by gelcasting in a strong magnetic field. Journal of the Ceramic Society of Japan, 2012, 120, 616-B-616-B.	1.1	1
96	Fabrication and Analysis of the Oriented LiCoO ₂ by Slip Casting in a Strong Magnetic Field. Journal of the American Ceramic Society, 2012, 95, 3428-3433.	3.8	11
97	Electrophoretic Deposition of Ti ₃ SiC ₂ and Texture Development in a Strong Magnetic Field. Journal of the American Ceramic Society, 2012, 95, 2857-2862.	3.8	27
98	Uniformly Porous MgTi ₂ O ₅ with Narrow Pore Size Distribution: XAFS Study, Improved In Situ Synthesis, and New In Situ Surface Coating. Advanced Engineering Materials, 2012, 14, 1134-1138.	3.5	21
99	Orientation control of mordenite zeolite in strong magnetic field. Microporous and Mesoporous Materials, 2012, 151, 188-194.	4.4	16
100	Texture development in anatase and rutile prepared by slip casting in a strong magnetic field. Journal of the Ceramic Society of Japan, 2011, 119, 334-337.	1.1	13
101	Texture development of surface-modified SiC prepared by EPD in a strong magnetic field. Journal of the Ceramic Society of Japan, 2011, 119, 667-671.	1.1	4
102	Textured lead titanate ceramics fabricated by slip casting under a high magnetic field. Journal of the Ceramic Society of Japan, 2011, 119, 60-64.	1.1	8
103	Fabrication of the oriented LiCoO ₂ sheet using a strong magnetic field. Journal of the Ceramic Society of Japan, 2011, 119, 701-705.	1.1	8
104	Tailoring Ti ₃ SiC ₂ Ceramic via a Strong Magnetic Field Alignment Method Followed by Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 742-748.	3.8	57
105	High-hardness B ₄ C textured by a strong magnetic field technique. Scripta Materialia, 2011, 64, 256-259.	5.2	47
106	Preparation and Characterization of Grain-Oriented Barium Titanate Ceramics Using Electrophoresis Deposition Method under a High Magnetic Field. Key Engineering Materials, 2011, 485, 313-316.	0.4	4
107	Preparation and Dielectric Properties of Dense Barium Titanate Nanoparticle Accumulations by Electrophoresis Deposition Method. Key Engineering Materials, 2011, 485, 35-38.	0.4	2
108	Microstructure Control of Barium Titanate – Potassium Niobate Solid Solution System Ceramics by MPB Engineering and their Piezoelectric Properties. Key Engineering Materials, 2011, 485, 89-92.	0.4	9

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109	Fabrication of c-axis oriented zinc oxide by electrophoretic deposition in a rotating magnetic field. Journal of the European Ceramic Society, 2010, 30, 1171-1175.	5.7	13
110	Effect of sintering conditions on microstructure orientation in $\hat{1}\pm$ -SiC prepared by slip casting in a strong magnetic field. Journal of the European Ceramic Society, 2010, 30, 2813-2817.	5.7	44
111	The c-axis texturing of seeded Si ₃ N ₄ with $\hat{1}^2$ -Si ₃ N ₄ whiskers by slip casting in a rotating magnetic field. Acta Materialia, 2010, 58, 146-161.	7.9	49
112	Electrophoretic Deposition of LDC/LSGM/LDC Tri-layers on NiO-YSZ for Anode-supported SOFC. Transactions of the Materials Research Society of Japan, 2010, 35, 723-725.	0.2	2
113	Enhanced Piezoelectric Properties of Barium Titanate-Potassium Niobate Solid Solution System Ceramics by MPB Engineering. Key Engineering Materials, 2010, 445, 11-14.	0.4	9
114	Hybrid processing and anisotropic sintering shrinkage in textured ZnO ceramics. Science and Technology of Advanced Materials, 2010, 11, 065006.	6.1	14
115	Synthesis, Microstructure and Mechanical Properties of ZrB ₂ Ceramic Prepared by Mechanical Alloying and Spark Plasma Sintering. Key Engineering Materials, 2010, 434-435, 165-168.	0.4	1
116	Sedimentation classification treatment effect of starting powders in slip casting on magneto-orientation of mordenite zeolite. Transactions of the Materials Research Society of Japan, 2010, 35, 701-703.	0.2	2
117	Preparation of Highly Oriented Transparent (Sr,Ba)Nb ₂ O ₆ Ceramics and Their Ferroelectric Properties. Japanese Journal of Applied Physics, 2009, 48, 031405.	1.5	18
118	Magnetic orientation and magnetic anisotropy in paramagnetic layered oxides containing rare-earth ions. Science and Technology of Advanced Materials, 2009, 10, 014604.	6.1	35
119	Formation of Crystalline-Oriented Titania Thin Films on ITO Glass Electrodes by EPD in a Strong Magnetic Field. Key Engineering Materials, 2009, 412, 143-148.	0.4	2
120	Fabrication of Multi-Layered Thermoelectric Thick Films and their Thermoelectric Performance. Key Engineering Materials, 2009, 412, 291-296.	0.4	0
121	Effect of sintering additive on crystallographic orientation in AlN prepared by slip casting in a strong magnetic field. Journal of the European Ceramic Society, 2009, 29, 2627-2633.	5.7	33
122	Texture development in 3mol% yttria-stabilized tetragonal zirconia. Materials Research Bulletin, 2009, 44, 1802-1805.	5.2	15
123	Control of Texture in Diamagnetic Ceramics by Using a Strong Magnetic Field. Materia Japan, 2009, 48, 321-326.	0.1	0
124	Effect of bead-milling treatment on the dispersion of tetragonal zirconia nanopowder and improvements of two-step sintering. Journal of the Ceramic Society of Japan, 2009, 117, 470-474.	1.1	13
125	Fabrication of GDC/LSGM/GDC tri-layers on polypyrrole-coated NiO-YSZ by electrophoretic deposition for anode-supported SOFC. Journal of the Ceramic Society of Japan, 2009, 117, 1246-1248.	1.1	20
126	Anelastic behavior of 8Y-FSZ/Al ₂ O ₃ composite. Journal of Materials Science, 2008, 43, 6834-6839.	3.7	0

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127	Texturing behavior in sintered reaction-bonded silicon nitride via strong magnetic field alignment. Journal of the European Ceramic Society, 2008, 28, 929-934.	5.7	12
128	Fabrication and some properties of textured alumina-related compounds by colloidal processing in high-magnetic field and sintering. Journal of the European Ceramic Society, 2008, 28, 935-942.	5.7	55
129	Texture development of hydroxyapatite ceramics by colloidal processing in a high magnetic field followed by sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 27-33.	5.6	27
130	Highly Texturing β -Sialon Via Strong Magnetic Field Alignment. Journal of the American Ceramic Society, 2008, 91, 620-623.	3.8	15
131	Conductive Polymer Coating on Nonconductive Ceramic Substrates for Use in the Electrophoretic Deposition Process. Journal of the American Ceramic Society, 2008, 91, 1674-1677.	3.8	26
132	Texturing of Si_3N_4 Ceramics via Strong Magnetic Field Alignment. Key Engineering Materials, 2008, 368-372, 871-874.	0.4	6
133	Preparation and Properties of $\text{Al}_2\text{O}_3\text{-Mullite-SiC}$ Nano-Composite by Slip Casting in a High Magnetic Field and Reaction Sintering. Key Engineering Materials, 2007, 336-338, 1133-1136.	0.4	1
134	Thermoelectric Properties and Magnetic Anisotropies of Magnetically Grain-Oriented Sr- or Bi-doped $\text{Ca}_3\text{Co}_4\text{O}_9$ Thick Films. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
135	Improvement of Thermoelectric Properties of p- and n-types Oxide Thick Films Fabricated by Electrophoretic Deposition. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
136	Hydrogen Storage Properties of Nb-Zr-Fe Alloys Disintegrated by Hydrogen Gas. Materials Science Forum, 2007, 534-536, 73-76.	0.3	0
137	Direct Shaping of Alumina Ceramics by Electrophoretic Deposition Using Conductive Polymer-Coated Ceramic Substrates. Advanced Materials Research, 2007, 29-30, 227-230.	0.3	2
138	Fabrication and Some Properties of Textured Ceramics by Colloidal Processing in High Magnetic Field. Key Engineering Materials, 2007, 352, 101-106.	0.4	3
139	Orientation Control in Multilayered Alumina Prepared Using Electrophoretic Deposition in a Strong Magnetic Field. Advanced Materials Research, 2007, 29-30, 223-226.	0.3	1
140	Effect of Milling Treatment on Texture Development of Hydroxyapatite Ceramics by Slip Casting in High Magnetic Field. Materials Transactions, 2007, 48, 2861-2866.	1.2	21
141	Fabrication of Textured α - SiC Using Colloidal Processing and a Strong Magnetic Field. Materials Transactions, 2007, 48, 2883-2887.	1.2	20
142	Texturing α -Sialon Via Strong Magnetic Field Alignment. Journal of the Ceramic Society of Japan, 2007, 115, 701-705.	1.1	6
143	High-strain-rate superplasticity in oxide ceramics. Science and Technology of Advanced Materials, 2007, 8, 578-587.	6.1	41
144	Effect of Polyethylenimine on Hydrolysis and Dispersion Properties of Aqueous Si_3N_4 Suspensions. Journal of the American Ceramic Society, 2007, 90, 797-804.	3.8	46

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145	Layer Structure of Textured CaBi ₄ Ti ₄ O ₁₅ Ceramics Fabricated by Slip Casting in High Magnetic Field. Journal of the American Ceramic Society, 2007, 90, 1463-1466.	3.8	18
146	Electrophoretic Deposition of Alumina on Conductive Polymer-Coated Ceramic Substrates. Journal of the Ceramic Society of Japan, 2006, 114, 55-58.	1.3	19
147	Texture Development in Si ₃ N ₄ Ceramics by Magnetic Field Alignment during Slip Casting. Journal of the Ceramic Society of Japan, 2006, 114, 979-987.	1.3	40
148	Texture Development in Alumina Composites by Slip Casting in a Strong Magnetic Field. Journal of the Ceramic Society of Japan, 2006, 114, 59-62.	1.3	22
149	Control of texture in alumina by colloidal processing in a strong magnetic field. Science and Technology of Advanced Materials, 2006, 7, 356-364.	6.1	106
150	Microstructural Design for Attaining High-Strain-Rate Superplasticity in Oxide Materials. Advances in Science and Technology, 2006, 45, 923.	0.2	1
151	Design of Alumina/Alumina Laminate Composites with Crystalline-Orientated Layers Produced by Electrophoretic Deposition under a High Magnetic Field. Key Engineering Materials, 2006, 314, 25-32.	0.4	0
152	Highly controlled orientation of CaBi ₄ Ti ₄ O ₁₅ using a strong magnetic field. Applied Physics Letters, 2006, 89, 132902.	3.3	20
153	Control of the Texture in Feeble Magnetic Ceramics Using Colloidal Processing in a Strong Magnetic Field. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2006, 53, 479-487.	0.2	1
154	CONTROL OF PARTICLE ORIENTATION OF HYDROXYAPATITE UNDER A HIGH MAGNETIC FIELD. Phosphorus Research Bulletin, 2005, 19, 256-261.	0.6	0
155	Textured Development of Feeble Magnetic Ceramics by Colloidal Processing Under High Magnetic Field. Journal of the Ceramic Society of Japan, 2005, 113, 26-36.	1.3	223
156	Densification and Superplasticity of Hydroxyapatite Ceramics. Journal of the Ceramic Society of Japan, 2005, 113, 669-673.	1.3	26
157	Preparation of oriented bulk 5wt% Y ₂ O ₃ -AlN ceramics by slip casting in a high magnetic field and sintering. Scripta Materialia, 2005, 52, 583-586.	5.2	65
158	Texture of Alumina by Neutron Diffraction and SEM-EBSD. Materials Science Forum, 2005, 495-497, 1395-1400.	0.3	12
159	Development of Thermoelectric Bi-Based Cobaltites with an Easy Axis of Magnetization Parallel to the C-Axis for Magnetic Alignment. Japanese Journal of Applied Physics, 2005, 44, L1263-L1266.	1.5	13
160	Rietveld Texture Analysis of Alumina Ceramics by Neutron Diffraction. Chemistry of Materials, 2005, 17, 102-106.	6.7	22
161	New Processing of Textured Ceramics by Colloidal Processing Under High Magnetic Field. Key Engineering Materials, 2005, 280-283, 721-728.	0.4	5
162	The Crystal Orientation Taking Account of Gravity Force under High Magnetic Field. ISIJ International, 2005, 45, 997-1000.	1.4	13

#	ARTICLE	IF	CITATIONS
163	Looking for Positive Mixing Volume in Polyamide/Acrylic Rubber Blends with Use of Positron Annihilation Lifetime Spectroscopy and Other Methods. <i>Materials Science Forum</i> , 2004, 445-446, 277-279.	0.3	2
164	High-Strain Rate Superplastic Zirconia Systems. <i>Key Engineering Materials</i> , 2004, 264-268, 285-288.	0.4	0
165	Control of Texture in Al ₂ O ₃ Composites by Slip Casting in a Strong Magnetic Field Followed by Heating. <i>Key Engineering Materials</i> , 2004, 264-268, 245-248.	0.4	2
166	Strain Softening and Hardening during Superplastic-Like Flow in a Fine-Grained MgAl ₂ O ₄ Spinel Polycrystal. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1102-1109.	3.8	15
167	Fabrication of oriented γ -alumina from porous bodies by slip casting in a high magnetic field. <i>Solid State Ionics</i> , 2004, 172, 341-347.	2.7	32
168	Low-Temperature and High-Strain Rate Superplastic Zirconia. <i>Advanced Engineering Materials</i> , 2003, 5, 130-133.	3.5	17
169	Control of Texture in Electroceramics by Slip-Casting in a High Magnetic Field. <i>Key Engineering Materials</i> , 2003, 248, 191-194.	0.4	9
170	Electrophoretic deposition of γ -alumina particles in a strong magnetic field. <i>Journal of Materials Research</i> , 2003, 18, 254-256.	2.6	29
171	Alignment of Titania Whisker by Colloidal Filtration in a High Magnetic Field. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L1416-L1418.	1.5	58
172	Fabrication of Textured Titania by Slip Casting in a High Magnetic Field Followed by Heating. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L1272-L1274.	1.5	75
173	Fabrication of Tailored Alumina-Based Ceramics Through Colloidal Processing. <i>Key Engineering Materials</i> , 2002, 224-226, 619-622.	0.4	3
174	Microstructure and Superplasticity in Various Zirconia-Dispersed Aluminas.. <i>Journal of the Ceramic Society of Japan</i> , 2002, 110, 927-930.	1.3	1
175	Control of Texture in ZnO by Slip Casting in a Strong Magnetic Field and Heating. <i>Chemistry Letters</i> , 2002, 31, 1204-1205.	1.3	65
176	Preferred Orientation of the Texture in the SiC Whisker-Dispersed Al ₂ O ₃ Ceramics by Slip Casting in a High Magnetic Field.. <i>Journal of the Ceramic Society of Japan</i> , 2001, 109, 886-890.	1.3	40
177	Sintering and Ionic Conductivity of CuO-Doped Tetragonal ZrO ₂ Prepared by Novel Colloidal Processing.. <i>Journal of the Ceramic Society of Japan</i> , 2001, 109, 1004-1009.	1.3	6
178	Cavity Formation and Growth in a Superplastic Alumina Containing Zirconia Particles. <i>Materials Science Forum</i> , 2001, 357-359, 193-198.	0.3	5
179	Fabrication of Textured Alumina through Slip Casting in a High Magnetic Field and Heating. <i>Key Engineering Materials</i> , 2001, 206-213, 349-352.	0.4	3
180	Colloidal Processing and Superplastic Properties of Fine-Grained Zirconia-Based Ceramics. <i>Key Engineering Materials</i> , 2001, 206-213, 645-648.	0.4	6

#	ARTICLE	IF	CITATIONS
181	Effect of Ultrasonication on the Microstructure and Tensile Elongation of Zirconia-Dispersed Alumina Ceramics Prepared by Colloidal Processing. Journal of the American Ceramic Society, 2001, 84, 2132-2134.	3.8	67
182	Cavitation Failure in a Superplastic Alumina with Zirconia-Particle Dispersion. Key Engineering Materials, 2000, 171-174, 763-770.	0.4	3
183	Cavity Damage Accumulation in Alumina Doped with Zirconia or Magnesia. Materials Science Forum, 1999, 304-306, 431-436.	0.3	8
184	Superplastic Tensile Ductility in a Zirconia-Dispersed Alumina Produced by Colloidal Processing. Materials Science Forum, 1999, 304-306, 489-494.	0.3	3
185	Effect of Ultrasonication on Colloidal Dispersion of Al ₂ O ₃ and ZrO ₂ Powders in pH Controlled Suspension. Materials Transactions, JIM, 1998, 39, 689-692.	0.9	25
186	High-Temperature Deformation of TiAl/Ti ₂ AlC Composites Produced by Reaction Milling. Materials Science Forum, 1996, 233-234, 295-302.	0.3	1
187	Synthesis of TiAl-Al ₂ Ti ₄ C ₂ Composite by Reaction Milling. Materials Science Forum, 1995, 179-181, 189-194.	0.3	8
188	Fabrication of Highly Microstructure Controlled Ceramics by Novel Colloidal Processing. Key Engineering Materials, 0, 336-338, 2372-2377.	0.4	0
189	Pulsed-DC Electrophoretic Deposition (EPD) of Aqueous Alumina Suspension for Controlling Bubble Incorporation and Deposit Microstructure. Key Engineering Materials, 0, 412, 39-44.	0.4	10
190	Surface Modification of SiC Powder for Use in Electrophoretic Deposition. Key Engineering Materials, 0, 412, 287-290.	0.4	3
191	Textured PbTiO ₃ Based Ceramics Fabricated by Slip Casting in a High Magnetic Field. Key Engineering Materials, 0, 421-422, 395-398.	0.4	0
192	Control of Residual Stress in Multilayered Alumina Composites Prepared Using EPD in a Strong Magnetic Field. Key Engineering Materials, 0, 412, 233-236.	0.4	1
193	Preparation of Barium Titanate Grain-Oriented Ceramics and their Piezoelectric Properties. Key Engineering Materials, 0, 445, 3-6.	0.4	1
194	Textured Ti ₃ SiC ₂ by EPD in a Strong Magnetic Field. Key Engineering Materials, 0, 507, 15-19.	0.4	2
195	Preparation of Barium Titanate Nanoparticles with Necking Structure/Polymer Complex and their Dielectric Properties. Key Engineering Materials, 0, 582, 23-26.	0.4	0
196	Microstructure Control of Potassium Niobate Porous Ceramics and their Sensor Properties. Key Engineering Materials, 0, 566, 241-244.	0.4	2
197	Preparation of Ceramics/Polymer Film Capacitor Using Barium Titanate Nanoparticles with High Dielectric Property and their Dielectric Property. Key Engineering Materials, 0, 566, 54-58.	0.4	0
198	Preparation of Textured Li _{1+x-y} Nb _{1-x-3y} Ti _{x+4y} O ₃ Solid Solution in a High Magnetic Field. Materials Science Forum, 0, 783-786, 2480-2484.		4

#	ARTICLE	IF	CITATIONS
199	Surface Modification of Complex Oxide Powder with Polyelectrolyte Layers Improving EPD Characteristics. Key Engineering Materials, 0, 654, 255-260.	0.4	0
200	Fabrication of c-Axis-Oriented Zeolite L Seed Layer on Porous Zirconia Substrate by Electrophoretic Deposition in Strong Magnetic Field. Key Engineering Materials, 0, 654, 274-279.	0.4	0
201	Tri-axial Grain Orientation of $Y_{2}Ba_{4}Cu_{7}O_{i}$ Achieved by the Magneto-science Method. Applied Physics Express, 0, 1, 111701.	2.4	46
202	Consolidation and high-temperature strength of monolithic lanthanum hexaboride. Journal of the American Ceramic Society, 0, , .	3.8	1