Tohru S Suzuki

List of Publications by Year
in descending order

202	2,934	201674 27	254184 43
papers	citations	h-index	g-index

203	203	203	1683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	High-temperature flexural strength performance of ternary high-entropy carbide consolidated via spark plasma sintering of TaC, ZrC and NbC. Scripta Materialia, 2019, 164, 12-16.	5.2	109
3	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
4	Fabrication of Textured Titania by Slip Casting in a High Magnetic Field Followed by Heating. Japanese Journal of Applied Physics, 2002, 41, L1272-L1274.	1.5	75
5	Effect of Ultrasonication on the Microstructure and Tensile Elongation of Zirconiaâ€Dispersed Alumina Ceramics Prepared by Colloidal Processing. Journal of the American Ceramic Society, 2001, 84, 2132-2134.	3.8	67
6	Control of Texture in ZnO by Slip Casting in a Strong Magnetic Field and Heating. Chemistry Letters, 2002, 31, 1204-1205.	1.3	65
7	Preparation of oriented bulk 5wt% Y2O3â€“AlN ceramics by slip casting in a high magnetic field and sintering. Scripta Materialia, 2005, 52, 583-586.	5.2	65
8	Alignment of Titania Whisker by Colloidal Filtration in a High Magnetic Field. Japanese Journal of Applied Physics, 2002, 41, L1416-L1418.	1.5	58
9	Tailoring Ti₃SiC₂ 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
10	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
11	The c-axis texturing of seeded Si3N4 with Î²-Si3N4 whiskers by slip casting in a rotating magnetic field. Acta Materialia, 2010, 58, 146-161.	7.9	49
12	High-hardness B4C textured by a strong magnetic field technique. Scripta Materialia, 2011, 64, 256-259.	5.2	47
13	Effect of Polyethylenimine on Hydrolysis and Dispersion Properties of Aqueous Si3N4Suspensions. Journal of the American Ceramic Society, 2007, 90, 797-804.	3.8	46
14	Tri-axial Grain Orientation of Y₂Ba₄Cu₇O_yAchieved by the Magneto-science Method. Applied Physics Express, 0, 1, 111701.	2.4	46
15	Effect of sintering conditions on microstructure orientation in Î±-SiC prepared by slip casting in a strong magnetic field. Journal of the European Ceramic Society, 2010, 30, 2813-2817.	5.7	44
16	Microstructure and high-temperature strength of textured and non-textured ZrB₂ceramics. Science and Technology of Advanced Materials, 2014, 15, 014202.	6.1	43
17	High-strain-rate superplasticity in oxide ceramics. Science and Technology of Advanced Materials, 2007, 8, 578-587.	6.1	41
18	Preferred Orientation of the Texture in the SiC Whisker-Dispersed Al2O3 Ceramics by Slip Casting in a High Magnetic Field.. Journal of the Ceramic Society of Japan, 2001, 109, 886-890.	1.3	40

#	Article	IF	Citations
19	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
20	Transparent ultrafine Yb³⁺:Y₂O₃ laser ceramics fabricated by spark plasma sintering. Journal of the American Ceramic Society, 2018, 101, 694-702.	3.8	37
21	Hydrogen generation from water using Mg nanopowder produced by arc plasma method. Science and Technology of Advanced Materials, 2012, 13, 025009.	6.1	36
22	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
23	High-rate supercapacitor using magnetically aligned graphene. Journal of Power Sources, 2021, 482, 228995.	7.8	34
24	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
25	Fabrication of oriented ?-alumina from porous bodies by slip casting in a high magnetic field. Solid State Ionics, 2004, 172, 341-347.	2.7	32
26	Electrophoretic deposition of Î±-alumina particles in a strong magnetic field. Journal of Materials Research, 2003, 18, 254-256.	2.6	29
27	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
28	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
29	Electrophoretic Deposition of <scp><scp>Ti</scp></scp>₃<scp><scp>SiC</scp></scp>₂ and Texture Development in a Strong Magnetic Field. Journal of the American Ceramic Society, 2012, 95, 2857-2862.	3.8	27
30	Densification and Superplasticity of Hydroxyapatite Ceramics. Journal of the Ceramic Society of Japan, 2005, 113, 669-673.	1.3	26
31	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
32	Effect of Ultrasonication on Colloidal Dispersion of Al₂O₃ and ZrO₂ Powders in pH Controlled Suspension. Materials Transactions, JIM, 1998, 39, 689-692.	0.9	25
33	Effect of texture microstructure on tribological properties of tailored Ti3AlC2 ceramic. Journal of Advanced Ceramics, 2017, 6, 120-128.	17.4	25
34	Evolution of microstructure, mechanical, and optical properties of Y2O3-MgO nanocomposites fabricated by high pressure spark plasma sintering. Journal of the European Ceramic Society, 2020, 40, 4547-4555.	5.7	25
35	Fabrication of textured Ti₃AlC₂ by spark plasma sintering and their anisotropic mechanical properties. Journal of the Ceramic Society of Japan, 2013, 121, 366-369.	1.1	23
36	Transparent ZnAl₂O₄ ceramics fabricated by spark plasma sintering. Journal of the Ceramic Society of Japan, 2014, 122, 784-787.	1.1	23

#	Article	IF	Citations
37	Rietveld Texture Analysis of Alumina Ceramics by Neutron Diffraction. Chemistry of Materials, 2005, 17, 102-106.	6.7	22
38	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
39	Microstructure and <scp>A</scp>nisotropic <scp>P</scp>roperties of <scp>T</scp>extured <scp>Z</scp>r<scp>B</scp>₂ and <scp>Z</scp>r<scp>B</scp>₂â€“<scp>M</scp>o<scp>S</scp>i₂Â<scp>C</scp>eramics <scp>P</scp>repared by <scp>S</scp>trong <scp>M</scp>agnetic <scp>F</scp>ield <scp>A</scp>lignment. International Journal of Applied Ceramic Technology, 2014, 11, 218-227.	2.1	22
40	Densification kinetics during isothermal sintering of 8YSZ. Journal of the European Ceramic Society, 2016, 36, 1269-1275.	5.7	22
41	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
42	Uniformly Porous MgTi₂O₅ with Narrow Poreâ€Size Distribution: XAFS Study, Improved In Situ Synthesis, and New In Situ Surface Coating. Advanced Engineering Materials, 2012, 14, 1134-1138.	3.5	21
43	Highly controlled orientation of CaBi4Ti4O15 using a strong magnetic field. Applied Physics Letters, 2006, 89, 132902.	3.3	20
44	Fabrication of Textured α-SiC Using Colloidal Processing and a Strong Magnetic Field. Materials Transactions, 2007, 48, 2883-2887.	1.2	20
45	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
46	Ideal design of textured LiCoO2 sintered electrode for Li-ion secondary battery. APL Materials, 2013, 1, .	5.1	20
47	Highly anisotropic single crystal-like La2Ti2O7 ceramic produced by combined magnetic field alignment and templated grain growth. Journal of the European Ceramic Society, 2015, 35, 1771-1776.	5.7	20
48	Synthesis of highly-infrared transparent Y2O3â€“MgO nanocomposites by colloidal technique and SPS. Ceramics International, 2020, 46, 13669-13676.	4.8	20
49	Electrophoretic Deposition of Alumina on Conductive Polymer-Coated Ceramic Substrates. Journal of the Ceramic Society of Japan, 2006, 114, 55-58.	1.3	19
50	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
51	Electrophoretic fabrication of a-b plane oriented La2NiO4 cathode onto electrolyte in strong magnetic field for low-temperature operating solid oxide fuel cell. Journal of the European Ceramic Society, 2016, 36, 4077-4082.	5.7	19
52	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
53	Synthesis and high-temperature properties of medium-entropy (Ti,Ta,Zr,Nb)C using the spark plasma consolidation of carbide powders. Open Ceramics, 2020, 2, 100015.	2.0	19
54	Effect of volume ratio on optical and mechanical properties of Y2O3-MgO composites fabricated by spark-plasma-sintering process. Journal of the European Ceramic Society, 2021, 41, 2096-2105.	5.7	19

#	Article	IF	Citations
55	Layer Structure of Textured CaBi4Ti4O15Ceramics Fabricated by Slip Casting in High Magnetic Field. Journal of the American Ceramic Society, 2007, 90, 1463-1466.	3.8	18
56	Preparation of Highly Oriented Transparent (Sr,Ba)Nb2O6Ceramics and Their Ferroelectric Properties. Japanese Journal of Applied Physics, 2009, 48, 031405.	1.5	18
57	Fabrication of textured Ti₃SiC₂ 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
58	Development of an electrochemical impedance analysis program based on the expanded measurement model. Journal of the Ceramic Society of Japan, 2016, 124, 943-949.	1.1	18
59	Low-Temperature and High-Strain Rate Superplastic Zirconia. Advanced Engineering Materials, 2003, 5, 130-133.	3.5	17
60	Orientation control of mordenite zeolite in strong magnetic field. Microporous and Mesoporous Materials, 2012, 151, 188-194.	4.4	16
61	Fabrication of translucent AlN ceramics with MgF₂ additive by spark plasma sintering. Journal of the American Ceramic Society, 2018, 101, 4430-4433.	3.8	16
62	High-temperature toughening in ternary medium-entropy (Ta_{1/3}Ti_{1/3}Zr_{1/3})C carbide consolidated using spark-plasma sintering. Journal of Asian Ceramic Societies, 2020, 8, 1262-1270.	2.3	16
63	Strain Softening and Hardening during Superplasticâ€Like Flow in a Fineâ€Grained MgAl₂O₄Spinel Polycrystal. Journal of the American Ceramic Society, 2004, 87, 1102-1109.	3.8	15
64	Highly Texturing Î²-Sialon Via Strong Magnetic Field Alignment. Journal of the American Ceramic Society, 2008, 91, 620-623.	3.8	15
65	Texture development in 3mol% yttria-stabilized tetragonal zirconia. Materials Research Bulletin, 2009, 44, 1802-1805.	5.2	15
66	Twoâ€Dimensional Orientation in <scp><scp>Bi</scp></scp>₄<scp><scp>Ti</scp></scp>₃<scp><scp>O</scp></scp>₁₂ Prepared Using Platelet Particles and a Magnetic Field. Journal of the American Ceramic Society, 2013, 96, 1085-1089.	3.8	15
67	Hybrid processing and anisotropic sintering shrinkage in textured ZnO ceramics. Science and Technology of Advanced Materials, 2010, 11, 065006.	6.1	14
68	Analysis of abnormal grain growth of oriented LiCoO2 prepared by slip casting in a strong magnetic field. Journal of the European Ceramic Society, 2013, 33, 3059-3064.	5.7	14
69	Fabrication of lead-free piezoelectric (Bi0.5Na0.5)TiO3â€“BaTiO3 ceramics using electrophoretic deposition. Journal of Materials Science, 2018, 53, 2396-2404.	3.7	14
70	Development of Thermoelectric Bi-Based Cobaltites with an Easy Axis of Magnetization Parallel to theC-Axis for Magnetic Alignment. Japanese Journal of Applied Physics, 2005, 44, L1263-L1266.	1.5	13
71	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
72	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

#	Article	IF	Citations
73	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
74	Development of Impedance Analysis Software Implementing a Support Function to Find Good Initial Guess Using an Interactive Graphical User Interface. Electrochemistry, 2020, 88, 39-44.	1.4	13
75	Free Analysis and Visualization Programs for Electrochemical Impedance Spectroscopy Coded in Python. Electrochemistry, 2021, 89, 218-222.	1.4	13
76	The Crystal Orientation Taking Account of Gravity Force under High Magnetic Field. ISIJ International, 2005, 45, 997-1000.	1.4	13
77	Texture of Alumina by Neutron Diffraction and SEM-EBSD. Materials Science Forum, 2005, 495-497, 1395-1400.	0.3	12
78	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
79	Dense SiC containing strongly aligned plate-like grains by magnetic treatment. Ceramics International, 2015, 41, 5079-5084.	4.8	12
80	Effect of Al2O3 addition on texturing in a rotating strong magnetic field and densification of B4C. Ceramics International, 2019, 45, 18222-18228.	4.8	12
81	Textured Ti₃SiC₂ by gelcasting in a strong magnetic field. Journal of the Ceramic Society of Japan, 2012, 120, 544-547.	1.1	11
82	Fabrication and Analysis of the Oriented <scp><scp>LiCoO</scp></scp>₂ by Slip Casting in a Strong Magnetic Field. Journal of the American Ceramic Society, 2012, 95, 3428-3433.	3.8	11
83	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
84	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
85	AAO-template assisted synthesis and size control of one-dimensional TiO₂ nanomaterials. Journal of the Ceramic Society of Japan, 2013, 121, 915-918.	1.1	10
86	Fabrication and Mechanical Properties of Textured Ti₃SiC₂ Systems Using Commercial Powder. Materials Transactions, 2018, 59, 829-834.	1.2	10
87	Control of Texture in Electroceramics by Slip-Casting in a High Magnetic Field. Key Engineering Materials, 2003, 248, 191-194.	0.4	9
88	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
89	Microstructure Control of Barium Titanate â€“ Potassium Niobate Solid Solution System Ceramics by MPB Engineering and their Piezoelectric Properties. Key Engineering Materials, 2011, 485, 89-92.	0.4	9
90	Extended Distribution of Relaxation Time Analysis for Electrochemical Impedance Spectroscopy. Electrochemistry, 2022, 90, 017004-017004.	1.4	9

#	Article	IF	Citations
91	Synthesis of TiAl-Al₂Ti₄C₂ Composite by Reaction Milling. Materials Science Forum, 1995, 179-181, 189-194.	0.3	8
92	Cavity Damage Accumulation in Alumina Doped with Zirconia or Magnesia. Materials Science Forum, 1999, 304-306, 431-436.	0.3	8
93	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
94	Fabrication of the oriented LiCoO2 sheet using a strong magnetic field. Journal of the Ceramic Society of Japan, 2011, 119, 701-705.	1.1	8
95	Anisotropy in activation energy of textured LiCoO2 for the initial stage of sintering. Journal of the European Ceramic Society, 2013, 33, 1037-1044.	5.7	8
96	Sinterable powder fabrication of lanthanum silicate oxyapatite based on solid-state reaction method. Journal of the Ceramic Society of Japan, 2015, 123, 274-279.	1.1	8
97	Fabrication of (111)-oriented Tetragonal BaTiO₃ Ceramics by an Electrophoretic Deposition in a High Magnetic Field. Transactions of the Materials Research Society of Japan, 2015, 40, 223-226.	0.2	8
98	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
99	Fabrication of textured Î±-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
100	Triaxial Crystalline Orientation of MgTi₂O₅ Achieved Using a Strong Magnetic Field and Geometric Effect. Journal of the American Ceramic Society, 2016, 99, 1852-1854.	3.8	7
101	Vickers indentation tests on olivine: size effects. Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	7
102	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
103	Elastic isotropy originating from heterogeneous interlayer elastic deformation in a Ti3SiC2 MAX phase with a nanolayered crystal structure. Journal of the European Ceramic Society, 2021, 41, 2278-2289.	5.7	7
104	Synthesis of medium-entropy (Zr_{1/3}Hf_{1/3}Ta_{1/3})B₂ using the spark plasma consolidation of diboride powders. Journal of the Ceramic Society of Japan, 2020, 128, 977-980.	1.1	7
105	Sintering and Ionic Conductivity of CuO-Doped Tetragonal ZrO2 Prepared by Novel Colloidal Processing.. Journal of the Ceramic Society of Japan, 2001, 109, 1004-1009.	1.3	6
106	Colloidal Processing and Superplastic Properties of Fine-Grained Zirconia-Based Ceramics. Key Engineering Materials, 2001, 206-213, 645-648.	0.4	6
107	Texturing Ca-.ALPHA.-Sialon Via Strong Magnetic Field Alignment. Journal of the Ceramic Society of Japan, 2007, 115, 701-705.	1.1	6
108	Texturing of Si₃N₄ Ceramics via Strong Magnetic Field Alignment. Key Engineering Materials, 2008, 368-372, 871-874.	0.4	6

#	Article	IF	Citations
109	Magnetic field alignment in highly concentrated suspensions for gelcasting process. Ceramics International, 2016, 42, 294-301.	4.8	6
110	Fabrication and anisotropic electronic property for oriented Li1+â^'Nb1â^'â^'3Ti+4O3 solid solution by slip casting in a high magnetic field. Advanced Powder Technology, 2017, 28, 2373-2379.	4.1	6
111	Fabrication of âŒ©110âŒª grain-oriented 0.15BaTiO3â€“0.85(Bi0.5Na0.5)TiO3ceramics by a reactive templated grain growth method. Japanese Journal of Applied Physics, 2017, 56, 10PD06.	1.5	6
112	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
113	Effect of the Heating Rate on the Spark-Plasma-Sintering (SPS) of Transparent Y2O3 Ceramics: Microstructural Evolution, Mechanical and Optical Properties. Ceramics, 2021, 4, 56-69.	2.6	6
114	Enhanced ionic conductivity of aluminum tungstate by crystallographic orientation in a strong magnetic field. Journal of the American Ceramic Society, 2021, 104, 6364.	3.8	6
115	Cavity Formation and Growth in a Superplastic Alumina Containing Zirconia Particles. Materials Science Forum, 2001, 357-359, 193-198.	0.3	5
116	New Processing of Textured Ceramics by Colloidal Processing Under High Magnetic Field. Key Engineering Materials, 2005, 280-283, 721-728.	0.4	5
117	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
118	Anisotropic Electric Conductivity and Battery Performance in <i>C</i>-axis Oriented Lanthanum Silicate Oxyapatite Prepared by Slip Casting in a Strong Magnetic Field. Materials Transactions, 2019, 60, 1949-1953.	1.2	5
119	Advanced control of crystallographic orientation in ceramics by strong magnetic field. Journal of the Ceramic Society of Japan, 2020, 128, 1005-1012.	1.1	5
120	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
121	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
122	Preparation of Textured Li_{1+x-y}Nb_{1-x-3y}Ti_{x+4y}O₃ Solid Solution in a High Magnetic Field. Materials Science Forum, 0, 783-786, 2480-2484.	0.4	4
123	Magnesium ion distribution and defect concentrations of MgO-doped lanthanum silicate oxyapatite. Solid State Ionics, 2014, 258, 24-29.	2.7	4
124	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
125	Effect of ball-milling time and surfactant content for fabrication of 0.85(Bi_{0.5}Na_{0.5})TiO₃:0.15BaTiO₃ green ceramics by electrophoretic deposition. Journal of the Ceramic Society of Japan, 2018, 126, 542-546.	1.1	4
126	Fabrication of textured B4C 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

#	Article	IF	Citations
127	Fabrication of Textured BaTiO₃ 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
128	Cavitation Failure in a Superplastic Alumina with Zirconia-Particle Dispersion. Key Engineering Materials, 2000, 171-174, 763-770.	0.4	3
129	Superplastic Tensile Ductility in a Zirconia-Dispersed Alumina Produced by Colloidal Processing. Materials Science Forum, 1999, 304-306, 489-494.	0.3	3
130	Fabrication of Textured Alumina through Slip Casting in a High Magnetic Field and Heating. Key Engineering Materials, 2001, 206-213, 349-352.	0.4	3
131	Fabrication of Tailored Alumina-Based Ceramics Through Colloidal Processing. Key Engineering Materials, 2002, 224-226, 619-622.	0.4	3
132	Fabrication and Some Properties of Textured Ceramics by Colloidal Processing in High Magnetic Field. Key Engineering Materials, 2007, 352, 101-106.	0.4	3
133	Surface Modification of SiC Powder for Use in Electrophoretic Deposition. Key Engineering Materials, 0, 412, 287-290.	0.4	3
134	Evaluation of densification and grain-growth behavior during isothermal sintering of zirconia. Journal of the Ceramic Society of Japan, 2017, 125, 357-363.	1.1	3
135	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
136	Biomimetic macroscopic mesocrystalline films produced by oriented assembly of nanorods under magnetic field. Nanoscale, 2018, 10, 22161-22165.	5.6	3
137	Preparation of textured B₄C 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
138	Evaluation of thermal shock fracture resistance of B4C/CNT composites with a high-frequency induction-heating furnace. Materials Today: Proceedings, 2019, 16, 137-143.	1.8	3
139	Production of crystal-oriented lanthanum silicate oxyapatite ceramics with anisotropic electrical conductivity and thermal expansion. Open Ceramics, 2021, 6, 100100.	2.0	3
140	Fabrication of Textured Porous Ti₃SiC₂ by Slip Casting under High Magnetic Field and Microstructural Evolution through High Temperature Deformation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2021, 85, 256-263.	0.4	3
141	Fabrication of Textured Porous Ti₃SiC₂ by Slip Casting under High Magnetic Field and Microstructural Evolution through High Temperature Deformation. Materials Transactions, 2022, 63, 133-140.	1.2	3
142	Ultra-high temperature flexure and strain driven amorphization in polycrystalline boron carbide bulks. Scripta Materialia, 2022, 210, 114487.	5.2	3
143	Improvement of Thermoelectric Properties via Texturation Using a Magnetic Slip Casting Processâ€“The Illustrative Case of CrSi₂. Chemistry of Materials, 2022, 34, 1143-1156.	6.7	3
144	Highâ€temperature reactive synthesis of the Zrâ€“Ta multiboride with a supercomposite structure. Journal of the American Ceramic Society, 2022, 105, 6989-7002.	3.8	3

#	Article	IF	Citations
145	Looking for Positive Mixing Volume in Polyamide/Acrylic Rubber Blends with Use of Positron Annihilation Lifetime Spectroscopy and Other Methods. Materials Science Forum, 2004, 445-446, 277-279.	0.3	2
146	Control of Texture in Al₂O₃ Composites by Slip Casting in a Strong Magnetic Field Followed by Heating. Key Engineering Materials, 2004, 264-268, 245-248.	0.4	2
147	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
148	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
149	Electrophretic 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
150	Preparation and Dielectric Properties of Dense Barium Titanate Nanoparticle Accumulations by Electrophoresis Deposition Method. Key Engineering Materials, 2011, 485, 35-38.	0.4	2
151	Textured Ti₃SiC₂ by EPD in a Strong Magnetic Field. Key Engineering Materials, 0, 507, 15-19.	0.4	2
152	Microstructure Control of Potassium Niobate Porous Ceramics and their Sensor Properties. Key Engineering Materials, 0, 566, 241-244.	0.4	2
153	Fabrication of Textured Ti3SiC2 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
154	Synthesis of crystallographically oriented olivine aggregates using colloidal processing in a strong magnetic field. Physics and Chemistry of Minerals, 2016, 43, 689-706.	0.8	2
155	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
156	Effect of oxygen partial pressure during sintering on electric properties of BiFeO₃-based piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2019, 127, 383-387.	1.1	2
157	Partially-oriented MgB2 superconducting bulks with addition of B4C and cubic BN obtained by slip casting under high magnetic field and spark plasma sintering. Materials Research Bulletin, 2021, 134, 111103.	5.2	2
158	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
159	Effect of CNT addition and its orientation on thermal shock resistance of B₄C/CNT composites fabricated by hot-pressing. Journal of Asian Ceramic Societies, 2022, 10, 370-377.	2.3	2
160	Towards high degree of c-axis orientation in MgB2 bulks. Journal of Magnesium and Alloys, 2022, 10, 2173-2184.	11.9	2
161	High-Temperature Deformation of TiAl/Ti₂AlC Composites Produced by Reaction Milling. Materials Science Forum, 1996, 233-234, 295-302.	0.3	1
162	Microstructure and Superplasticity in Various Zirconia-Dispersed Aluminas.. Journal of the Ceramic Society of Japan, 2002, 110, 927-930.	1.3	1

#	Article	IF	Citations
163	Microstructural Design for Attaining High-Strain-Rate Superplasticity in Oxide Materials. Advances in Science and Technology, 2006, 45, 923.	0.2	1
164	Preparation and Properties of Al₂O₃-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
165	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
166	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
167	Preparation of Barium Titanate Grain-Oriented Ceramics and their Piezoelectric Properties. Key Engineering Materials, 0, 445, 3-6.	0.4	1
168	Synthesis, Microstructure and Mechanical Properties of ZrB₂ Ceramic Prepared by Mechanical Alloying and Spark Plasma Sintering. Key Engineering Materials, 2010, 434-435, 165-168.	0.4	1
169	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
170	Textured Ti₃SiC₂ by gelcasting in a strong magnetic field. Journal of the Ceramic Society of Japan, 2012, 120, 616-B-616-B.	1.1	1
171	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
172	Control of the Texture in Feeble Magnetic Ceramics Using Colloidal Processing in a Strong Magnetic Field. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2006, 53, 479-487.	0.2	1
173	Dispersion/Coagulation and Colloidal Processing of Ceramic Particles. Journal of the Society of Powder Technology, Japan, 2014, 51, 462-472.	0.1	1
174	Fabrication of Textured Ceramics Using Mn and Nb-doped Hexagonal BaTiO₃ by an Electrophoretic Deposition in a High Magnetic Field. Transactions of the Materials Research Society of Japan, 2014, 39, 199-202.	0.2	1
175	Fabrication and Anisotropic Electrical Property for Oriented Ceramic of Li-(Nb,Ta)-Ti-O System under High-magnetic Field. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 208-212.	0.2	1
176	Orientation Dependence of Plastic Deformation Behavior and Fracture Energy Absorption Mechanism around Vickers Indentation of Textured Ti₃SiC₂ Sintered Body. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 607-614.	0.2	1
177	Consolidation and highâ€temperature strength of monolithic lanthanum hexaboride. Journal of the American Ceramic Society, 0, , .	3.8	1
178	Anisotropic thermal expansion and ionic conductivity of a crystal-oriented, Mg2+-conducting NASICON-type solid electrolyte. Ceramics International, 2022, 48, 10733-10740.	4.8	1
179	Reactive consolidation and high-temperature strength of HfB2â€“SiB6. Journal of the European Ceramic Society, 2022, 42, 4783-4792.	5.7	1
180	High-Strain Rate Superplastic Zirconia Systems. Key Engineering Materials, 2004, 264-268, 285-288.	0.4	0

#	Article	IF	Citations
181	CONTROL OF PARTICLE ORIENTATION OF HYDROXYAPATITE UNDER A HIGH MAGNETIC FIELD. Phosphorus Research Bulletin, 2005, 19, 256-261.	0.6	0
182	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
183	Thermoelectric Properties and Magnetic Anisotropies of Magnetically Grain-Oriented Sr- or Bi-doped Ca3Co4O9 Thick Films. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
184	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
185	Hydrogen Storage Properties of Nb-Zr-Fe Alloys Disintegrated by Hydrogen Gas. Materials Science Forum, 2007, 534-536, 73-76.	0.3	0
186	Fabrication of Highly Microstructure Controlled Ceramics by Novel Colloidal Processing. Key Engineering Materials, 0, 336-338, 2372-2377.	0.4	0
187	Anelastic behavior of 8Y-FSZ/Al2O3 composite. Journal of Materials Science, 2008, 43, 6834-6839.	3.7	0
188	Textured PbTiO₃ Based Ceramics Fabricated by Slip Casting in a High Magnetic Field. Key Engineering Materials, 0, 421-422, 395-398.	0.4	0
189	Fabrication of Multi-Layered Thermoelectric Thick Films and their Thermoelectric Performance. Key Engineering Materials, 2009, 412, 291-296.	0.4	0
190	Control of Texture in Diamagnetic Ceramics by Using a Strong Magnetic Field. Materia Japan, 2009, 48, 321-326.	0.1	0
191	Preparation of Barium Titanate Nanoperticles with Necking Structure/Polymer Complex and their Dielectric Properties. Key Engineering Materials, 0, 582, 23-26.	0.4	0
192	Effect of Hydrothermal Treatment on the Piezoelectric Response of Oriented Barium Titanate Ceramics. Key Engineering Materials, 2013, 566, 45-49.	0.4	0
193	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
194	Surface Modification of Complex Oxide Powder with Polyelectrolyte Layers Improving EPD Characteristics. Key Engineering Materials, 0, 654, 255-260.	0.4	0
195	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
196	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
197	Orientation Control and Anisotropy Evaluation of SLFC(Sr_{3-x}La_xFe_{2-y}Co_yO<sub>7-Î& Layered Perovskite Mixed Ionicâ€“Electronic Conductor. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 114-120.	0.2	0
198	Anisotropic Electronic Conductivity and Battery Performance in C-axis Oriented Lanthanum Silicate Oxyapatite Prepared by Slip Casting in a Strong Magnetic Field. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 121-126.	0.2	0

#	Article	IF	Citations
199	Development of Functional Properties in Ceramics by Microstructure Control Using a Magnetic Field. Journal of the Society of Powder Technology, Japan, 2017, 54, 41-45.	0.1	0
200	Development of Laser Optical Elements by Spark Plasma Sintering Technique. The Review of Laser Engineering, 2019, 47, 448.	0.0	0
201	Effect of Powder Calcination Conditions on IR Transmission in Y₂O₃-MgO Nanocomposites Fabricated by Pulsed Electric Current Sintering Technique. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2021, 68, 500-506.	0.2	0
202	pH-controlled synthesis and spark plasma sintering of fine and homogeneous MgZr₄(PO₄)₆ powder. Journal of the Ceramic Society of Japan, 2022, 130, 243-248.	1.1	0