

Gary L Messing

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134
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45
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137
ext. papers

6,722
ext. citations

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avg, IF

5.77
L-index

#	Paper	IF	Citations
134	Controlled Transformation and Sintering of a Boehmite Sol-Gel by α -Alumina Seeding. <i>Journal of the American Ceramic Society</i> , 1985 , 68, 500-505	3.8	291
133	Texture Development by Templated Grain Growth in Liquid-Phase-Sintered α -Alumina. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1181-1188	3.8	229
132	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11457-61	16.4	229
131	Constrained Densification of Alumina/Zirconia Hybrid Laminates, I: Experimental Observations of Processing Defects. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1929-1939	3.8	173
130	Solid-State Reactive Sintering of Transparent Polycrystalline Nd:YAG Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1945-1950	3.8	170
129	Microwave Sintering of Alumina at 2.45 GHz. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1307-1312	3.8	160
128	Materials science. Toward pore-free ceramics. <i>Science</i> , 2008 , 322, 383-4	33.3	153
127	Enhanced Densification of Boehmite Sol-Gels by α -Alumina Seeding. <i>Journal of the American Ceramic Society</i> , 1984 , 67, c230-c231	3.8	151
126	Metal Organic Resin Derived Barium Titanate: I, Formation of Barium Titanium Oxycarbonate Intermediate. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 617-624	3.8	150
125	Synthesis of Solid, Spherical Zirconia Particles by Spray Pyrolysis. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 61-67	3.8	148
124	Epitactic Nucleation of Spinel in Aluminosilicate Gels and Its Effect on Mullite Crystallization. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2374-2381	3.8	134
123	Hot Isostatic Pressing of Transparent Nd:YAG Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1456-1463	3.8	131
122	Fabrication and Electrical Properties of Textured Sr _{0.53} Ba _{0.47} Nb ₂ O ₆ Ceramics by Templated Grain Growth. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2203-2213	3.8	130
121	(Reactive) Templated Grain Growth of Textured Sodium Bismuth Titanate (Na _{1/2} Bi _{1/2} TiO ₃ -BaTiO ₃) Ceramics—Dielectric and Piezoelectric Properties 2003 , 11, 217-226		125
120	Dielectric and piezoelectric properties of <001> fiber-textured 0.675Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.325PbTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2003 , 93, 4072-4080	2.5	120
119	High Strain, <001> Textured 0.675Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.325PbTiO ₃ Ceramics: Templated Grain Growth and Piezoelectric Properties. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 312-317	3.8	120
118	(Reactive) Templated Grain Growth of Textured Sodium Bismuth Titanate (Na _{1/2} Bi _{1/2} TiO ₃ -BaTiO ₃) Ceramics—Processing 2003 , 11, 207-215		115

117	Effect of SiO ₂ on Densification and Microstructure Development in Nd:YAG Transparent Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1380-1387	3.8	113
116	<001> textured (K _{0.5} Na _{0.5})(Nb _{0.97} Sb _{0.03})O ₃ piezoelectric ceramics with high electromechanical coupling over a broad temperature range. <i>Applied Physics Letters</i> , 2009 , 95, 232905	3.4	106
115	Transformation, Microstructure Development, and Densification in α -Fe ₂ O ₃ -Seeded Boehmite-Derived Alumina. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 214-222	3.8	104
114	Constrained Densification of Alumina/Zirconia Hybrid Laminates, II: Viscoelastic Stress Computation. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1940-1948	3.8	97
113	Anisotropic Grain Growth in Diphasic-Gel-Derived Titania-Doped Mullite. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1269-1277	3.8	85
112	Hybrid Gels for Homoepitactic Nucleation of Mullite. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1725-1729	3.8	85
111	Effect of Seeding and Water Vapor on the Nucleation and Growth of β -Al ₂ O ₃ from α -Al ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 1999 , 82, 825-832	3.8	83
110	Kinetics of Templated Grain Growth of 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.35PbTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2001 , 84, 2507-2513	3.8	81
109	Critical Factors in the Templated Grain Growth of Textured Reaction-Bonded Alumina. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2041-2048	3.8	78
108	Development of Textured Mullite by Templated Grain Growth. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 867-872	3.8	74
107	Texture-engineered ceramics: Property enhancements through crystallographic tailoring. <i>Journal of Materials Research</i> , 2017 , 32, 3219-3241	2.5	73
106	Kinetic Analysis of Solution-Precipitation During Liquid-Phase Sintering of Alumina. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 275-281	3.8	70
105	Determination of the Mechanical Response of Sintering Compacts by Cyclic Loading Dilatometry. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 445-452	3.8	66
104	Processing and Properties of Cellular Silica Synthesized by Foaming Sol-Gels. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 85-90	3.8	63
103	Enhanced Electromechanical Properties and Temperature Stability of Textured (K _{0.5} Na _{0.5})NbO ₃ -Based Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2494-2498	3.8	61
102	Constrained Sintering of Low-Temperature Co-Fired Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1923-1929	3.8	59
101	Texture Development and Microstructure Evolution in Liquid-Phase-Sintered α -Alumina Ceramics Prepared by Templated Grain Growth. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 3109-3116	3.8	56
100	Densification and Sintering Viscosity of Low-Temperature Co-Fired Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2681-2689	3.8	54

99	Fabrication of Oriented SiC-Whisker-Reinforced Mullite Matrix Composites by Tape Casting. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2586-2592	3.8	54
98	Mullite Transformation Kinetics in P2O5-, TiO2-, and B2O3-Doped Aluminosilicate Gels. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1551-1559	3.8	53
97	Enhanced electromechanical properties and phase transition temperatures in [001] textured Pb(In1/2Nb1/2)O3-Pb(Mg1/3Nb2/3)O3-PbTiO3 ternary ceramics. <i>Applied Physics Letters</i> , 2015 , 107, 082902	3.4	52
96	Microstructure development and piezoelectric properties of highly textured CuO-doped KNN by templated grain growth. <i>Journal of Materials Research</i> , 2010 , 25, 687-694	2.5	51
95	Co-casting and optical characteristics of transparent segmented composite Er:YAG laser ceramics. <i>Journal of Materials Research</i> , 2010 , 25, 476-483	2.5	51
94	Liquid-Phase-Assisted Transformation of Seeded α -Alumina. <i>Journal of the American Ceramic Society</i> , 1988 , 71, 317-322	3.8	50
93	Processing, texture quality, and piezoelectric properties of C textured (1-x)Pb(Mg1/3Nb2/3)TiO3 - xPbTiO3 ceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 014105	2.5	47
92	Low-Temperature Sintering of Seeded Sol-Gel-Derived, ZrO2-Toughened Al2O3 Composites. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 40-44	3.8	46
91	Low temperature, transient liquid phase sintering of B2O3-SiO2-doped Nd:YAG transparent ceramics. <i>Journal of Materials Research</i> , 2011 , 26, 1151-1158	2.5	45
90	Low-Temperature Reactive Sintering of 0.65PMN/0.35PT. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 648-650	3.8	45
89	Inhomogeneity-Packing Density Relations in Binary powders. <i>Journal of the American Ceramic Society</i> , 1978 , 61, 1-5	3.8	45
88	Comparison of Texture Analysis Techniques for Highly Oriented α -Al2O3. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2049-2054	3.8	44
87	Processing and mechanical response of highly textured Al2O3. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2917-2925	6	43
86	Kinetic Analysis of Combustion Synthesis of Lead Magnesium Niobate from Metal Carboxylate Gels. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 915-924	3.8	43
85	Formation mechanism of highly [0 0 1] c textured Pb(In 1/2 Nb 1/2)O 3 -Pb(Mg 1/3 Nb 2/3)O 3 -PbTiO 3 relaxor ferroelectric ceramics with giant piezoelectricity. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 1973-1981	6	43
84	Templated Grain Growth of Textured PMN-28PT Using SrTiO3 Templates. <i>Journal of the American Ceramic Society</i> , 2009 , 92, S133-S139	3.8	42
83	Templated Grain Growth in Macroporous Materials. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1736-1742	3.8	40
82	Texture Measurements in <001> Fiber-Oriented PMN/PT. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1965-1971	3.8	40

81	Dielectric and piezoelectric properties of textured Sr _{0.53} Ba _{0.47} Nb ₂ O ₆ ceramics prepared by templated grain growth. <i>Journal of Materials Research</i> , 2002 , 17, 2399-2409	2.5	40
80	Solid-Phase Epitaxy of Boehmite-Derived α -Alumina on Hematite Seed Crystals. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 864-867	3.8	40
79	Enhanced texture evolution and piezoelectric properties in CuO-doped Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ grain-oriented ceramics. <i>Applied Physics Letters</i> , 2017 , 111, 232901	3.4	38
78	Preparation of Alumina-Zirconia Powders by Evaporative Decomposition of Solutions. <i>Journal of the American Ceramic Society</i> , 1984 , 67, c92-c93	3.8	38
77	Bending Creep Test to Measure the Viscosity of Porous Materials during Sintering. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 877-882	3.8	36
76	Submicrometer Transparent Alumina by Sinter Forging Seeded α -Al ₂ O ₃ Powders. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 491-589	3.8	36
75	Processing and Microstructure Development in Alumina/Silicon Carbide Intragranular Particulate Composites. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2157-2164	3.8	35
74	Metal Organic Resin Derived Barium Titanate; II, Kinetics of BaTiO ₃ Formation. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2940-2948	3.8	34
73	Particle size effects on yttrium aluminum garnet (YAG) phase formation by solid-state reaction. <i>Journal of Materials Research</i> , 2014 , 29, 2303-2311	2.5	33
72	Sintering of Mixtures of Seeded Boehmite and Ultrafine α -Alumina. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 82-88	3.8	32
71	Seeding with α -Alumina for Transformation and Microstructure Control in Boehmite-Derived α -Alumina. <i>Journal of the American Ceramic Society</i> , 1986 , 69, C-98-C-101	3.8	32
70	Grain Boundaries in Titania-Doped α -Alumina with Anisotropic Microstructure. <i>Journal of the American Ceramic Society</i> , 1997 , 80, 2814-2820	3.8	31
69	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie</i> , 2016 , 128, 11629-11633	3.6	30
68	Processing and Electrical Properties of 0.5Pb(Yb _{1/2} Nb _{1/2})O ₃ -0.5PbTiO ₃ Ceramics 2003 , 10, 47-55		30
67	Inhomogeneity-Packing Density Relations in Binary Powders/Experimental Studies. <i>Journal of the American Ceramic Society</i> , 1978 , 61, 363-366	3.8	30
66	Stresses and Distortion Due to Green Density Gradients During Densification. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3027-3033	3.8	29
65	Liquid-Phase Sintering of Alumina Coated with Magnesium Aluminosilicate Glass. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1163-1172	3.8	27
64	Fabrication of Highly Textured Fine-Grained α -Alumina by Templated Grain Growth of Nanoscale Precursors. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1390-1397	3.8	26

63	Measurement of Viscosity of Densifying Glass-Based Systems by Isothermal Cyclic Loading Dilatometry. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 192-196	3.8	26
62	Color center formation in vacuum sintered Nd ₃ Y ₃ BxAl ₅ O ₁₂ transparent ceramics. <i>Applied Physics Letters</i> , 2011 , 98, 051906	3.4	24
61	Design of alumina-zirconia composites with spatially tailored strength and toughness. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 631-640	6	23
60	Sintering Arches for Cosintering Camber-Free SOFC Multilayers. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 421-427	3.8	23
59	Texturing of mullite by templated grain growth with aluminum borate whiskers. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2495-2501	6	23
58	The Reaction-Bonded Aluminum Oxide Process: I, The Effect of Attrition Milling on the Solid-State Oxidation of Aluminum Powder. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 299-305	3.8	22
57	Alumina Monolith Formation by Flocculation of Boehmite Sols. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1719-1721	3.8	22
56	Improved Fracture Behavior of Alumina Microstructural Composites with Highly Textured Compressive Layers. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3643-3651	3.8	21
55	Seeding of Perovskite Lead Magnesium Niobate Crystallization from Pb-Mg-Nb-EDTA Gels. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 1659-1664	3.8	21
54	Synthesis of Ceramic Powders from Metal Alkoxides. <i>Journal of the Ceramic Society of Japan</i> , 1991 , 99, 1036-1046		21
53	In Situ Observations of Templated Grain Growth in (Na _{0.5} K _{0.5}) _{0.98} Li _{0.02} NbO ₃ Piezoceramics: Texture Development and Template-Matrix Interactions. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2653-2659	3.8	19
52	Fracture Behavior of Layered Alumina Microstructural Composites with Highly Textured Layers. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1577-1585	3.8	19
51	Synthesis of High Aspect Ratio PbBi ₄ Ti ₄ O ₁₅ and Topochemical Conversion to PbTiO ₃ -Based Microplatelets. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2323-2329	3.8	19
50	The role of ceramic and glass science research in meeting societal challenges: Report from an NSF-sponsored workshop. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1777-1803	3.8	17
49	Modeling Anisotropic Single Crystal Growth Kinetics in Liquid Phase Sintered α -Al ₂ O ₃ . <i>Journal of Materials Science</i> , 2000 , 8, 257-267		16
48	SiC-Whisker-Reinforced Cellular SiO ₂ Composites. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3497-3499	3.8	16
47	Effect of Green Density on the Thermomechanical Properties of a Ceramic During Sintering. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2448-2452	3.8	15
46	Synthesis of Barium Titanate by a Basic pH Pechini Process. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 271, 95		15

45	Sintering of Inhomogeneous Binary Powder Mixtures. <i>Journal of the American Ceramic Society</i> , 1981 , 64, 468-472	3.8	15
44	A critical evaluation of reactive templated grain growth (RTGG) mechanisms in highly [001] textured Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ ferroelectric-thermoelectrics. <i>Journal of Materials Research</i> , 2011 , 26, 3044-3050 ¹³	2.5	13
43	Tailoring particle alignment and grain orientation during tape casting and templated grain growth. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 2405-2414	3.8	13
42	Low temperature reactive sintering of CuO-doped PIN-PMN-PT ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4719-4726	6	12
41	Aging associated domain evolution in the orthorhombic phase of <001> textured (K _{0.5} Na _{0.5})Nb _{0.97} Sb _{0.03} O ₃ ceramics. <i>Applied Physics Letters</i> , 2012 , 100, 132902	3.4	12
40	Direct foaming and seeding of highly porous, lightweight gypsum. <i>Journal of Materials Research</i> , 2016 , 31, 2244-2251	2.5	12
39	The Effects of Na ₂ O and SiO ₂ on Liquid Phase Sintering of Bayer Al ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2267-2272	3.8	11
38	First-Principles Thermochemistry and Thermodynamic Modeling of the Al ₂ O ₃ -Nd ₂ O ₃ -SiO ₂ -ZrO ₂ Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 4158-4167	3.8	11
37	First-Principles Calculations and Thermodynamic Modeling of the Al ₂ O ₃ -Nd ₂ O ₃ System. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3355-3361	3.8	11
36	Effect of phase separation in metal carboxylate gels on perovskite lead magnesium niobate crystallization. <i>Journal of Materials Research</i> , 1999 , 14, 3921-3931	2.5	11
35	A Method for Preparation of Unsupported Sol-Gel Thin Films. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-222-C-224	3.8	11
34	Design of damage tolerant and crack-free layered ceramics with textured microstructure. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 427-435	6	11
33	Textured Mn-doped PIN-PMN-PT Ceramics: Harnessing Intrinsic Piezoelectricity for High-power Transducer Applications. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1270-1279	6	11
32	Low-field dynamic magnetic alignment and templated grain growth of diamagnetic PMNBT ceramics. <i>Journal of Materials Research</i> , 2013 , 28, 2960-2969	2.5	8
31	Gas Diffusion During Containerless Hot Isostatic Pressing of Liquid-Phase Sintered Ceramics. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1011-1015	3.8	8
30	Densification and properties of oxygen sintered CuO-doped PIN-PMN-PT ceramics. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 3956-3964	6	8
29	Dispersion and rheology for direct writing lead-based piezoelectric ceramic pastes with anisotropic template particles. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6157-6168	3.8	8
28	Mn- and Mn/Cu-doped PIN-PMN-PT piezoelectric ceramics for high-power transducers. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6319-6329	3.8	7

27	Fabrication and properties of radially <001>C textured PMN-PT cylinders for transducer applications. <i>Journal of Applied Physics</i> , 2012 , 112, 014105	2.5	7
26	Direct writing of textured ceramics using anisotropic nozzles. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1945-1953	6	7
25	Templated grain growth of high coercive field CuO-doped textured PYN-PMN-PT ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6149-6156	3.8	6
24	Dry pressing boehmite gels for the fabrication of monolithic α -Al ₂ O ₃ . <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 9, 53-64	2.3	6
23	Seeding of the Reaction-Bonded Aluminum Oxide Process. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 657-659	3.8	6
22	Hybrid Gels Designed for Mullite Nucleation and Crystallization Control. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 180, 515		6
21	The Reaction-Bonded Aluminum Oxide (RBAO) Process: II, The Solid-State Oxidation of RBAO Compacts. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1845-1852	3.8	5
20	Powder chemistry effects on the sintering of MgO-doped specialty Al ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2739-2751	3.8	4
19	Thermomechanical Behavior of Ceramic Green Bodies During Presintering. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2611-2616	3.8	4
18	Preparation and Fracture Behavior of Alumina Platelet Reinforced Alumina-Monazite Composites. <i>Materials Transactions</i> , 2002 , 43, 3262-3265	1.3	4
17	Interfacial precipitation in titania-doped diphasic mullite gels. <i>Journal of Materials Research</i> , 1998 , 13, 974-978	2.5	4
16	Preparation of Unsupported Metal Organic and Ceramic Thin Film Specimens for TEM Observation. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1882-1884	3.8	4
15	Metastable solid solution extension of mullite by rapid solidification. <i>Journal of Materials Research</i> , 1988 , 3, 375-379	2.5	4
14	Reactive-Phase Calsintering of Calcium-Carbonate-Derived Lime. <i>Journal of the American Ceramic Society</i> , 1984 , 67, C-109-C-111	3.8	4
13	Constitutive Model for Dry Cohesive Powders with Application to Powder Compaction. <i>KONA Powder and Particle Journal</i> , 1995 , 13, 135-150	3.4	3
12	Relationship between composition and electromechanical properties of CuO-doped textured PYN-PMN-PT ceramics. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1230-1235	6	3
11	Electric field induced splitting of the preferred orientation in PMN-PT textured ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5038-5044	3.8	2
10	Texture analysis of thick bismuth ferrite lead titanate layers 2014 ,		1

9	Synchrotron texture analysis of thick BiFeO ₃ -PbTiO ₃ layers synthesised by tape casting using Aurivillius and non-Aurivillius templates 2012 ,		1
8	Pb ²⁺ -stabilized Ruddlesden-Popper (Sr _{1-x} Pb _x) ₃ Ti ₂ O ₇ ceramics. <i>Journal of Materials Research</i> , 2016 , 31, 1456-1465	2.5	1
7	ZnO-activated formation of phase pure perovskite Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Zn _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ powder. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3932-3939	3.8	1
6	Additive manufacturing of textured ceramics: A review. <i>Journal of Materials Research</i> , 1	2.5	0
5	Processing and electromechanical properties of high-coercive field ZnO-doped PIN-PZN-PT ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4794-4802	3.8	
4	Ceramic Processing Science. <i>Journal of the American Ceramic Society</i> , 2009 , 92, S1-S1	3.8	
3	Pressureless Co-Sintering of Al ₂ O ₃ /ZrO ₂ Multilayers and Bilayers. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 434, 93		
2	Texture Development in Reaction-Bonded Alumina (Rbao) Ceramics Via Templated Grain Growth. <i>Ceramic Engineering and Science Proceedings</i> , 71-78	0.1	
1	Oxidation and Transport Phenomena in the Reaction-Bonded Aluminum Oxide (Rbao) Process. <i>Ceramic Engineering and Science Proceedings</i> , 79-86	0.1	