

Gary L Messing

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7213267/gary-l-messing-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

6,228
citations

45
h-index

75
g-index

137
ext. papers

6,722
ext. citations

4
avg, IF

5.77
L-index

#	Paper	IF	Citations
134	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
133	Direct writing of textured ceramics using anisotropic nozzles. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1945-1953	6	7
132	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
131	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	
130	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
129	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
128	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
127	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
126	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
125	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
124	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
123	ZnO-activated formation of phase pure perovskite $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ powder. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3932-3939	3.8	1
122	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
121	Powder chemistry effects on the sintering of MgO-doped specialty Al_2O_3 . <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2739-2751	3.8	4
120	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
119	Enhanced texture evolution and piezoelectric properties in CuO-doped $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ grain-oriented ceramics. <i>Applied Physics Letters</i> , 2017 , 111, 232901	3.4	38
118	Texture-engineered ceramics: Property enhancements through crystallographic tailoring. <i>Journal of Materials Research</i> , 2017 , 32, 3219-3241	2.5	73

117	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie</i> , 2016 , 128, 11629-11633	3.6	30
116	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
115	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
114	Direct foaming and seeding of highly porous, lightweight gypsum. <i>Journal of Materials Research</i> , 2016 , 31, 2244-2251	2.5	12
113	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
112	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11457-61	16.4	229
111	Enhanced electromechanical properties and phase transition temperatures in [001] textured Pb(In ^{1/2} Nb ^{1/2})O ₃ -Pb(Mg ^{1/3} Nb ^{2/3})O ₃ -PbTiO ₃ ternary ceramics. <i>Applied Physics Letters</i> , 2015 , 107, 082902	3.4	52
110	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
109	Templated Grain Growth in Macroporous Materials. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1736-1742	3.8	40
108	Texture analysis of thick bismuth ferrite lead titanate layers 2014 ,		1
107	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
106	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
105	Fabrication of Highly Textured Fine-Grained Alumina by Templated Grain Growth of Nanoscale Precursors. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1390-1397	3.8	26
104	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
103	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
102	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
101	Synchrotron texture analysis of thick BiFeO ₃ -PbTiO ₃ layers synthesised by tape casting using Aurivillius and non-Aurivillius templates 2012 ,		1
100	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

99	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
98	Processing, texture quality, and piezoelectric properties of C textured (1-x)Pb(Mg _{1/3} Nb _{2/3})TiO ₃ - xPbTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 014105	2.5	47
97	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
96	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
95	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
94	Low temperature, transient liquid phase sintering of B ₂ O ₃ -SiO ₂ -doped Nd:YAG transparent ceramics. <i>Journal of Materials Research</i> , 2011 , 26, 1151-1158	2.5	45
93	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
92	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
91	Thermomechanical Behavior of Ceramic Green Bodies During Presintering. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2611-2616	3.8	4
90	First-Principles Thermochemistry and Thermodynamic Modeling of the Al ₂ O ₃ -Nd ₂ O ₃ -Bi ₂ O ₃ -ZrO ₂ Pseudoquaternary System. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 4158-4167	3.8	11
89	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
88	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
87	Processing and mechanical response of highly textured Al ₂ O ₃ . <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2917-2925	6	43
86	<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
85	Templated Grain Growth of Textured PMN-28PT Using SrTiO ₃ Templates. <i>Journal of the American Ceramic Society</i> , 2009 , 92, S133-S139	3.8	42
84	Ceramic Processing Science. <i>Journal of the American Ceramic Society</i> , 2009 , 92, S1-S1	3.8	
83	Hot Isostatic Pressing of Transparent Nd:YAG Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1456-1463	3.8	131
82	Materials science. Toward pore-free ceramics. <i>Science</i> , 2008 , 322, 383-4	3.3	153

81	Sintering Arches for Cosintering Camber-Free SOFC Multilayers. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 421-427	3.8	23
80	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
79	Texture Measurements in <001> Fiber-Oriented PMNBT. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1965-1971	3.8	40
78	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
77	Constrained Sintering of Low-Temperature Co-Fired Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1923-1929	3.8	59
76	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
75	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
74	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
73	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
72	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
71	Mullite Transformation Kinetics in P ₂ O ₅ -, TiO ₂ -, and B ₂ O ₃ -Doped Aluminosilicate Gels. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1551-1559	3.8	53
70	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
69	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
68	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
67	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
66	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
65	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
64	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

63	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
62	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
61	Comparison of Texture Analysis Techniques for Highly Oriented α -Al ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2049-2054	3.8	44
60	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
59	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
58	Processing and Electrical Properties of 0.5Pb(Yb _{1/2} Nb _{1/2})O ₃ -0.5PbTiO ₃ Ceramics 2003 , 10, 47-55		30
57	(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
56	(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
55	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
54	Microwave Sintering of Alumina at 2.45 GHz. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1307-1313	3.8	160
53	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
52	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
51	Preparation and Fracture Behavior of Alumina Platelet Reinforced Alumina-Monazite Composites. <i>Materials Transactions</i> , 2002 , 43, 3262-3265	1.3	4
50	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
49	Low-Temperature Reactive Sintering of 0.65PMN-0.35PT. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 648-650	3.8	45
48	Seeding of the Reaction-Bonded Aluminum Oxide Process. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 657-659	3.8	6
47	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
46	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

45	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
44	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
43	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
42	Effect of Seeding and Water Vapor on the Nucleation and Growth of α -Al ₂ O ₃ from β -Al ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 1999 , 82, 825-832	3.8	83
41	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
40	Development of Textured Mullite by Templated Grain Growth. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 867-872	3.8	74
39	Interfacial precipitation in titania-doped diphasic mullite gels. <i>Journal of Materials Research</i> , 1998 , 13, 974-978	2.5	4
38	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
37	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
36	Pressureless Co-Sintering of Al ₂ O ₃ /ZrO ₂ Multilayers and Bilayers. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 434, 93		
35	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
34	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
33	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
32	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
31	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
30	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
29	Transformation, Microstructure Development, and Densification in β -Fe ₂ O ₃ -Seeded Boehmite-Derived Alumina. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 214-222	3.8	104
28	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

27	Synthesis of Barium Titanate by a Basic pH Pechini Process. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 271, 95		15
26	Synthesis of Ceramic Powders from Metal Alkoxides. <i>Journal of the Ceramic Society of Japan</i> , 1991 , 99, 1036-1046		21
25	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
24	Hybrid Gels Designed for Mullite Nucleation and Crystallization Control. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 180, 515		6
23	Synthesis of Solid, Spherical Zirconia Particles by Spray Pyrolysis. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 61-67	3.8	148
22	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
21	SiC-Whisker-Reinforced Cellular SiO ₂ Composites. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3497-3499	3.8	16
20	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
19	Low-Temperature Sintering of Seeded Sol-Gel-Derived, ZrO ₂ -Toughened Al ₂ O ₃ Composites. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 40-44	3.8	46
18	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
17	Alumina Monolith Formation by Flocculation of Boehmite Sols. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1719-1721	3.8	22
16	Hybrid Gels for Homoepitactic Nucleation of Mullite. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1725-1729	3.8	85
15	Solid-Phase Epitaxy of Boehmite-Derived γ -Alumina on Hematite Seed Crystals. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 864-867	3.8	40
14	Liquid-Phase-Assisted Transformation of Seeded γ -Alumina. <i>Journal of the American Ceramic Society</i> , 1988 , 71, 317-322	3.8	50
13	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
12	Metastable solid solution extension of mullite by rapid solidification. <i>Journal of Materials Research</i> , 1988 , 3, 375-379	2.5	4
11	Seeding with γ -Alumina for Transformation and Microstructure Control in Boehmite-Derived γ -Alumina. <i>Journal of the American Ceramic Society</i> , 1986 , 69, C-98-C-101	3.8	32
10	Controlled Transformation and Sintering of a Boehmite Sol-Gel by γ -Alumina Seeding. <i>Journal of the American Ceramic Society</i> , 1985 , 68, 500-505	3.8	291

9	Enhanced Densification of Boehmite Sol-Gels by Alumina Seeding. <i>Journal of the American Ceramic Society</i> , 1984 , 67, c230-c231	3.8	151
8	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
7	Reactive-Phase Sintering of Calcium-Carbonate-Derived Lime. <i>Journal of the American Ceramic Society</i> , 1984 , 67, C-109-C-111	3.8	4
6	Sintering of Inhomogeneous Binary Powder Mixtures. <i>Journal of the American Ceramic Society</i> , 1981 , 64, 468-472	3.8	15
5	Inhomogeneity-Packing Density Relations in Binary Powders. <i>Journal of the American Ceramic Society</i> , 1978 , 61, 1-5	3.8	45
4	Inhomogeneity-Packing Density Relations in Binary Powders Experimental Studies. <i>Journal of the American Ceramic Society</i> , 1978 , 61, 363-366	3.8	30
3	Additive manufacturing of textured ceramics: A review. <i>Journal of Materials Research</i> , 1	2.5	0
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	