Jau-Ho Jean

List of Publications by Year
in descending order

73	1,869	236612	276539
papers	citations	25 h-index	41 g-index

75	75	75	1109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallization Kinetics and Mechanism of Lowâ€Dielectric, Lowâ€Temperature, Cofirable CaOâ€B₂O₃â€SiO₂ Glassâ€Ceramics. Journal of the American Ceramic Society, 1999, 82, 1725-1732.	1.9	152
2	Effects of Silverâ€Paste Formulation on Camber Development during the Cofiring of a Silverâ€Based, Lowâ€Temperatureâ€Cofired Ceramic Package. Journal of the American Ceramic Society, 1998, 81, 2805-2814.	1.9	89
3	Dispersion of Aqueous Barium Titanate Suspensions with Ammonium Salt of Poly(methacrylic acid). Journal of the American Ceramic Society, 1998, 81, 1589-1599.	1.9	87
4	Dispersion of Nano-Sized gamma-Alumina Powder in Non-Polar Solvents. Journal of the American Ceramic Society, 2006, 89, 882-887.	1.9	66
5	Devitrification Kinetics and Mechanism of K₂Oâ€“CaOâ€“SrOâ€“BaOâ€“B₂O₃â€“SiO₂ Glassâ€Ceramic. Journal of the American Ceramic Society, 2001, 84, 1354-1360.	1.9	62
6	Camber development during cofiring Ag-based low-dielectric-constant ceramic package. Journal of Materials Research, 1997, 12, 2743-2750.	1.2	61
7	Lowâ€Fire Processing of ZrO₂â€“SnO₂â€“TiO₂ Ceramics. Journal of the American Ceramic Society, 2000, 83, 1417-1422.	1.9	61
8	Effects of Lead(II) Oxide on Processing and Properties of Lowâ€Temperatureâ€Cofirable Niâ€Cuâ€Zn Ferrite. Journal of the American Ceramic Society, 1999, 82, 343-350.	1.9	58
9	Effect of Densification Mismatch on Camber Development during Cofiring of Nickelâ€Based Multilayer Ceramic Capacitors. Journal of the American Ceramic Society, 1997, 80, 2401-2406.	1.9	58
10	Cofiring Kinetics and Mechanisms of an Agâ€Metallized Ceramicâ€Filled Glass Electronic Package. Journal of the American Ceramic Society, 1997, 80, 3084-3092.	1.9	55
11	Stress Development during Constrained Sintering of Alumina/Glass/Alumina Sandwich Structure. Journal of the American Ceramic Society, 2002, 85, 335-340.	1.9	53
12	Effects of Solids Loading, pH, and Polyelectrolyte Addition on the Stabilization of Concentrated Aqueous BaTiO₃ Suspensions. Journal of the American Ceramic Society, 2000, 83, 277-280.	1.9	50
13	Low-Fire NiOâ€“CuOâ€“ZnO Ferrite with Bi2O3. Japanese Journal of Applied Physics, 1999, 38, 3508-3512.	0.8	49
14	Principles of the development of a silica dielectric for microelectronics packaging. Journal of Materials Research, 1996, 11, 243-263.	1.2	46
15	Low-Fire Processing of Microwave BaTi4O9 Dielectric with BaO-ZnO-B2O3 Glass. Journal of the American Ceramic Society, 2006, 89, 786-791.	1.9	46
16	Stabilization of aqueous BaTiO3 suspensions with ammonium salt of poly(acrylic acid) at various pH values. Journal of Materials Research, 1998, 13, 2245-2250.	1.2	42
17	Constrained Sintering of Silver Circuit Paste. Journal of the American Ceramic Society, 2004, 87, 187-191.	1.9	42
18	Constrained Densification Kinetics of Alumina/Borosilicate Glass + Alumina/Alumina Sandwich Structure. Journal of the American Ceramic Society, 2002, 85, 150-154.	1.9	38

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19	Sintering of a Crystallizable CaO-B2O3-SiO2 Glass with Silver. Journal of the American Ceramic Society, 2004, 87, 1244-1249.	1.9	37
20	Effects of Borosilicate Glass on Densification and Properties of Borosilicate Glass + TiO₂ Ceramics. Journal of Materials Research, 1999, 14, 1359-1363.	1.2	35
21	Adsorption of Poly(vinyl butyral) in Nonaqueous Ferrite Suspensions. Journal of Materials Research, 1997, 12, 1062-1068.	1.2	33
22	Key Factors Controlling Camber Behavior During the Cofiring of Bi-Layer Ceramic Dielectric Laminates. Journal of the American Ceramic Society, 2005, 88, 2429-2434.	1.9	31
23	Organic Distributions in Dried Alumina Green Tape. Journal of the American Ceramic Society, 2001, 84, 267-72.	1.9	29
24	Formulation and dispersion of NiCuZn ferrite paste. Materials Chemistry and Physics, 2003, 78, 323-329.	2.0	27
25	Lowâ€Fire Processing (Ca_{1â^'x}Nd_{2x/3})TiO₃ Microwave Ceramics. Journal of the American Ceramic Society, 2003, 86, 93-98.	1.9	26
26	Y₂O₂S:Eu Red Phosphor Powders Coated with Silica. Journal of the American Ceramic Society, 2000, 83, 1928-1934.	1.9	26
27	Devitrification inhibitors in borosilicate glass and binary borosilicate glass composite. Journal of Materials Research, 1995, 10, 1312-1320.	1.2	24
28	Interactions of Organic Additives with Boric Oxide in Aqueous Barium Titanate Suspensions. Journal of the American Ceramic Society, 2002, 85, 1441-1448.	1.9	24
29	Low-fire processing of microwave BaTi4O9 dielectric with crystalline CuB2O4 and BaCuB2O5 additives. Ceramics International, 2013, 39, 5151-5158.	2.3	24
30	Dispersion of Oleate-Modified CuO Nanoparticles in a Nonpolar Solvent. Journal of the American Ceramic Society, 2007, 90, 3676-3679.	1.9	23
31	Camber Development During the Cofiring of Bi-Layer Glass-Based Dielectric Laminate. Journal of the American Ceramic Society, 2005, 88, 1165-1170.	1.9	22
32	Interfacial Reaction Kinetics between Silver and Ceramic-Filled Glass Substrate. Journal of the American Ceramic Society, 2004, 87, 1287-1293.	1.9	19
33	Self-Constrained Sintering of Mixed Low-Temperature-Cofired Ceramic Laminates. Journal of the American Ceramic Society, 2006, 89, 829-835.	1.9	19
34	Interaction between Dissolved Ba²⁺ and PAAâ€NH₄ Dispersant in Aqueous Barium Titanate Suspensions. Journal of the American Ceramic Society, 2002, 85, 1449-1455.	1.9	18
35	Stress Required for Constrained Sintering of a Ceramicâ€Filled Glass Composite. Journal of the American Ceramic Society, 2004, 87, 1454-1458.	1.9	18
36	Stress Required to Densify a Low-Fire NiCuZn Ferrite Under Constrained Sintering. Journal of the American Ceramic Society, 2008, 91, 2051-2054.	1.9	18

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37	Synthesis of Ca-Î±-SiAlON:Eux phosphor powder by carbothermal-reductionâ€“nitridation process. Materials Chemistry and Physics, 2010, 123, 13-15.	2.0	18
38	Dissolution and Dispersion Behavior of Barium Carbonate in Aqueous Suspensions. Journal of the American Ceramic Society, 2002, 85, 2977-2983.	1.9	16
39	Preparation and Electrical Properties of LaFeO3Compacts Using Chemically Synthesized Powders. Japanese Journal of Applied Physics, 2008, 47, 8498-8501.	0.8	16
40	Fabrication of pâ€Type Liâ€Doped ZnO Films by RF Magnetron Sputtering. Journal of the American Ceramic Society, 2010, 93, 1860-1862.	1.9	16
41	Failure Mechanism of a Lowâ€Temperatureâ€Cofired Ceramic Capacitor with an Inner Ag Electrode. Journal of the American Ceramic Society, 2010, 93, 3278-3283.	1.9	15
42	Mixed modifier effect in lithiumâ€calcium borosilicate glasses. Journal of the American Ceramic Society, 2017, 100, 5482-5489.	1.9	15
43	Kinetics and mechanism of anatase-to-rutile phase transformation in the presence of borosilicate glass. Journal of Materials Research, 1999, 14, 2922-2928.	1.2	14
44	Crystallization Kinetics and Dielectric Properties of a Lowâ€Fire CaOâ€“Al₂O₃â€“SiO₂ Glass + Alumina System. Journal of the American Ceramic Society, 2016, 99, 2664-2671.	1.9	14
45	Effects of green density difference on camber development during the cofiring of a bi-layer glass-based dielectric laminate. Materials Chemistry and Physics, 2011, 128, 413-417.	2.0	13
46	Effect of Crystallization on the Stress Required for Constrained Sintering of CaO-B2O3-SiO2 Glass-Ceramics. Journal of the American Ceramic Society, 2005, 88, 599-603.	1.9	12
47	Densification kinetics and modeling of glass-filled alumina composite. Journal of Materials Research, 1994, 9, 771-780.	1.2	11
48	Devitrification kinetics and mechanism of Pyrex borosilicate glass. Journal of Materials Research, 2001, 16, 1752-1758.	1.2	11
49	Low-Fire Processing and Properties of Ferrite+Dielectric Ceramic Composite. Journal of the American Ceramic Society, 2006, 89, 060628061644003-???.	1.9	11
50	Sintering of a Crystallizable K₂Oâ€“CaOâ€“SrOâ€“BaOâ€“B₂O₃â€“SiO₂ Glass with Titania Present. Journal of Materials Research, 2002, 17, 1772-1778.	1.2	10
51	The Effect of Applied Stress on the Densification of a Lowâ€Temperature Cofired Ceramicâ€Filled Glass System Under Constrained Sintering. Journal of the American Ceramic Society, 2009, 92, 1946-1950.	1.9	10
52	Lowâ€Fire Processing of Microwave <scp>BNBT</scp>â€Based Highâ€k Dielectric with <scp><scp>Li</scp></scp>₂<scp><scp>O</scp></scp>â€“<scp><scp>ZnO</scp></scp>â€“<scp><scp>B</scp></scp>₂<scp><scp>O</scp></scp>₃ Glass. Journal of the American Ceramic Society, 2013, 96, 3849-3856.	1.9	10
53	Dispersion of Titania Powder in an Electronic Ink for Electrophoretic Display. Journal of the American Ceramic Society, 2007, 90, 3490-3495.	1.9	9
54	Synthesis of Hollow Titania Powder by the Hydrothermal Method. Journal of the American Ceramic Society, 2008, 91, 3074-3077.	1.9	9

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55	Chemical Synthesis of a Blueâ€Emitting NaSr_{1â^'Xâ€f}PO₄:Eu_X Phosphor Powder. Journal of the American Ceramic Society, 2009, 92, 1860-1862.	1.9	9
56	Composition-structure-properties relationship of lithium-calcium borosilicate glasses studied by molecular dynamics simulation. Ceramics International, 2018, 44, 11554-11561.	2.3	8
57	Aqueous Synthesis of Y2O2S:Eu/Silica Core-Shell Particles. Journal of the American Ceramic Society, 2005, 88, 1341-1344.	1.9	7
58	Self-Constrained Sintering of a Multilayer Low-Temperature-Cofired Glassâ€"Ceramics/Alumina Laminate. Journal of the American Ceramic Society, 2008, 91, 648-651.	1.9	7
59	Effects of CuO on constrained sintering of a polycrystalline TiO₂ ceramics. Journal of the American Ceramic Society, 2019, 102, 158-166.	1.9	6
60	The Effect of Anisotropic Shrinkage in Tapeâ€Cast Lowâ€Temperature Cofired Ceramics on Camber Development of Bilayer Laminates. Journal of the American Ceramic Society, 2011, 94, 683-686.	1.9	5
61	Processing and properties of a lowâ€fire, highâ€thermalâ€conductivity alumina with CuTiNb₂O₈. International Journal of Ceramic Engineering & Science, 2020, 2, 38-45.	0.5	5
62	High-temperature creep of low-dielectric-constant glass composites. Journal of Materials Research, 1996, 11, 2098-2103.	1.2	4
63	Low-Fire Processing of CaTiO3with 2ZnOâ€"B2O3Glass. Japanese Journal of Applied Physics, 2004, 43, 3516-3520.	0.8	3
64	Effects of Processing Parameters on Electrical Properties of pâ€Type <scp>Li</scp>â€Doped <scp>ZnO</scp> Films by <scp>DC</scp> Pulsed Sputtering. Journal of the American Ceramic Society, 2011, 94, 3711-3715.	1.9	3
65	Stress Development During the Coâ€firing of Integrated Ferrite/Dielectric Laminates. Journal of the American Ceramic Society, 2012, 95, 946-950.	1.9	3
66	Using Optical Coherence Tomography to Examine Additives in Chinese Song Jun Glaze. Archaeometry, 2015, 57, 837-855.	0.6	3
67	Constrained Sintering of a Lowâ€Fire, Polycrystalline Bi₂(Zn_{1/3}Nb_{2/3})₂O₇ Dielectric. Journal of the American Ceramic Society, 2015, 98, 1080-1086.	1.9	3
68	Low-fire processing of microwave (Ca 1â^'x Sr x)(Zr 1â^'y Mn y)O 3 dielectric with Li 2 O-B 2 O 3 -SiO 2 glass in H 2 /N 2. Ceramics International, 2017, 43, S306-S311.	2.3	3
69	Effects of a non-magnetic CuZn ferrite layer on cofiring and electrical properties of a low-fire, multilayer NiCuZn ferrite inductor. Ceramics International, 2013, 39, 7583-7587.	2.3	1
70	Constrained sintering of Bi 2 O 3 â€doped ZnO. International Journal of Ceramic Engineering & Science, 2019, 1, 155-165.	0.5	1
71	Protective Magnesia Coating on Y2O2S:Eu Phosphor Powders. Journal of the American Ceramic Society, 2006, 89, 060613004617007-???.	1.9	0
72	Low-fire Processing Magnetic+Dielectric Ceramic Composites. , 2007, , .		0

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73	Low-fire Processing and Dielectric Properties of a Binary Crystallizable Glasses+alumina System. International Symposium on Microelectronics, 2018, 2018, 000365-000379.	0.3	0