Jau-Ho Jean

List of Publications by Citations

73 papers	1,630 citations	24 h-index	37 g-index
75 ext. papers	1,729 ext. citations	3.4 avg, IF	4.79 L-index

#	Paper	IF	Citations
73	Crystallization Kinetics and Mechanism of Low-Dielectric, Low-Temperature, Cofirable CaO-B2O3-SiO2 Glass-Ceramics. *Journal of the American Ceramic Society*, **1999**, 82, 1725-1732	3.8	130
72	Dispersion of Aqueous Barium Titanate Suspensions with Ammonium Salt of Poly(methacrylic acid). *Journal of the American Ceramic Society*, **2005**, 81, 1589-1599	3.8	77
71	Effects of Silver-Paste Formulation on Camber Development during the Cofiring of a Silver-Based, Low-Temperature-Cofired Ceramic Package. *Journal of the American Ceramic Society*, **2005**, 81, 2805-2814	3.8	76
70	Dispersion of Nano-Sized Alumina Powder in Non-Polar Solvents. *Journal of the American Ceramic Society*, **2006**, 89, 882-887	3.8	54
69	Camber development during cofiring Ag-based low-dielectric-constant ceramic package. *Journal of Materials Research*, **1997**, 12, 2743-2750	2.5	52
68	Devitrification Kinetics and Mechanism of K2O CaO SrO BaO B2O3 SiO2 Glass-Ceramic. *Journal of the American Ceramic Society*, **2004**, 84, 1354-1360	3.8	52
67	Low-Fire Processing of ZrO2 SnO2 TiO2 Ceramics. *Journal of the American Ceramic Society*, **2000**, 83, 1417-1422	3.8	52
66	Effects of Lead(II) Oxide on Processing and Properties of Low-Temperature-Cofirable Ni-Cu-Zn Ferrite. *Journal of the American Ceramic Society*, **2004**, 82, 343-350	3.8	50
65	Effect of Densification Mismatch on Camber Development during Cofiring of Nickel-Based Multilayer Ceramic Capacitors. *Journal of the American Ceramic Society*, **2005**, 80, 2401-2406	3.8	48
64	Effects of Solids Loading, pH, and Polyelectrolyte Addition on the Stabilization of Concentrated Aqueous BaTiO3 Suspensions. *Journal of the American Ceramic Society*, **2004**, 83, 277-280	3.8	47
63	Cofiring Kinetics and Mechanisms of an Ag-Metallized Ceramic-Filled Glass Electronic Package. *Journal of the American Ceramic Society*, **2005**, 80, 3084-3092	3.8	46
62	Stress Development during Constrained Sintering of Alumina/Glass/Alumina Sandwich Structure. *Journal of the American Ceramic Society*, **2004**, 85, 335-340	3.8	44
61	Low-Fire Processing of Microwave BaTi4O9 Dielectric with BaO ZnO B2O3 Glass. *Journal of the American Ceramic Society*, **2006**, 89, 786-791	3.8	42
60	Low-Fire NiO CuO ZnO Ferrite with Bi2O3. *Japanese Journal of Applied Physics*, **1999**, 38, 3508-3512	1.4	42
59	Principles of the development of a silica dielectric for microelectronics packaging. *Journal of Materials Research*, **1996**, 11, 243-263	2.5	42
58	Stabilization of aqueous BaTiO3 suspensions with ammonium salt of poly(acrylic acid) at various pH values. *Journal of Materials Research*, **1998**, 13, 2245-2250	2.5	41
57	Constrained Sintering of Silver Circuit Paste. *Journal of the American Ceramic Society*, **2004**, 87, 187-191	3.8	40

56	Sintering of a Crystallizable CaO-B2O3-SiO2 Glass with Silver. *Journal of the American Ceramic Society*, **2004**, 87, 1244-1249	3.8	33
55	Constrained Densification Kinetics of Alumina/Borosilicate Glass + Alumina/Alumina Sandwich Structure. *Journal of the American Ceramic Society*, **2004**, 85, 150-154	3.8	31
54	Adsorption of poly(vinyl butyral) in nonaqueous ferrite suspensions. *Journal of Materials Research*, **1997**, 12, 1062-1068	2.5	29
53	Effects of Borosilicate Glass on Densification and Properties of Borosilicate Glass + TiO2 Ceramics. *Journal of Materials Research*, **1999**, 14, 1359-1363	2.5	29
52	Key Factors Controlling Camber Behavior During the Cofiring of Bi-Layer Ceramic Dielectric Laminates. *Journal of the American Ceramic Society*, **2005**, 88, 2429-2434	3.8	28
51	Organic Distributions in Dried Alumina Green Tape. *Journal of the American Ceramic Society*, **2004**, 84, 267-72	3.8	26
50	Formulation and dispersion of NiCuZn ferrite paste. *Materials Chemistry and Physics*, **2003**, 78, 323-329	4.4	24
49	Low-fire processing of microwave BaTi4O9 dielectric with crystalline CuB2O4 and BaCuB2O5 additives. *Ceramics International*, **2013**, 39, 5151-5158	5.1	23
48	Y2O2S:Eu Red Phosphor Powders Coated with Silica. *Journal of the American Ceramic Society*, **2004**, 83, 1928-1934	3.8	22
47	Interactions of Organic Additives with Boric Oxide in Aqueous Barium Titanate Suspensions. *Journal of the American Ceramic Society*, **2002**, 85, 1441-1448	3.8	22
46	Low-Fire Processing (Ca1⊠Nd2x/3)TiO3 Microwave Ceramics. *Journal of the American Ceramic Society*, **2003**, 86, 93-98	3.8	22
45	Dispersion of Oleate-Modified CuO Nanoparticles in a Nonpolar Solvent. *Journal of the American Ceramic Society*, **2007**, 90, 3676-3679	3.8	21
44	Camber Development During the Cofiring of Bi-Layer Glass-Based Dielectric Laminate. *Journal of the American Ceramic Society*, **2005**, 88, 1165-1170	3.8	21
43	Devitrification inhibitors in borosilicate glass and binary borosilicate glass composite. *Journal of Materials Research*, **1995**, 10, 1312-1320	2.5	20
42	Self-Constrained Sintering of Mixed Low-Temperature-Cofired Ceramic Laminates. *Journal of the American Ceramic Society*, **2006**, 89, 829-835	3.8	18
41	Interaction between Dissolved Ba2+ and PAA-NH4 Dispersant in Aqueous Barium Titanate Suspensions. *Journal of the American Ceramic Society*, **2002**, 85, 1449-1455	3.8	18
40	Interfacial Reaction Kinetics between Silver and Ceramic-Filled Glass Substrate. *Journal of the American Ceramic Society*, **2004**, 87, 1287-1293	3.8	17
39	Stress Required for Constrained Sintering of a Ceramic-Filled Glass Composite. *Journal of the American Ceramic Society*, **2004**, 87, 1454-1458	3.8	17

38	Synthesis of Ca-SiAlON:Eux phosphor powder by carbothermal-reduction nitridation process. *Materials Chemistry and Physics*, **2010**, 123, 13-15	4.4	16
37	Preparation and Electrical Properties of LaFeO3Compacts Using Chemically Synthesized Powders. *Japanese Journal of Applied Physics*, **2008**, 47, 8498-8501	1.4	16
36	Stress Required to Densify a Low-Fire NiCuZn Ferrite Under Constrained Sintering. *Journal of the American Ceramic Society*, **2008**, 91, 2051-2054	3.8	16
35	Fabrication of p-Type Li-Doped ZnO Films by RF Magnetron Sputtering. *Journal of the American Ceramic Society*, **2010**, 93, 1860	3.8	15
34	Dissolution and Dispersion Behavior of Barium Carbonate in Aqueous Suspensions. *Journal of the American Ceramic Society*, **2004**, 85, 2977-2983	3.8	14
33	Kinetics and mechanism of anatase-to-rutile phase transformation in the presence of borosilicate glass. *Journal of Materials Research*, **1999**, 14, 2922-2928	2.5	14
32	Crystallization Kinetics and Dielectric Properties of a Low-Fire CaOAl2O3SiO2 Glass + Alumina System. *Journal of the American Ceramic Society*, **2016**, 99, 2664-2671	3.8	13
31	Mixed modifier effect in lithium-calcium borosilicate glasses. *Journal of the American Ceramic Society*, **2017**, 100, 5482-5489	3.8	12
30	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	4.4	12
29	Failure Mechanism of a Low-Temperature-Cofired Ceramic Capacitor with an Inner Ag Electrode. *Journal of the American Ceramic Society*, **2010**, 93, 3278-3283	3.8	12
28	Effect of Crystallization on the Stress Required for Constrained Sintering of CaOB2O3SiO2 GlassCeramics. *Journal of the American Ceramic Society*, **2005**, 88, 599-603	3.8	12
27	The Effect of Applied Stress on the Densification of a Low-Temperature Cofired Ceramic-Filled Glass System Under Constrained Sintering. *Journal of the American Ceramic Society*, **2009**, 92, 1946-1950	3.8	10
26	Devitrification kinetics and mechanism of Pyrex borosilicate glass. *Journal of Materials Research*, **2001**, 16, 1752-1758	2.5	10
25	Densification kinetics and modeling of glass-filled alumina composite. *Journal of Materials Research* , **1994**, 9, 771-780	2.5	10
24	Low-Fire Processing of Microwave BNBT-Based High-k Dielectric with Li2OZnOB2O3 Glass. *Journal of the American Ceramic Society*, **2013**, 96, 3849-3856	3.8	9
23	Chemical Synthesis of a Blue-Emitting NaSr1X PO4:EuX Phosphor Powder. *Journal of the American Ceramic Society*, **2009**, 92, 1860-1862	3.8	9
22	Dispersion of Titania Powder in an Electronic Ink for Electrophoretic Display. *Journal of the American Ceramic Society*, **2007**, 90, 3490-3495	3.8	9
21	Synthesis of Hollow Titania Powder by the Hydrothermal Method. *Journal of the American Ceramic Society*, **2008**, 91, 3074-3077	3.8	9

20	Self-Constrained Sintering of a Multilayer Low-Temperature-Cofired Glass□Ceramics/Alumina Laminate. *Journal of the American Ceramic Society*, **2008**, 91, 648-651	3.8	7
19	Aqueous Synthesis of Y2O2S:Eu/Silica Core-Shell Particles. *Journal of the American Ceramic Society*, **2005**, 88, 1341-1344	3.8	7
18	Sintering of a Crystallizable K2O□CaO□SrO□BaO□B2O3□SiO2 Glass with Titania Present. *Journal of Materials Research*, **2002**, 17, 1772-1778	2.5	7
17	Composition-structure-properties relationship of lithium-calcium borosilicate glasses studied by molecular dynamics simulation. *Ceramics International*, **2018**, 44, 11554-11561	5.1	5
16	Effects of CuO on constrained sintering of a polycrystalline TiO2 ceramics. *Journal of the American Ceramic Society*, **2019**, 102, 158-166	3.8	5
15	Constrained Sintering of a Low-Fire, Polycrystalline Bi2(Zn1/3Nb2/3)2O7 Dielectric. *Journal of the American Ceramic Society*, **2015**, 98, 1080-1086	3.8	3
14	The Effect of Anisotropic Shrinkage in Tape-Cast Low-Temperature Cofired Ceramics on Camber Development of Bilayer Laminates. *Journal of the American Ceramic Society*, **2011**, 94, 683-686	3.8	3
13	Effects of Processing Parameters on Electrical Properties of p-Type Li-Doped ZnO Films by DC Pulsed Sputtering. *Journal of the American Ceramic Society*, **2011**, 94, 3711-3715	3.8	3
12	Low-Fire Processing and Properties of Ferrite+Dielectric Ceramic Composite. *Journal of the American Ceramic Society*, **2006**, 89, 060628061644003-???	3.8	3
11	Low-Fire Processing of CaTiO3with 2ZnO□B2O3Glass. *Japanese Journal of Applied Physics*, **2004**, 43, 3516-3520	1.4	3
10	High-temperature creep of low-dielectric-constant glass composites. *Journal of Materials Research*, **1996**, 11, 2098-2103	2.5	3
9	Processing and properties of a low-fire, high-thermal-conductivity alumina with CuTiNb2O8. *International Journal of Ceramic Engineering & Science*, **2020**, 2, 38-45	2	3
8	Constrained sintering of Bi2O3-doped ZnO. *International Journal of Ceramic Engineering & Science*, **2019**, 1, 155-165	2	1
7	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	5.1	1
6	Low-fire processing of microwave (Ca 1□ Sr x)(Zr 1□ 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	5.1	1
5	Using Optical Coherence Tomography to Examine Additives in Chinese Song Jun Glaze. *Archaeometry*, **2015**, 57, 837-855	1.6	1
4	Protective Magnesia Coating on Y2O2S:Eu Phosphor Powders. *Journal of the American Ceramic Society*, **2006**, 89, 060613004617007-???	3.8	
3	Low-fire Processing and Dielectric Properties of a Binary Crystallizable Glasses+alumina System. *International Symposium on Microelectronics*, **2018**, 2018, 000365-000379	0.2	

2	Effects of Added Boric Oxide on the Dispersion of Aqueous Barium Titanate Suspensions. *Ceramic Transactions*,427-435	0.1
1	Additive Interactions in Aqueous BaTiO3 Suspension. *Ceramic Transactions*,251-258	0.1