

Heli Jantunen

List of Publications by Year in descending order

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296
papers

8,810
citations

57719

44
h-index

54882

84
g-index

313
all docs

313
docs citations

313
times ranked

7606
citing authors

#	ARTICLE	IF	CITATIONS
1	Low loss dielectric materials for LTCC applications: a review. <i>International Materials Reviews</i> , 2008, 53, 57-90.	9.4	993
2	Low-loss dielectric ceramic materials and their properties. <i>International Materials Reviews</i> , 2015, 60, 392-412.	9.4	519
3	Inkjet Printing of Electrically Conductive Patterns of Carbon Nanotubes. <i>Small</i> , 2006, 2, 1021-1025.	5.2	479
4	Polymer-Ceramic Composites of 3D Connectivity for Circuits in Electronics: A Review. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 415-434.	1.1	239
5	Low temperature co-fired ceramics with ultra-low sintering temperature: A review. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 151-170.	5.6	237
6	Compositions of MgTiO ₃ -CaTiO ₃ ceramic with two borosilicate glasses for LTCC technology. <i>Journal of the European Ceramic Society</i> , 2000, 20, 2331-2336.	2.8	230
7	Energy Harvesting Research: The Road from Single Source to Multisource. <i>Advanced Materials</i> , 2018, 30, e1707271.	11.1	203
8	Nitrogen-Doped Anatase Nanofibers Decorated with Noble Metal Nanoparticles for Photocatalytic Production of Hydrogen. <i>ACS Nano</i> , 2011, 5, 5025-5030.	7.3	137
9	Electrocaloric characteristics in reactive sintered 0.87Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.13PbTiO ₃ . <i>Applied Physics Letters</i> , 2008, 92, .	1.5	130
10	Dielectric properties of BST/polymer composite. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3997-4001.	2.8	129
11	Dielectric Properties of Lithium Molybdate Ceramic Fabricated at Room Temperature. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3378-3379.	1.9	124
12	Electric-field-induced dielectric and temperature changes in c-axis-oriented Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystal. <i>Physical Review B</i> , 2010, 82, .	1.1	122
13	Design aspects of microwave components with LTCC technique. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2541-2548.	2.8	111
14	Enhanced photocatalytic activity of TiO ₂ nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H ₂ generation from ethanol-water mixtures. <i>Nano Research</i> , 2011, 4, 360-369.	5.8	109
15	Ultralow Loss CaMgGeO ₄ Microwave Dielectric Ceramic and Its Chemical Compatibility with Silver Electrodes for Low-Temperature Cofired Ceramic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6458-6466.	3.2	109
16	Lightweight Hierarchical Carbon Nanocomposites with Highly Efficient and Tunable Electromagnetic Interference Shielding Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19331-19338.	4.0	105
17	Inkjet printing of transparent and conductive patterns of single-walled carbon nanotubes and PEDOT-PSS composites. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4336-4340.	0.7	104
18	Stretchable and Washable Strain Sensor Based on Cracking Structure for Human Motion Monitoring. <i>Scientific Reports</i> , 2018, 8, 13241.	1.6	101

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19	A Game Changer: A Multifunctional Perovskite Exhibiting Giant Ferroelectricity and Narrow Bandgap with Potential Application in a Truly Monolithic Multienergy Harvester or Sensor. <i>Advanced Materials</i> , 2017, 29, 1700767.	11.1	100
20	Gas sensors based on anodic tungsten oxide. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 293-300.	4.0	90
21	Glass-Free CuMoO_4 Ceramic with Excellent Dielectric and Thermal Properties for Ultralow Temperature Cofired Ceramic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5632-5639.	3.2	86
22	Electrocaloric effect in a ferroelectric $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystal. <i>Physical Review B</i> , 2010, 81, .	1.1	81
23	Electrocaloric properties in relaxor ferroelectric $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ system. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	81
24	Electrical Transport and Field-Effect Transistors Using Inkjet-Printed SWCNT Films Having Different Functional Side Groups. <i>ACS Nano</i> , 2010, 4, 3318-3324.	7.3	79
25	Ferroelectric, pyroelectric, and piezoelectric properties of a photovoltaic perovskite oxide. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	79
26	Room temperature hydrogen sensors based on metal decorated WO_3 nanowires. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 90-95.	4.0	78
27	Ultrasensitive H_2S gas sensors based on p-type WS_2 hybrid materials. <i>Nano Research</i> , 2018, 11, 4215-4224.	5.8	76
28	Carbon Nanotube-Based Electrical Brush Contacts. <i>Advanced Materials</i> , 2009, 21, 2054-2058.	11.1	73
29	Energy harvesting with a cymbal type piezoelectric transducer from low frequency compression. <i>Journal of Electroceramics</i> , 2012, 28, 214-219.	0.8	69
30	Inkjet-printed gas sensors: metal decorated WO_3 nanoparticles and their gas sensing properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 17878.	6.7	66
31	Improvements and Modifications to Room Temperature Fabrication Method for Dielectric Li_2MoO_4 Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 687-689.	1.9	66
32	Magnetic-Field Induced Efficient Alignment of Carbon Nanotubes in Aqueous Solutions. <i>Chemistry of Materials</i> , 2007, 19, 787-791.	3.2	61
33	Tape casting of ferroelectric, dielectric, piezoelectric and ferromagnetic materials. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1077-1081.	2.8	56
34	Biodegradable multiphase poly(lactic acid)/biochar/graphite composites for electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2019, 181, 107704.	3.8	55
35	The effect of Mn on the microstructure and properties of BaSrTiO_3 with $\text{B}_2\text{O}_3\text{-Li}_2\text{CO}_3$. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2531-2535.	2.8	53
36	Boosting Photovoltaic Output of Ferroelectric Ceramics by Optoelectric Control of Domains. <i>Advanced Materials</i> , 2018, 30, e1803821.	11.1	53

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37	Screen printed low-sintering-temperature barium strontium titanate (BST) thick films. Journal of the European Ceramic Society, 2008, 28, 837-842.	2.8	52
38	A Frequency Tuning Method for a Planar Inverted-F Antenna. IEEE Transactions on Antennas and Propagation, 2008, 56, 944-950.	3.1	50
39	Low Temperature Sintering and Dielectric Properties of Alumina-Filled Glass Composites for LTCC Applications. International Journal of Applied Ceramic Technology, 2012, 9, 52-59.	1.1	50
40	Hybrid Foam Pressure Sensor Utilizing Piezoresistive and Capacitive Sensing Mechanisms. IEEE Sensors Journal, 2017, 17, 4735-4746.	2.4	49
41	Microstructure dependent switching properties of VO ₂ thin films. Sensors and Actuators A: Physical, 2008, 142, 250-255.	2.0	48
42	Ba _{0.7} Sr _{0.3} TiO ₃ powders with B ₂ O ₃ additive prepared by the sol-gel method for use as microwave material. Materials Science in Semiconductor Processing, 2002, 5, 215-221.	1.9	47
43	Temperature Coefficient of Microwave Resonance Frequency of a Low-Temperature Cofired Ceramic (LTCC) System. Journal of the American Ceramic Society, 2002, 85, 697-699.	1.9	47
44	Structural, Dielectric, and Thermal Properties of Pb Free Molybdate Based Ultralow Temperature Glass. ACS Sustainable Chemistry and Engineering, 2016, 4, 3897-3904.	3.2	46
45	Modification of the dielectric properties of Al ₂ O ₃ ceramic-polymer composites by introducing surface active agents onto the ceramic filler surface. Composite Structures, 2010, 92, 1052-1058.	3.1	45
46	Room-temperature fabrication of microwave dielectric Li ₂ MoO ₄ -TiO ₂ composite ceramics. Ceramics International, 2016, 42, 11442-11446.	2.3	45
47	Structural, infrared reflectivity spectra and microwave dielectric properties of the Li ₇ Ti ₃ O ₉ F ceramic. Ceramics International, 2019, 45, 10163-10169.	2.3	44
48	RF properties of BST-PPS composites. Journal of the European Ceramic Society, 2007, 27, 2923-2926.	2.8	43
49	Printable Planar Dielectric Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 403-413.	3.1	43
50	Ultra-low sintering temperature ceramic composites of CuMoO ₄ through Ag ₂ O addition for microwave applications. Composites Part B: Engineering, 2018, 141, 214-220.	5.9	43
51	Controlled Ohmic and nonlinear electrical transport in inkjet-printed single-wall carbon nanotube films. Physical Review B, 2008, 77, .	1.1	40
52	Preparing Low-Loss Low-Temperature Cofired Ceramic Material without Glass Addition. Journal of the American Ceramic Society, 2004, 83, 2855-2857.	1.9	39
53	Microstructure-based numerical modeling method for effective permittivity of ceramic/polymer composites. Journal of Applied Physics, 2005, 97, 104104.	1.1	39
54	Dielectric BaTiO ₃ -BBSZ glass ceramic composition with ultra-low sintering temperature. Journal of the European Ceramic Society, 2015, 35, 139-144.	2.8	39

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55	Electric-Field-Controlled Permittivity Ferroelectric Composition for Microwave LTCC Modules. <i>Journal of the American Ceramic Society</i> , 2004, 87, 578-583.	1.9	37
56	Ultra-Low-Temperature Cofired Ceramic Substrates with Low Residual Carbon for Next-Generation Microwave Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23798-23807.	4.0	37
57	Tunable Microwave Phase Shifters Using <sc>LTCC</sc> Technology with Integrated <sc>BST</sc> Thick Films. <i>International Journal of Applied Ceramic Technology</i> , 2012, 9, 11-17.	1.1	36
58	Patterned Immobilization of Antibodies within Roll-to-Roll Hot Embossed Polymeric Microfluidic Channels. <i>PLoS ONE</i> , 2013, 8, e68918.	1.1	36
59	Dielectric Properties of Ultra-Low Sintering Temperature Al ₂ O ₃ -BBSZ Glass Composite. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1133-1136.	1.9	35
60	The effects of substrate layer thickness on piezoelectric vibration energy harvesting with a bimorph type cantilever. <i>Mechanical Systems and Signal Processing</i> , 2018, 106, 114-118.	4.4	34
61	Hybrid, Multi-Source, and Integrated Energy Harvesters. <i>Frontiers in Materials</i> , 2018, 5, .	1.2	33
62	Micro/Millimeter-Wave Dielectric Indialite/Cordierite Glass-Ceramics Applied as LTCC and Direct Casting Substrates: Current Status and Prospects. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 526-533.	1.1	33
63	Room-temperature-densified Li ₂ Mo ₄ ceramic patch antenna and the effect of humidity. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 50-55.	1.1	32
64	Li ₂ Mo ₄ -based composite ceramics fabricated from temperature- and atmosphere-sensitive MnZn ferrite at room temperature. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3626-3635.	1.9	32
65	Microwave dielectric properties of low-temperature sinterable $\hat{\pm}$ -MoO ₃ . <i>Journal of the European Ceramic Society</i> , 2018, 38, 1541-1547.	2.8	32
66	Electrical and optical properties of metal-insulator-transition VO ₂ thin films. <i>Journal of Electroceramics</i> , 2009, 22, 73-77.	0.8	31
67	The effect of filler on the temperature coefficient of the relative permittivity of PTFE/ceramic composites. <i>Physica B: Condensed Matter</i> , 2011, 406, 4312-4316.	1.3	31
68	Piezoelectric circular diaphragm with mechanically induced pre-stress for energy harvesting. <i>Smart Materials and Structures</i> , 2014, 23, 085025.	1.8	30
69	Ferroelectric Oxides for Solar Energy Conversion, Multi-Source Energy Harvesting/Sensing, and Opto-Ferroelectric Applications. <i>ChemSusChem</i> , 2019, 12, 2540-2549.	3.6	30
70	Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites. <i>Carbon</i> , 2010, 48, 1918-1925.	5.4	29
71	Reliability of ICA attachment of SMDs on inkjet-printed substrates. <i>Microelectronics Reliability</i> , 2012, 52, 2709-2715.	0.9	29
72	Compact varactor-tuned meander line monopole antenna for DVB-H signal reception. <i>Electronics Letters</i> , 2007, 43, 1324.	0.5	28

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73	Optimization of MgTiO ₃ –CaTiO ₃ based LTCC tapes containing B ₂ O ₃ for use in microwave applications. <i>Ceramics International</i> , 2005, 31, 85-93.	2.3	27
74	Piezoelectric unimorph valve assembled on an LTCC substrate. <i>Sensors and Actuators A: Physical</i> , 2009, 149, 315-319.	2.0	27
75	Tunable microwave devices using low-sintering-temperature screen-printed barium strontium titanate (BST) thick films. <i>Journal of the European Ceramic Society</i> , 2010, 30, 389-394.	2.8	27
76	Barium titanate based dielectric sintered with a two-stage process. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2581-2588.	2.8	26
77	Tape Casting and Dielectric Properties of Zn ₂ Te ₃ O ₈ -Based Ceramics with an Ultra-Low Sintering Temperature. <i>International Journal of Applied Ceramic Technology</i> , 2009, 6, 531-536.	1.1	25
78	Combined electrical and electromechanical simulations of a piezoelectric cymbal harvester for energy harvesting from walking. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 391-400.	1.4	25
79	Perovskite ferroelectric tuned by thermal strain. <i>Scientific Reports</i> , 2019, 9, 3677.	1.6	25
80	FORMULATION OF SCREEN PRINTABLE COBALT NANOPARTICLE INK FOR HIGH FREQUENCY APPLICATIONS. <i>Progress in Electromagnetics Research</i> , 2010, 110, 253-266.	1.6	24
81	Electromechanical properties of PZT/P(VDF-TrFE) composite ink printed on a flexible organic substrate. <i>Composites Part B: Engineering</i> , 2015, 80, 217-222.	5.9	24
82	Tape Casting and Dielectric Properties of Sr ₂ ZnSi ₂ O ₇ -Based Ceramic-Glass Composite for Low-Temperature Co-fired Ceramics Applications. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 854-864.	1.1	23
83	Effect of synthesis method variables on particle size in the preparation of homogeneous doped nano ZnO material. <i>Microchemical Journal</i> , 2009, 91, 272-276.	2.3	22
84	Oxygen vacancy dipoles in strained epitaxial BaTiO_3 films. <i>Physical Review Research</i> , 2020, 2, .	1.3	22
85	Embedded air cavity backed microstrip antenna on an LTCC substrate. <i>Journal of the European Ceramic Society</i> , 2007, 27, 2881-2885.	2.8	21
86	Detection of Thermal Cycling-Induced Failures in RF/Microwave BGA Assemblies. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2008, 31, 240-247.	1.6	21
87	Layered dielectric–magnetic composite structures for Rf-applications. <i>Composite Structures</i> , 2010, 93, 179-183.	3.1	21
88	Chemical sensor systems for emission control from combustions. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 184-190.	4.0	21
89	Multilayer Functional Tapes Cofired at 450 Å°C: Beyond HTCC and LTCC Technologies. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11048-11055.	4.0	21
90	Ultralow temperature cofired BiZn ₂ VO ₆ dielectric ceramics doped with B ₂ O ₃ and Li ₂ CO ₃ for ULTCC applications. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1218-1226.	1.9	21

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91	Volume crystallization and microwave dielectric properties of indialite/cordierite glass by TiO ₂ addition. <i>Ceramics International</i> , 2021, 47, 2735-2742.	2.3	21
92	Lightweight porous silica foams with extreme-low dielectric permittivity and loss for future 6G wireless communication technologies. <i>Nano Research</i> , 2021, 14, 1450-1456.	5.8	20
93	Laser-induced surface activation of LTCC materials for chemical metallization. <i>IEEE Transactions on Advanced Packaging</i> , 2005, 28, 259-263.	1.7	19
94	An inkjet-printed inverted F antenna for 2.4 GHz wrist applications. <i>Microwave and Optical Technology Letters</i> , 2009, 51, 2936-2938.	0.9	19
95	Fully printed memristors for a self-sustainable recorder of mechanical energy. <i>Flexible and Printed Electronics</i> , 2016, 1, 025002.	1.5	19
96	3D printed dielectric ceramic without a sintering stage. <i>Scientific Reports</i> , 2018, 8, 15955.	1.6	19
97	Upside - down composites: Fabricating piezoceramics at room temperature. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3301-3306.	2.8	19
98	ULTCC Glass Composites Based on Rutile and Anatase with Cofiring at 400 °C for High Frequency Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4274-4283.	3.2	19
99	All-Around Universal and Photoelastic Self-Healing Elastomer with High Toughness and Resilience. <i>Advanced Science</i> , 2021, 8, e2103235.	5.6	19
100	BST powder with sol-gel process in tape casting and firing. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1111-1116.	2.8	18
101	IR-wavelength optical shutter based on ITO/VO ₂ /ITO thin film stack. <i>Journal of Electroceramics</i> , 2011, 27, 7-12.	0.8	18
102	Method to characterize dielectric properties of powdery substances. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	18
103	A co-fired LTCC-PZT monomorph bridge type acceleration sensor. <i>Sensors and Actuators A: Physical</i> , 2014, 216, 370-375.	2.0	18
104	BaTiO ₃ -P(VDF-TrFE) composite ink properties for printed decoupling capacitors. <i>Composites Part B: Engineering</i> , 2015, 70, 201-205.	5.9	18
105	Upside-down composites: Electroceramics without sintering. <i>Applied Materials Today</i> , 2019, 15, 83-86.	2.3	18
106	Spinel-olivine microwave dielectric ceramics with low sintering temperature and high quality factor for 5 GHz wi-fi antennas. <i>Applied Materials Today</i> , 2020, 21, 100826.	2.3	18
107	Continuous noninvasive monitoring of cell growth in disposable bioreactors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 1009-1017.	4.0	17
108	Piezoelectric Flexible LCP-PZT Composites for Sensor Applications at Elevated Temperatures. <i>Electronic Materials Letters</i> , 2018, 14, 113-123.	1.0	17

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109	Ultra-low permittivity porous silica-cellulose nanocomposite substrates for 6G telecommunication. <i>Nanotechnology</i> , 2020, 31, 435203.	1.3	17
110	Locating shoreline changes in the Porttipahta (Finland) water reservoir by using multitemporal landsat data. <i>Photogrammetria</i> , 1984, 39, 1-12.	0.2	16
111	Multilayer BST-COC Composite with Enhanced High Frequency Dielectric Properties. <i>Ferroelectrics</i> , 2009, 387, 210-215.	0.3	16
112	Fabrication and properties of composites from BST and polypropylene-graft-poly(styrene-stat-divinylbenzene). <i>Journal of the European Ceramic Society</i> , 2010, 30, 381-384.	2.8	16
113	Manufacturing of prestressed piezoelectric unimorphs using a postfired biasing layer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006, 53, 838-846.	1.7	15
114	Characteristics of piezoelectric cantilevers embedded in LTCC. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4135-4138.	2.8	15
115	Reliability of SMD interconnections on flexible low-temperature substrates with inkjet-printed conductors. <i>Microelectronics Reliability</i> , 2014, 54, 272-280.	0.9	15
116	Low-Loss and Wideband Package Transitions for Microwave and Millimeter-Wave MCMs. <i>IEEE Transactions on Advanced Packaging</i> , 2008, 31, 170-181.	1.7	14
117	Temperature characteristics and development of field-induced phase transition in relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.87}\text{Ti}_{0.13}\text{O}_3$ ceramics. <i>Applied Physics Letters</i> , 2008, 93, 132905.	1.5	14
118	Method for measuring user-induced load on mobile terminal antenna. <i>Electronics Letters</i> , 2009, 45, 1065.	0.5	14
119	PERFORMANCE OF PRINTABLE ANTENNAS WITH DIFFERENT CONDUCTOR THICKNESS. <i>Progress in Electromagnetics Research Letters</i> , 2010, 13, 59-65.	0.4	14
120	Novel Printed Nanostructured Gas Sensors. <i>Procedia Engineering</i> , 2011, 25, 896-899.	1.2	14
121	Effect of surface modification on dielectric and magnetic properties of metal powder/polymer nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 2281-2286.	1.0	14
122	Monomorph piezoelectric wideband energy harvester integrated into LTCC. <i>Journal of the European Ceramic Society</i> , 2011, 31, 789-794.	2.8	14
123	An indirectly coupled open-ended resonator applied to characterize dielectric properties of MgTiO_3 - CaTiO_3 powders. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	14
124	Room temperature curable zirconium silicate dielectric ink for electronic applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9240-9246.	2.7	14
125	Energy Harvesting with a Bimorph Type Piezoelectric Diaphragm Multilayer Structure and Mechanically Induced Pre-stress. <i>Energy Technology</i> , 2016, 4, 620-624.	1.8	14
126	Sintering behavior and characteristics study of BaTiO_3 with 50 wt% of B_2O_3 - Bi_2O_3 - SiO_2 - ZnO glass. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1495-1500.	2.8	14

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127	A Temperature-Responsive Copper Molybdate Polymorph Mixture near to Water Boiling Point by a Simple Cryogenic Quenching Route. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1046-1053.	4.0	14
128	Microstructural and electrical properties of multicomponent varistor ceramics with PbO-ZnO-B ₂ O ₃ glass addition. <i>Journal of Electroceramics</i> , 2007, 18, 175-181.	0.8	13
129	Thermoplastic Ceramic-Polymer Composites With Adjustable Magnetic and Dielectric Characteristics for Radio Frequency Applications. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 452-460.	1.1	13
130	Tape casting system for ULTCs to fabricate multilayer and multimaterial 3D electronic packages with embedded electrodes. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1257-1260.	1.9	13
131	Novel low-temperature sintering ceramic substrate based on indialite/cordierite glass ceramics. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 10PE01.	0.8	13
132	Multi-functional perovskites – an investigation of compositional and processing influence on microstructure, dielectric and ferroelectric properties. <i>European Physical Journal: Special Topics</i> , 2019, 228, 1555-1573.	1.2	13
133	Enhancement of inductance Q-factor for LTCC filter design. , 2005, , .		12
134	Thermal diffusivity of aligned multi-walled carbon nanotubes measured by the flash method. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2508-2511.	0.7	12
135	Miniaturisation of dual band monopole antennas loaded with screen printed cobalt nanoparticle ink. <i>IET Microwaves, Antennas and Propagation</i> , 2013, 7, 180-186.	0.7	12
136	Stretchable Sensors with Tunability and Single Stimuli-Responsiveness through Resistivity Switching Under Compressive Stress. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14433-14442.	4.0	12
137	Poling Conditions of Pre-Stressed Piezoelectric Actuators and Their Displacement. <i>Journal of Electroceramics</i> , 2005, 15, 57-64.	0.8	11
138	Frequency-tunable DVB-H antenna for mobile terminals. , 2007, , .		11
139	Co-sintering of barium strontium titanate (BST) thick films inside a LTCC substrate with pressure-assisted sintering. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2765-2769.	2.8	11
140	Low-Sintering-Temperature Ferroelectric-Thick Films: RF Properties and an Application in a Frequency-Tunable Folded Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008, 7, 461-464.	2.4	11
141	Field-induced thermal response and irreversible phase transition enthalpy change in Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ . <i>Applied Physics Letters</i> , 2009, 94, .	1.5	11
142	Electrical and electromechanical characteristics of LTCC embedded piezoelectric bulk actuators. <i>Advances in Applied Ceramics</i> , 2010, 109, 135-138.	0.6	11
143	Application of Wide-Band Material Characterization Methods to Printable Electronics. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2010, 33, 221-227.	1.6	11
144	Inkjet-Printed RF Structures on BST-Polymer Composites: An Application of a Monopole Antenna for 2.4-GHz Wireless Local Area Network Operation. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 940-946.	1.1	11

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145	Synthesis of cobalt nanoparticles to enhance magnetic permeability of metal-polymer composites. <i>Advanced Powder Technology</i> , 2011, 22, 649-656.	2.0	11
146	Photocatalytic activity of nitrogen-doped TiO ₂ -based nanowires: a photo-assisted Kelvin probe force microscopy study. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	11
147	Structural, thermal and microwave dielectric properties of the novel microwave material Ba ₂ TiGe ₂ O ₈ . <i>Ceramics International</i> , 2018, 44, 10824-10828.	2.3	11
148	Room temperature densified ceramics for weight optimized circular polarized GPS antenna design. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 1061-1066.	0.9	11
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