

Heli Jantunen

List of Publications by Year in descending order

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296
papers

8,810
citations

57758

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54911

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. International Materials Reviews, 2008, 53, 57-90.	19.3	993
2	Low-loss dielectric ceramic materials and their properties. International Materials Reviews, 2015, 60, 392-412.	19.3	519
3	Inkjet Printing of Electrically Conductive Patterns of Carbon Nanotubes. Small, 2006, 2, 1021-1025.	10.0	479
4	Polymer-Ceramic Composites of 3 Connectivity for Circuits in Electronics: A Review. International Journal of Applied Ceramic Technology, 2010, 7, 415-434.	2.1	239
5	Low temperature co-fired ceramics with ultra-low sintering temperature: A review. Current Opinion in Solid State and Materials Science, 2016, 20, 151-170.	11.5	237
6	Compositions of MgTiO ₃ -CaTiO ₃ ceramic with two borosilicate glasses for LTCC technology. Journal of the European Ceramic Society, 2000, 20, 2331-2336.	5.7	230
7	Energy Harvesting Research: The Road from Single Source to Multisource. Advanced Materials, 2018, 30, e1707271.	21.0	203
8	Nitrogen-Doped Anatase Nanofibers Decorated with Noble Metal Nanoparticles for Photocatalytic Production of Hydrogen. ACS Nano, 2011, 5, 5025-5030.	14.6	137
9	Electrocaloric characteristics in reactive sintered 0.87Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.13PbTiO ₃ . Applied Physics Letters, 2008, 92, .	3.3	130
10	Dielectric properties of BST/polymer composite. Journal of the European Ceramic Society, 2007, 27, 3997-4001.	5.7	129
11	Dielectric Properties of Lithium Molybdate Ceramic Fabricated at Room Temperature. Journal of the American Ceramic Society, 2014, 97, 3378-3379.	3.8	124
12	Electric-field-induced dielectric and temperature changes in a ⁰¹¹ -oriented Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystal. Physical Review B, 2010, 82, .	3.2	122
13	Design aspects of microwave components with LTCC technique. Journal of the European Ceramic Society, 2003, 23, 2541-2548.	5.7	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. Nano Research, 2011, 4, 360-369.	10.4	109
15	Ultralow Loss CaMgGeO ₄ Microwave Dielectric Ceramic and Its Chemical Compatibility with Silver Electrodes for Low-Temperature Cofired Ceramic Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 6458-6466.	6.7	109
16	Lightweight Hierarchical Carbon Nanocomposites with Highly Efficient and Tunable Electromagnetic Interference Shielding Properties. ACS Applied Materials & Interfaces, 2019, 11, 19331-19338.	8.0	105
17	Inkjet printing of transparent and conductive patterns of single-walled carbon nanotubes and PEDOT-PSS composites. Physica Status Solidi (B): Basic Research, 2007, 244, 4336-4340.	1.5	104
18	Stretchable and Washable Strain Sensor Based on Cracking Structure for Human Motion Monitoring. Scientific Reports, 2018, 8, 13241.	3.3	101

#	ARTICLE	IF	CITATIONS
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.	21.0	100
20	Gas sensors based on anodic tungsten oxide. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 293-300.	7.8	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.	6.7	86
22	Electrocaloric effect in a ferroelectric $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 single crystal. <i>Physical Review B</i> , 2010, 81, .	3.2	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, .	2.5	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.	14.6	79
25	Ferroelectric, pyroelectric, and piezoelectric properties of a photovoltaic perovskite oxide. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	79
26	Room temperature hydrogen sensors based on metal decorated WO_3 nanowires. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 90-95.	7.8	78
27	Ultrasensitive H_2S gas sensors based on p-type WS_2 hybrid materials. <i>Nano Research</i> , 2018, 11, 4215-4224.	10.4	76
28	Carbon Nanotube-Based Electrical Brush Contacts. <i>Advanced Materials</i> , 2009, 21, 2054-2058.	21.0	73
29	Energy harvesting with a cymbal type piezoelectric transducer from low frequency compression. <i>Journal of Electroceramics</i> , 2012, 28, 214-219.	2.0	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.	3.8	66
32	Magnetic-Field Induced Efficient Alignment of Carbon Nanotubes in Aqueous Solutions. <i>Chemistry of Materials</i> , 2007, 19, 787-791.	6.7	61
33	Tape casting of ferroelectric, dielectric, piezoelectric and ferromagnetic materials. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1077-1081.	5.7	56
34	Biodegradable multiphase poly(lactic acid)/biochar/graphite composites for electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2019, 181, 107704.	7.8	55
35	The effect of Mn on the microstructure and properties of BaSrTiO_3 with B_2O_3 - Li_2CO_3 . <i>Journal of the European Ceramic Society</i> , 2005, 25, 2531-2535.	5.7	53
36	Boosting Photovoltaic Output of Ferroelectric Ceramics by Optoelectric Control of Domains. <i>Advanced Materials</i> , 2018, 30, e1803821.	21.0	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.	5.7	52
38	A Frequency Tuning Method for a Planar Inverted-F Antenna. IEEE Transactions on Antennas and Propagation, 2008, 56, 944-950.	5.1	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.	2.1	50
40	Hybrid Foam Pressure Sensor Utilizing Piezoresistive and Capacitive Sensing Mechanisms. IEEE Sensors Journal, 2017, 17, 4735-4746.	4.7	49
41	Microstructure dependent switching properties of VO ₂ thin films. Sensors and Actuators A: Physical, 2008, 142, 250-255.	4.1	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.	4.0	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.	3.8	47
44	Structural, Dielectric, and Thermal Properties of Pb Free Molybdate Based Ultralow Temperature Glass. ACS Sustainable Chemistry and Engineering, 2016, 4, 3897-3904.	6.7	46
45	Modification of the dielectric properties of Si ₃ N ₄ ceramic-polymer composites by introducing surface active agents onto the ceramic filler surface. Composite Structures, 2010, 92, 1052-1058.	5.8	45
46	Room-temperature fabrication of microwave dielectric Li ₂ MoO ₄ -TiO ₂ composite ceramics. Ceramics International, 2016, 42, 11442-11446.	4.8	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.	4.8	44
48	RF properties of BST-PPS composites. Journal of the European Ceramic Society, 2007, 27, 2923-2926.	5.7	43
49	Printable Planar Dielectric Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 403-413.	5.1	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.	12.0	43
51	Controlled Ohmic and nonlinear electrical transport in inkjet-printed single-wall carbon nanotube films. Physical Review B, 2008, 77, .	3.2	40
52	Preparing Low-Loss Low-Temperature Cofired Ceramic Material without Glass Addition. Journal of the American Ceramic Society, 2004, 83, 2855-2857.	3.8	39
53	Microstructure-based numerical modeling method for effective permittivity of ceramic/polymer composites. Journal of Applied Physics, 2005, 97, 104104.	2.5	39
54	Dielectric BaTiO ₃ -BBSZ glass ceramic composition with ultra-low sintering temperature. Journal of the European Ceramic Society, 2015, 35, 139-144.	5.7	39

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55	Electric-Field-Controlled Permittivity Ferroelectric Composition for Microwave LTCC Modules. Journal of the American Ceramic Society, 2004, 87, 578-583.	3.8	37
56	Ultra-Low-Temperature Cofired Ceramic Substrates with Low Residual Carbon for Next-Generation Microwave Applications. ACS Applied Materials & Interfaces, 2019, 11, 23798-23807.	8.0	37
57	Tunable Microwave Phase Shifters Using <sc>LTCC</sc> Technology with Integrated <sc>BST</sc> Thick Films. International Journal of Applied Ceramic Technology, 2012, 9, 11-17.	2.1	36
58	Patterned Immobilization of Antibodies within Roll-to-Roll Hot Embossed Polymeric Microfluidic Channels. PLoS ONE, 2013, 8, e68918.	2.5	36
59	Dielectric Properties of Ultra-Low Sintering Temperature Al ₂ O ₃ -BBSZ Glass Composite. Journal of the American Ceramic Society, 2015, 98, 1133-1136.	3.8	35
60	The effects of substrate layer thickness on piezoelectric vibration energy harvesting with a bimorph type cantilever. Mechanical Systems and Signal Processing, 2018, 106, 114-118.	8.0	34
61	Hybrid, Multi-Source, and Integrated Energy Harvesters. Frontiers in Materials, 2018, 5, .	2.4	33
62	Micro/Millimeter-Wave Dielectric Indialite/Cordierite Glass-Ceramics Applied as LTCC and Direct Casting Substrates: Current Status and Prospects. Journal of the Korean Ceramic Society, 2019, 56, 526-533.	2.3	33
63	Room-temperature-densified Li ₂ MoO ₄ ceramic patch antenna and the effect of humidity. International Journal of Applied Ceramic Technology, 2017, 14, 50-55.	2.1	32
64	Li ₂ MoO ₄ -based composite ceramics fabricated from temperature- and atmosphere-sensitive MnZn ferrite at room temperature. Journal of the American Ceramic Society, 2017, 100, 3626-3635.	3.8	32
65	Microwave dielectric properties of low-temperature sinterable Li-MoO_3 . Journal of the European Ceramic Society, 2018, 38, 1541-1547.	5.7	32
66	Electrical and optical properties of metal-insulator-transition VO ₂ thin films. Journal of Electroceramics, 2009, 22, 73-77.	2.0	31
67	The effect of filler on the temperature coefficient of the relative permittivity of PTFE/ceramic composites. Physica B: Condensed Matter, 2011, 406, 4312-4316.	2.7	31
68	Piezoelectric circular diaphragm with mechanically induced pre-stress for energy harvesting. Smart Materials and Structures, 2014, 23, 085025.	3.5	30
69	Ferroelectric Oxides for Solar Energy Conversion, Multi-Source Energy Harvesting/Sensing, and Opto-Ferroelectric Applications. ChemSusChem, 2019, 12, 2540-2549.	6.8	30
70	Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites. Carbon, 2010, 48, 1918-1925.	10.3	29
71	Reliability of ICA attachment of SMDs on inkjet-printed substrates. Microelectronics Reliability, 2012, 52, 2709-2715.	1.7	29
72	Compact varactor-tuned meander line monopole antenna for DVB-H signal reception. Electronics Letters, 2007, 43, 1324.	1.0	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. Ceramics International, 2005, 31, 85-93.	4.8	27
74	Piezoelectric unimorph valve assembled on an LTCC substrate. Sensors and Actuators A: Physical, 2009, 149, 315-319.	4.1	27
75	Tunable microwave devices using low-sintering-temperature screen-printed barium strontium titanate (BST) thick films. Journal of the European Ceramic Society, 2010, 30, 389-394.	5.7	27
76	Barium titanate based dielectric sintered with a two-stage process. Journal of the European Ceramic Society, 2008, 28, 2581-2588.	5.7	26
77	Tape Casting and Dielectric Properties of Zn ₂ Te ₃ O ₈ -Based Ceramics with an Ultra-Low Sintering Temperature. International Journal of Applied Ceramic Technology, 2009, 6, 531-536.	2.1	25
78	Combined electrical and electromechanical simulations of a piezoelectric cymbal harvester for energy harvesting from walking. Journal of Intelligent Material Systems and Structures, 2014, 25, 391-400.	2.5	25
79	Perovskite ferroelectric tuned by thermal strain. Scientific Reports, 2019, 9, 3677.	3.3	25
80	FORMULATION OF SCREEN PRINTABLE COBALT NANOPARTICLE INK FOR HIGH FREQUENCY APPLICATIONS. Progress in Electromagnetics Research, 2010, 110, 253-266.	4.4	24
81	Electromechanical properties of PZT/P(VDF-TrFE) composite ink printed on a flexible organic substrate. Composites Part B: Engineering, 2015, 80, 217-222.	12.0	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. International Journal of Applied Ceramic Technology, 2011, 8, 854-864.	2.1	23
83	Effect of synthesis method variables on particle size in the preparation of homogeneous doped nano ZnO material. Microchemical Journal, 2009, 91, 272-276.	4.5	22
84	Oxygen vacancy dipoles in strained epitaxial BaTiO_3 films. Physical Review Research, 2020, 2, .	3.6	22
85	Embedded air cavity backed microstrip antenna on an LTCC substrate. Journal of the European Ceramic Society, 2007, 27, 2881-2885.	5.7	21
86	Detection of Thermal Cycling-Induced Failures in RF/Microwave BGA Assemblies. IEEE Transactions on Electronics Packaging Manufacturing, 2008, 31, 240-247.	1.4	21
87	Layered dielectric–magnetic composite structures for Rf-applications. Composite Structures, 2010, 93, 179-183.	5.8	21
88	Chemical sensor systems for emission control from combustions. Sensors and Actuators B: Chemical, 2013, 187, 184-190.	7.8	21
89	Multilayer Functional Tapes Cofired at 450 Å°C: Beyond HTCC and LTCC Technologies. ACS Applied Materials & Interfaces, 2018, 10, 11048-11055.	8.0	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. Journal of the American Ceramic Society, 2019, 102, 1218-1226.	3.8	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.	4.8	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.	10.4	20
93	Laser-induced surface activation of LTCC materials for chemical metallization. <i>IEEE Transactions on Advanced Packaging</i> , 2005, 28, 259-263.	1.6	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.	1.4	19
95	Fully printed memristors for a self-sustainable recorder of mechanical energy. <i>Flexible and Printed Electronics</i> , 2016, 1, 025002.	2.7	19
96	3D printed dielectric ceramic without a sintering stage. <i>Scientific Reports</i> , 2018, 8, 15955.	3.3	19
97	Upside - down composites: Fabricating piezoceramics at room temperature. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3301-3306.	5.7	19
98	ULTCC Glass Composites Based on Rutile and Anatase with Cofiring at 400 Å°C for High Frequency Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4274-4283.	6.7	19
99	All-Around Universal and Photoelastic Self-Healing Elastomer with High Toughness and Resilience. <i>Advanced Science</i> , 2021, 8, e2103235.	11.2	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.	5.7	18
101	IR-wavelength optical shutter based on ITO/VO ₂ /ITO thin film stack. <i>Journal of Electroceramics</i> , 2011, 27, 7-12.	2.0	18
102	Method to characterize dielectric properties of powdery substances. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	18
103	A co-fired LTCC-PZT monomorph bridge type acceleration sensor. <i>Sensors and Actuators A: Physical</i> , 2014, 216, 370-375.	4.1	18
104	BaTiO ₃ -P(VDF-TrFE) composite ink properties for printed decoupling capacitors. <i>Composites Part B: Engineering</i> , 2015, 70, 201-205.	12.0	18
105	Upside-down composites: Electroceramics without sintering. <i>Applied Materials Today</i> , 2019, 15, 83-86.	4.3	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.	4.3	18
107	Continuous noninvasive monitoring of cell growth in disposable bioreactors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 1009-1017.	7.8	17
108	Piezoelectric Flexible LCP-PZT Composites for Sensor Applications at Elevated Temperatures. <i>Electronic Materials Letters</i> , 2018, 14, 113-123.	2.2	17

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109	Ultra-low permittivity porous silica-cellulose nanocomposite substrates for 6G telecommunication. Nanotechnology, 2020, 31, 435203.	2.6	17
110	Locating shoreline changes in the Porttipahta (Finland) water reservoir by using multitemporal landsat data. Photogrammetria, 1984, 39, 1-12.	0.2	16
111	Multilayer BST-COC Composite with Enhanced High Frequency Dielectric Properties. Ferroelectrics, 2009, 387, 210-215.	0.6	16
112	Fabrication and properties of composites from BST and polypropylene-graft-poly(styrene-stat-divinylbenzene). Journal of the European Ceramic Society, 2010, 30, 381-384.	5.7	16
113	Manufacturing of prestressed piezoelectric unimorphs using a postfired biasing layer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 838-846.	3.0	15
114	Characteristics of piezoelectric cantilevers embedded in LTCC. Journal of the European Ceramic Society, 2007, 27, 4135-4138.	5.7	15
115	Reliability of SMD interconnections on flexible low-temperature substrates with inkjet-printed conductors. Microelectronics Reliability, 2014, 54, 272-280.	1.7	15
116	Low-Loss and Wideband Package Transitions for Microwave and Millimeter-Wave MCMs. IEEE Transactions on Advanced Packaging, 2008, 31, 170-181.	1.6	14
117	Temperature characteristics and development of field-induced phase transition in relaxor ferroelectric Pb(Mg _{1/3} Nb _{2/3}) _{0.87} Ti _{0.13} O ₃ ceramics. Applied Physics Letters, 2008, 93, 132905.	3.3	14
118	Method for measuring user-induced load on mobile terminal antenna. Electronics Letters, 2009, 45, 1065.	1.0	14
119	PERFORMANCE OF PRINTABLE ANTENNAS WITH DIFFERENT CONDUCTOR THICKNESS. Progress in Electromagnetics Research Letters, 2010, 13, 59-65.	0.7	14
120	Novel Printed Nanostructured Gas Sensors. Procedia Engineering, 2011, 25, 896-899.	1.2	14
121	Effect of surface modification on dielectric and magnetic properties of metal powder/polymer nanocomposites. Journal of Magnetism and Magnetic Materials, 2011, 323, 2281-2286.	2.3	14
122	Monomorph piezoelectric wideband energy harvester integrated into LTCC. Journal of the European Ceramic Society, 2011, 31, 789-794.	5.7	14
123	An indirectly coupled open-ended resonator applied to characterize dielectric properties of MgTiO ₃ CaTiO ₃ powders. Journal of Applied Physics, 2014, 115, .	2.5	14
124	Room temperature curable zirconium silicate dielectric ink for electronic applications. Journal of Materials Chemistry C, 2015, 3, 9240-9246.	5.5	14
125	Energy Harvesting with a Bimorph Type Piezoelectric Diaphragm Multilayer Structure and Mechanically Induced Prestress. Energy Technology, 2016, 4, 620-624.	3.8	14
126	Sintering behavior and characteristics study of BaTiO ₃ with 50 wt% of B ₂ O ₃ -Bi ₂ O ₃ -SiO ₂ -ZnO glass. Journal of the European Ceramic Society, 2017, 37, 1495-1500.	5.7	14

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127	A Temperature-Responsive Copper Molybdate Polymorph Mixture near to Water Boiling Point by a Simple Cryogenic Quenching Route. ACS Applied Materials & Interfaces, 2020, 12, 1046-1053.	8.0	14
128	Microstructural and electrical properties of multicomponent varistor ceramics with PbO–ZnO–B ₂ O ₃ glass addition. Journal of Electroceramics, 2007, 18, 175-181.	2.0	13
129	Thermoplastic – Ceramic – Polymer Composites With Adjustable Magnetic and Dielectric Characteristics for Radio Frequency Applications. International Journal of Applied Ceramic Technology, 2010, 7, 452-460.	2.1	13
130	Tape casting system for ULTCs to fabricate multilayer and multimaterial 3D electronic packages with embedded electrodes. Journal of the American Ceramic Society, 2017, 100, 1257-1260.	3.8	13
131	Novel low-temperature sintering ceramic substrate based on indialite/cordierite glass ceramics. Japanese Journal of Applied Physics, 2017, 56, 10PE01.	1.5	13
132	Multi-functional perovskites – an investigation of compositional and processing influence on microstructure, dielectric and ferroelectric properties. European Physical Journal: Special Topics, 2019, 228, 1555-1573.	2.6	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. Physica Status Solidi (B): Basic Research, 2011, 248, 2508-2511.	1.5	12
135	Miniaturisation of dual band monopole antennas loaded with screen printed cobalt nanoparticle ink. IET Microwaves, Antennas and Propagation, 2013, 7, 180-186.	1.4	12
136	Stretchable Sensors with Tunability and Single Stimuli-Responsiveness through Resistivity Switching Under Compressive Stress. ACS Applied Materials & Interfaces, 2020, 12, 14433-14442.	8.0	12
137	Poling Conditions of Pre-Stressed Piezoelectric Actuators and Their Displacement. Journal of Electroceramics, 2005, 15, 57-64.	2.0	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. Journal of the European Ceramic Society, 2008, 28, 2765-2769.	5.7	11
140	Low-Sintering-Temperature Ferroelectric-Thick Films: RF Properties and an Application in a Frequency-Tunable Folded Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 461-464.	4.0	11
141	Field-induced thermal response and irreversible phase transition enthalpy change in Pb(Mg _{1/3} Nb _{2/3})O ₃ –PbTiO ₃ . Applied Physics Letters, 2009, 94, .	3.3	11
142	Electrical and electromechanical characteristics of LTCC embedded piezoelectric bulk actuators. Advances in Applied Ceramics, 2010, 109, 135-138.	1.1	11
143	Application of Wide-Band Material Characterization Methods to Printable Electronics. IEEE Transactions on Electronics Packaging Manufacturing, 2010, 33, 221-227.	1.4	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. International Journal of Applied Ceramic Technology, 2011, 8, 940-946.	2.1	11

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145	Synthesis of cobalt nanoparticles to enhance magnetic permeability of metal-polymer composites. Advanced Powder Technology, 2011, 22, 649-656.	4.1	11
146	Photocatalytic activity of nitrogen-doped TiO ₂ -based nanowires: a photo-assisted Kelvin probe force microscopy study. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	11
147	Structural, thermal and microwave dielectric properties of the novel microwave material Ba ₂ TiGe ₂ O ₈ . Ceramics International, 2018, 44, 10824-10828.	4.8	11
148	Room temperature densified ceramics for weight optimized circular polarized GPS antenna design. Microwave and Optical Technology Letters, 2018, 60, 1061-1066.	1.4	11
149	High performance piezoelectric composite fabricated at ultra low temperature. Composites Part B: Engineering, 2022, 229, 109486.	12.0	11
150	Design and measurement data for a microwave dual-CP antenna using a new traveling-wave feed concept. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2880-2886.	4.6	10
151	Miniaturized low-loss Wilkinson power divider for RF front-end module applications. Microwave and Optical Technology Letters, 2006, 48, 660-663.	1.4	10
152	BST-COC COMPOSITE BASED RECTANGULAR DIELECTRIC RESONATOR ANTENNA (DRA) FOR 2.4 WLAN WRIST APPLICATIONS. Progress in Electromagnetics Research C, 2010, 16, 195-205.	0.9	10
153	Use of an open-ended coaxial cavity method to characterize powdery substances exposed to humidity. Applied Physics Letters, 2013, 103, .	3.3	10
154	Capability Assessment of Inkjet Printing for Reliable RFID Applications. IEEE Transactions on Device and Materials Reliability, 2017, 17, 281-290.	2.0	10
155	Application of landsat satellite data for mapping aquatic areas in north-eastern Finland. Aquatic Botany, 1985, 21, 285-294.	1.6	9
156	Multilayer resonators and a bandpass filter fabricated from a novel low-temperature co-fired ceramic. Journal of Electronic Materials, 2002, 31, 191-195.	2.2	9
157	Copper plating on and electrical investigation of a low-permittivity cycloolefin-copolymer. Polymer Testing, 2003, 22, 657-661.	4.8	9
158	Right/left-handed transmission line LTCC directional couplers. , 2007, , .		9
159	Interface circuit for resistive sensors utilizing digital potentiometers. Sensors and Actuators A: Physical, 2007, 138, 97-104.	4.1	9
160	Compensation of finger effect on a mobile terminal antenna by antenna selection. , 2010, , .		9
161	Influence of Thermal-Cycling-Induced Failures on the RF Performance of Ceramic Antenna Assemblies. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2011, 1, 1465-1472.	2.5	9
162	Inkjet-Printed Memristor: Printing Process Development. Japanese Journal of Applied Physics, 2013, 52, 05DB21.	1.5	9

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