

Heli Jantunen

List of Publications by Year in descending order

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296
papers

8,810
citations

57719

44
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54882

84
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313
all docs

313
docs citations

313
times ranked

7606
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High performance piezoelectric composite fabricated at ultra low temperature. Composites Part B: Engineering, 2022, 229, 109486. | 5.9 | 11 |
| 2 | Lens antenna adjustment for telecommunication and imaging modes in a <scp>subâ€THz</scp> radio system. Engineering Reports, 2022, 4, e12474. | 0.9 | 1 |
| 3 | Enhanced piezoelectric performance of ceramic-polymer composite cantilevers with thin metal substrates. Applied Physics Letters, 2022, 120, 052903. | 1.5 | 2 |
| 4 | Wood-based composite materials for ultralight lens antennas in 6G systems. Materials Advances, 2022, 3, 1687-1694. | 2.6 | 4 |
| 5 | A Resonator Enhanced UHF RFID Antenna Cable for Inventory and Warehouse Applications. IEEE Journal of Radio Frequency Identification, 2022, 6, 128-133. | 1.5 | 5 |
| 6 | Thermoplastic Laminate and Cordierite/Indialite Glass-Ceramic Hybrid Package for 15-GHz Operated Antennas. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 700-703. | 1.4 | 1 |
| 7 | Characterization of Li ₂ MoO ₄ /BaTiO ₃ All-Ceramic Films on Organic Substrate Printed Capacitors at 45 MHzâ€10 GHz. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, 29, 354-361. | 1.8 | 1 |
| 8 | Enhancing the thermoelectric performance of cold sintered calcium cobaltite ceramics through optimised heat-treatment. Journal of the European Ceramic Society, 2022, 42, 3920-3928. | 2.8 | 6 |
| 9 | Volume crystallization and microwave dielectric properties of indialite/cordierite glass by TiO ₂ addition. Ceramics International, 2021, 47, 2735-2742. | 2.3 | 21 |
| 10 | The Effect of Drop Shape, Sensing Volume and Raindrop Size Statistics to the Scattered Field on 300 GHz. IEEE Access, 2021, 9, 101381-101389. | 2.6 | 8 |
| 11 | Multilayer Glassâ€Ceramic/Ceramic Composite Substrates. , 2021, , 437-451. | | 2 |
| 12 | A SENSING DEMONSTRATION OF A SUB THZ RADIO LINK INCORPORATING A LENS ANTENNA. Progress in Electromagnetics Research Letters, 2021, 99, 119-126. | 0.4 | 7 |
| 13 | Resonatorâ€enhanced radiating cable for <scp>UHF RFID</scp> readers. Microwave and Optical Technology Letters, 2021, 63, 1842-1847. | 0.9 | 1 |
| 14 | Ultra-low permittivity ULTCC composite materials. Applied Physics Letters, 2021, 118, . | 1.5 | 8 |
| 15 | Dielectric Properties of Upside-Down SrTiO ₃ /Li ₂ MoO ₄ Composites Fabricated at Room Temperature. Frontiers in Materials, 2021, 8, . | 1.2 | 4 |
| 16 | The impact of lanthanum doping on the microstructure and colossal permittivity in Ba _x Sr _(1-x) TiO ₃ . Open Ceramics, 2021, 6, 100120. | 1.0 | 2 |
| 17 | Kirigami-inspired dual-parameter tactile sensor with ultrahigh sensitivity, multimodal and strain-insensitive features. Flexible and Printed Electronics, 2021, 6, 034005. | 1.5 | 4 |
| 18 | Lightweight porous silica foams with extreme-low dielectric permittivity and loss for future 6G wireless communication technologies. Nano Research, 2021, 14, 1450-1456. | 5.8 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Mobile and immobile boundaries in ferroelectric films. Scientific Reports, 2021, 11, 1899. | 1.6 | 4 |
| 20 | All-Around Universal and Photoelastic Self-Healing Elastomer with High Toughness and Resilience. Advanced Science, 2021, 8, e2103235. | 5.6 | 19 |
| 21 | An Ultralight High-Directivity Ceramic Composite Lens Antenna for 220–330 GHz. IEEE Access, 2021, 9, 156592-156598. | 2.6 | 3 |
| 22 | 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. | 4.0 | 14 |
| 23 | Microwave Materials for Defense and Aerospace Applications. , 2020, , 165-213. | | 3 |
| 24 | Spinel-olivine microwave dielectric ceramics with low sintering temperature and high quality factor for 5 GHz wi-fi antennas. Applied Materials Today, 2020, 21, 100826. | 2.3 | 18 |
| 25 | Ultra-low permittivity porous silica-cellulose nanocomposite substrates for 6G telecommunication. Nanotechnology, 2020, 31, 435203. | 1.3 | 17 |
| 26 | Effect of voids on thermomechanical cracking in lead-free Sn3Ag0.5Cu interconnections of power modules. Microelectronics Reliability, 2020, 109, 113674. | 0.9 | 6 |
| 27 | Stretchable Sensors with Tunability and Single Stimuli-Responsiveness through Resistivity Switching Under Compressive Stress. ACS Applied Materials & Interfaces, 2020, 12, 14433-14442. | 4.0 | 12 |
| 28 | Direct integration of dielectric all-ceramic thick films on a polymer substrate using room temperature fabrication. Journal of the European Ceramic Society, 2020, 40, 3984-3988. | 2.8 | 1 |
| 29 | A printable P(VDF-TrFE)-PZT Composite with Very High Piezoelectric Coefficient. Applied Materials Today, 2020, 20, 100696. | 2.3 | 7 |
| 30 | Oxygen vacancy dipoles in strained epitaxial BaTiO_3 films. Physical Review Research, 2020, 2, . | 1.3 | 22 |
| 31 | 3–3 Dipole lens antenna at 300 GHz with different permittivity lenses. , 2020, , . | | 8 |
| 32 | LOW PERMITTIVITY ENVIRONMENTALLY FRIENDLY LENSES FOR KU BAND. Progress in Electromagnetics Research Letters, 2020, 93, 1-7. | 0.4 | 4 |
| 33 | Compact Directive On-body UWB Antenna for Wireless Capsule Endoscopy Systems. , 2020, , . | | 0 |
| 34 | Ultralow temperature cofired BiZn_2VO_6 dielectric ceramics doped with B_2O_3 and Li_2CO_3 for ULTCC applications. Journal of the American Ceramic Society, 2019, 102, 1218-1226. | 1.9 | 21 |
| 35 | Biodegradable multiphase poly(lactic acid)/biochar/graphite composites for electromagnetic interference shielding. Composites Science and Technology, 2019, 181, 107704. | 3.8 | 55 |
| 36 | Reflector-Backed Antenna for UWB Medical Applications with On-Body Investigations. International Journal of Antennas and Propagation, 2019, 2019, 1-17. | 0.7 | 6 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Power Module Interconnection Reliability in BTS Applications. <i>IEEE Transactions on Device and Materials Reliability</i> , 2019, 19, 484-493. | 1.5 | 3 |
| 39 | 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 |
| 40 | Upside - down composites: Fabricating piezoceramics at room temperature. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3301-3306. | 2.8 | 19 |
| 41 | Solid Air – Low Temperature Manufacturing of Ultra-Low Permittivity Composite Materials for Future Telecommunication Systems. <i>Frontiers in Materials</i> , 2019, 6, . | 1.2 | 6 |
| 42 | 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 |
| 43 | 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 |
| 44 | Perovskite ferroelectric tuned by thermal strain. <i>Scientific Reports</i> , 2019, 9, 3677. | 1.6 | 25 |
| 45 | Structural, infrared reflectivity spectra and microwave dielectric properties of the Li7Ti3O9F ceramic. <i>Ceramics International</i> , 2019, 45, 10163-10169. | 2.3 | 44 |
| 46 | Dual Band CPW-Fed Double Monopole Antenna for 2.4/5.8 GHz ISM band Medical Applications. , 2019, , . | | 7 |
| 47 | The effect of titanium excess and deficiency on the microstructure and dielectric properties of lanthanum doped Ba0.55Sr0.45TiO3 with colossal permittivity. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1110-1115. | 2.8 | 4 |
| 48 | 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. | 3.2 | 19 |
| 49 | Upside-down composites: Electroceramics without sintering. <i>Applied Materials Today</i> , 2019, 15, 83-86. | 2.3 | 18 |
| 50 | Microwave Materials for Defense and Aerospace Applications. , 2019, , 1-48. | | 1 |
| 51 | Hybrid polar state in epitaxial (111) PbSc0.5Nb0.5O3 relaxor ferroelectric films. <i>Physical Review Materials</i> , 2019, 3, . | 0.9 | 2 |
| 52 | 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 |
| 53 | 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 |
| 54 | Ultrasensitive H2S gas sensors based on p-type WS2 hybrid materials. <i>Nano Research</i> , 2018, 11, 4215-4224. | 5.8 | 76 |

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| 55 | 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 |
| 56 | Characterization of PMMA/BaTiO ₃ Composite Layers Through Printed Capacitor Structures for Microwave Frequency Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018, 66, 1736-1743. | 2.9 | 4 |
| 57 | Ultra-low sintering temperature ceramic composites of CuMoO ₄ through Ag ₂ O addition for microwave applications. <i>Composites Part B: Engineering</i> , 2018, 141, 214-220. | 5.9 | 43 |
| 58 | Sintering behavior, microstructure and dielectric performance of BaTiO ₃ with 60 wt% addition of B ₂ O ₃ -Bi ₂ O ₃ -SiO ₂ -ZnO glass. <i>Journal of Alloys and Compounds</i> , 2018, 737, 392-397. | 2.8 | 9 |
| 59 | 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 |
| 60 | Piezoelectric Flexible LCP/PZT Composites for Sensor Applications at Elevated Temperatures. <i>Electronic Materials Letters</i> , 2018, 14, 113-123. | 1.0 | 17 |
| 61 | Low loss polypropylene-silicon composites for millimetre wave applications. <i>Materials Research Bulletin</i> , 2018, 104, 143-148. | 2.7 | 5 |
| 62 | 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 |
| 63 | 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 |
| 64 | Microwave dielectric properties of low-temperature sinterable $\text{Ba}(\text{Zr}, \text{Ti})\text{O}_3$. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1541-1547. | 2.8 | 32 |
| 65 | High-Directivity Antenna for Low-UWB Body Area Networks Applications. , 2018, , . | | 2 |
| 66 | Hybrid, Multi-Source, and Integrated Energy Harvesters. <i>Frontiers in Materials</i> , 2018, 5, . | 1.2 | 33 |
| 67 | 3D printed dielectric ceramic without a sintering stage. <i>Scientific Reports</i> , 2018, 8, 15955. | 1.6 | 19 |
| 68 | Boosting Photovoltaic Output of Ferroelectric Ceramics by Optoelectric Control of Domains. <i>Advanced Materials</i> , 2018, 30, e1803821. | 11.1 | 53 |
| 69 | Stretchable and Washable Strain Sensor Based on Cracking Structure for Human Motion Monitoring. <i>Scientific Reports</i> , 2018, 8, 13241. | 1.6 | 101 |
| 70 | Simulation and validation of temperature-dependent ferroelectric properties of multifunctional BCZT and KBNNO ceramics. <i>Materials Research Express</i> , 2018, 5, 116305. | 0.8 | 3 |
| 71 | Approach to Fabricate Rigid Substrate for 2.4 GHz Inverted-F Antenna Using a Room Temperature Curable Dielectric Ink on Photo and Nanopaper. <i>Journal of Electronic Materials</i> , 2018, 47, 3957-3962. | 1.0 | 3 |
| 72 | Energy Harvesting Research: The Road from Single Source to Multisource. <i>Advanced Materials</i> , 2018, 30, e1707271. | 11.1 | 203 |

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| 73 | Room-temperature-densified Li_2MoO_4 ceramic patch antenna and the effect of humidity. International Journal of Applied Ceramic Technology, 2017, 14, 50-55. | 1.1 | 32 |
| 74 | 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. | 1.9 | 13 |
| 75 | Ferroelectric, pyroelectric, and piezoelectric properties of a photovoltaic perovskite oxide. Applied Physics Letters, 2017, 110, . | 1.5 | 79 |
| 76 | Li_2MoO_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. | 1.9 | 32 |
| 77 | Hybrid Foam Pressure Sensor Utilizing Piezoresistive and Capacitive Sensing Mechanisms. IEEE Sensors Journal, 2017, 17, 4735-4746. | 2.4 | 49 |
| 78 | Continuous noninvasive monitoring of cell growth in disposable bioreactors. Sensors and Actuators B: Chemical, 2017, 251, 1009-1017. | 4.0 | 17 |
| 79 | Novel low-temperature sintering ceramic substrate based on indialite/cordierite glass ceramics. Japanese Journal of Applied Physics, 2017, 56, 10PE01. | 0.8 | 13 |
| 80 | Sintering behavior and characteristics study of BaTiO_3 with 50 wt% of $\text{B}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-SiO}_2\text{-ZnO}$ glass. Journal of the European Ceramic Society, 2017, 37, 1495-1500. | 2.8 | 14 |
| 81 | Microwave Characterization of Printed Inductors With Ferrimagnetic $\text{BaFe}_{12}\text{O}_{19}$ Composite Layers. IEEE Transactions on Magnetics, 2017, 53, 1-6. | 1.2 | 4 |
| 82 | Dual Polarized Dual Fed Vivaldi Antenna for Cellular Base Station Operating at 1.7-2.7 GHz. International Journal of Antennas and Propagation, 2017, 2017, 1-8. | 0.7 | 2 |
| 83 | A Game Changer: A Multifunctional Perovskite Exhibiting Giant Ferroelectricity and Narrow Bandgap with Potential Application in a Truly Monolithic Multienergy Harvester or Sensor. Advanced Materials, 2017, 29, 1700767. | 11.1 | 100 |
| 84 | Capability Assessment of Inkjet Printing for Reliable RFID Applications. IEEE Transactions on Device and Materials Reliability, 2017, 17, 281-290. | 1.5 | 10 |
| 85 | Energy Harvesting with a Bimorph Type Piezoelectric Diaphragm Multilayer Structure and Mechanically Induced Pre-stress. Energy Technology, 2016, 4, 620-624. | 1.8 | 14 |
| 86 | Fully printed memristors for a self-sustainable recorder of mechanical energy. Flexible and Printed Electronics, 2016, 1, 025002. | 1.5 | 19 |
| 87 | SiC MOSFET Soot Sensor in a Co-fired LTCC Package. Procedia Engineering, 2016, 168, 27-30. | 1.2 | 3 |
| 88 | Aging in epitaxial ferroelectric PbTiO_3 films. Journal of Advanced Dielectrics, 2016, 06, 1650026. | 1.5 | 2 |
| 89 | Room-temperature fabrication of microwave dielectric $\text{Li}_2\text{MoO}_4\text{-TiO}_2$ composite ceramics. Ceramics International, 2016, 42, 11442-11446. | 2.3 | 45 |
| 90 | Development of planar dielectric passive microwave circuits and antennas. , 2016, , . | | 0 |

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| 91 | Glass-Free CuMoO ₄ Ceramic with Excellent Dielectric and Thermal Properties for Ultralow Temperature Cofired Ceramic Applications. ACS Sustainable Chemistry and Engineering, 2016, 4, 5632-5639. | 3.2 | 86 |
| 92 | Dielectric properties of novel polyurethaneâ€“PZTâ€“graphite foam composites. Smart Materials and Structures, 2016, 25, 095039. | 1.8 | 9 |
| 93 | Screenâ€“printed mechanical switch based on stretchable PUâ€“foam film. Electronics Letters, 2016, 52, 1395-1397. | 0.5 | 3 |
| 94 | Enhancing polarization by electrode-controlled strain relaxation in PbTiO ₃ heterostructures. APL Materials, 2016, 4, . | 2.2 | 7 |
| 95 | 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 |
| 96 | Microwave properties of sphere-, flake-, and disc-shaped BaFe ₁₂ O ₁₉ nanoparticle inks for high-frequency applications on printed electronics. Journal of Magnetism and Magnetic Materials, 2016, 419, 218-224. | 1.0 | 8 |
| 97 | Low temperature co-fired ceramics with ultra-low sintering temperature: A review. Current Opinion in Solid State and Materials Science, 2016, 20, 151-170. | 5.6 | 237 |
| 98 | The effect of BaTiO ₃ particle shape on complex permittivity of 0.98MgTiO ₃ â€“0.02BaTiO ₃ composite powders at GHz frequencies. Materials Research Bulletin, 2016, 76, 300-304. | 2.7 | 5 |
| 99 | Printable Planar Dielectric Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 403-413. | 3.1 | 43 |
| 100 | Performance of LTCC embedded SiC gas sensors. Procedia Engineering, 2015, 120, 253-256. | 1.2 | 6 |
| 101 | LTCC, New Packaging Approach for Toxic Gas and Particle Detection. Procedia Engineering, 2015, 120, 484-487. | 1.2 | 2 |
| 102 | Printable planar dielectric passive microwave components. , 2015, , . | | 0 |
| 103 | Improvements and Modifications to Roomâ€“Temperature Fabrication Method for Dielectric Li ₂ MoO ₄ Ceramics. Journal of the American Ceramic Society, 2015, 98, 687-689. | 1.9 | 66 |
| 104 | Multilayer low temperature co-fired M-type barium hexaferrites and BaOâ€“(Nd _{1-x} Bi _x) ₂ O ₃ â€“4TiO ₂ dielectric ceramics. Ceramics International, 2015, 41, 12401-12406. | 2.3 | 3 |
| 105 | Electromechanical properties of PZT/P(VDF-TrFE) composite ink printed on a flexible organic substrate. Composites Part B: Engineering, 2015, 80, 217-222. | 5.9 | 24 |
| 106 | Polymer-ceramic composite filler selection using mixing rules. Journal of Applied Physics, 2015, 117, 064103. | 1.1 | 4 |
| 107 | Room temperature curable zirconium silicate dielectric ink for electronic applications. Journal of Materials Chemistry C, 2015, 3, 9240-9246. | 2.7 | 14 |
| 108 | Dielectric Properties of Ultraâ€“Low Sintering Temperature Al ₂ O ₃ â€“BBSZ Glass Composite. Journal of the American Ceramic Society, 2015, 98, 1133-1136. | 1.9 | 35 |

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| 109 | Cobalt Nanoparticle Inks for Printed High Frequency Applications on Polycarbonate. Journal of Electronic Materials, 2015, 44, 4884-4890. | 1.0 | 7 |
| 110 | Decreasing the relative permittivity of LTCC by porosification with poly(methyl methacrylate) microspheres. Ceramics International, 2015, 41, 10871-10877. | 2.3 | 8 |
| 111 | Loading efficiency equation for the estimation of dielectric properties of ceramic-polymer composites. Materials Today Communications, 2015, 5, 60-63. | 0.9 | 1 |
| 112 | Printable Planar Dielectric Waveguides Based on High-Permittivity Films. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2720-2729. | 2.9 | 9 |
| 113 | Low-loss dielectric ceramic materials and their properties. International Materials Reviews, 2015, 60, 392-412. | 9.4 | 519 |
| 114 | Facile synthesis of nanostructured carbon materials over RANEY® nickel catalyst films printed on Al ₂ O ₃ and SiO ₂ substrates. Journal of Materials Chemistry C, 2015, 3, 1823-1829. | 2.7 | 2 |
| 115 | BaTiO ₃ -P(VDF-TrFE) composite ink properties for printed decoupling capacitors. Composites Part B: Engineering, 2015, 70, 201-205. | 5.9 | 18 |
| 116 | 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 |
| 117 | ERRATA TO "FORMULATION OF SCREEN PRINTABLE COBALT NANOPARTICLE INK FOR HIGH FREQUENCY APPLICATIONS" BY M. NELO, A. SOWPATI, V. K. PALUKURU, J. JUUTI, AND H. JANTUNEN, IN PROGRESS IN ELECTROMAGNETICS RESEARCH, VOL. 110, 253-266, 2010. Progress in Electromagnetics Research Letters, 2014, 50, 99-100. | 0.4 | 1 |
| 118 | ERRATA TO "UTILIZATION OF SCREEN PRINTED LOW CURING TEMPERATURE COBALT NANOPARTICLE INK FOR MINIATURIZATION OF PATCH ANTENNAS" BY M. NELO, A. SOWPATI, V. K. PALUKURU, J. JUUTI, AND H. JANTUNEN, IN PROGRESS IN ELECTROMAGNETICS RESEARCH, VOL. 127, 427-444, 2012. Progress in Electromagnetics Research Letters, 2014, 50, 101-102. | 0.4 | 1 |
| 119 | A co-fired LTCC-PZT monomorph bridge type acceleration sensor. Sensors and Actuators A: Physical, 2014, 216, 370-375. | 2.0 | 18 |
| 120 | An indirectly coupled open-ended resonator applied to characterize dielectric properties of MgTiO ₃ -CaTiO ₃ powders. Journal of Applied Physics, 2014, 115, . | 1.1 | 14 |
| 121 | Dielectric Properties of Lithium Molybdate Ceramic Fabricated at Room Temperature. Journal of the American Ceramic Society, 2014, 97, 3378-3379. | 1.9 | 124 |
| 122 | Photocatalytic activity of nitrogen-doped TiO ₂ -based nanowires: a photo-assisted Kelvin probe force microscopy study. Journal of Nanoparticle Research, 2014, 16, 1. | 0.8 | 11 |
| 123 | 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. | 1.4 | 25 |
| 124 | Characterization of laser-sintered thick-film paste on polycarbonate substrates. Optics and Lasers in Engineering, 2014, 56, 19-27. | 2.0 | 4 |
| 125 | Piezoelectric circular diaphragm with mechanically induced pre-stress for energy harvesting. Smart Materials and Structures, 2014, 23, 085025. | 1.8 | 30 |
| 126 | Reliability of SMD interconnections on flexible low-temperature substrates with inkjet-printed conductors. Microelectronics Reliability, 2014, 54, 272-280. | 0.9 | 15 |

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| 127 | Determination of complex permittivity of surfactant treated powders using an open-ended coaxial cavity resonator. Powder Technology, 2014, 256, 140-145. | 2.1 | 8 |
| 128 | Radio Frequency Characteristics of Printed Meander Inductors and Interdigital Capacitors. Japanese Journal of Applied Physics, 2013, 52, 05DC08. | 0.8 | 0 |
| 129 | Miniaturisation of dual band monopole antennas loaded with screen printed cobalt nanoparticle ink. IET Microwaves, Antennas and Propagation, 2013, 7, 180-186. | 0.7 | 12 |
| 130 | Effective dielectric response of polymer composites with ceramic coated silver flakes. Journal of Materials Science: Materials in Electronics, 2013, 24, 191-195. | 1.1 | 6 |
| 131 | Preparation of $\text{Li}^{\pm}\text{-MnMoO}_4$ at ultra-low temperature on an organic substrate. Materials Research Bulletin, 2013, 48, 2403-2405. | 2.7 | 6 |
| 132 | Chemical sensor systems for emission control from combustions. Sensors and Actuators B: Chemical, 2013, 187, 184-190. | 4.0 | 21 |
| 133 | Room temperature hydrogen sensors based on metal decorated WO_3 nanowires. Sensors and Actuators B: Chemical, 2013, 186, 90-95. | 4.0 | 78 |
| 134 | Chemical sensor systems for environmental and emission control. , 2013, , . | | 0 |
| 135 | Inkjet-Printed Memristor: Printing Process Development. Japanese Journal of Applied Physics, 2013, 52, 05DB21. | 0.8 | 9 |
| 136 | Materials for Electronics by Thermal Spraying. Materials Science Forum, 2013, 762, 451-456. | 0.3 | 2 |
| 137 | Capacitive Sensing of Antenna Loading With an $\text{R}\hat{=}\text{C}$ Voltage Divider in a Tunable Antenna. IEEE Sensors Journal, 2013, 13, 849-853. | 2.4 | 3 |
| 138 | Electrocaloric properties in relaxor ferroelectric $(1\hat{x}x\langle/i\rangle)\text{Pb}(\text{Mg}1/3\text{Nb}2/3)\text{O}_3\hat{x}\langle/i\rangle\text{PbTiO}_3$ system. Journal of Applied Physics, 2013, 114, . | 1.1 | 81 |
| 139 | Method to characterize dielectric properties of powdery substances. Journal of Applied Physics, 2013, 114, . | 1.1 | 18 |
| 140 | Use of an open-ended coaxial cavity method to characterize powdery substances exposed to humidity. Applied Physics Letters, 2013, 103, . | 1.5 | 10 |
| 141 | FAILURE MODE CHARACTERIZATION IN INKJET-PRINTED CPW LINES UTILIZING A HIGH-FREQUENCY NETWORK ANALYZER AND POST-PROCESSED TDR ANALYSIS. Progress in Electromagnetics Research C, 2013, 43, 1-14. | 0.6 | 4 |
| 142 | Nanoparticle Dispersions. , 2013, , 729-776. | | 5 |
| 143 | Patterned Immobilization of Antibodies within Roll-to-Roll Hot Embossed Polymeric Microfluidic Channels. PLoS ONE, 2013, 8, e68918. | 1.1 | 36 |
| 144 | Multilayer low-temperature co-fired ceramic systems incorporating a thick-film printing process. , 2012, , 134-164. | | 4 |

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| 145 | Current State of the Mixed-Signal Test Bus 1149.4. Journal of Electronic Testing: Theory and Applications (JETTA), 2012, 28, 857-863. | 0.9 | 3 |
| 146 | A piezoelectric active mirror suspension system embedded into low-temperature cofired ceramic. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1990-1995. | 1.7 | 3 |
| 147 | Inkjet-printed gas sensors: metal decorated WO ₃ nanoparticles and their gas sensing properties. Journal of Materials Chemistry, 2012, 22, 17878. | 6.7 | 66 |
| 148 | Reliability of ICA attachment of SMDs on inkjet-printed substrates. Microelectronics Reliability, 2012, 52, 2709-2715. | 0.9 | 29 |
| 149 | UTILIZATION OF SCREEN PRINTED LOW CURING TEMPERATURE COBALT NANOPARTICLE INK FOR MINIATURIZATION OF PATCH ANTENNAS. Progress in Electromagnetics Research, 2012, 127, 427-444. | 1.6 | 8 |
| 150 | Tri-bandpass filter based on two stepped impedance resonators. Microwave and Optical Technology Letters, 2012, 54, 1765-1768. | 0.9 | 3 |
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