# HervÃ© Aubert

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 248 papers | 2,121 citations | 331670 21 h-index | 414414 32 g-index |
| 250 all docs | 250 docs citations | 250 times ranked | 1449 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Design and Implementation of Two-Layer Compact Wideband Butler Matrices in SIW Technology for Ku-Band Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 503-512. | 5.1 | 97 |
| 2 | RFID-Based Sensors for Zero-Power Autonomous Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 2419-2431. | 4.7 | 80 |
| 3 | Novel Design of a Highly Sensitive RF Strain Transducer for Passive and Remote Sensing in Two Dimensions. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1385-1396. | 4.6 | 56 |
| 4 | RFID technology for human implant devices. Comptes Rendus Physique, 2011, 12, 675-683. | 0.9 | 51 |
| 5 | Compact Rectennas for Ultra-Low-Power Wireless Transmission Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1697-1707. | 4.6 | 48 |
| 6 | Microwave Power Harvesting for Satellite Health Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1090-1098. | 4.6 | 46 |
| 7 | Fabrication of Fully Inkjet-Printed Vias and SIW Structures on Thick Polymer Substrates. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 486-496. | 2.5 | 46 |
| 8 | Novel Microwave Gas Sensor using Dielectric Resonator With SnO2 Sensitive Layer. Procedia Chemistry, 2009, 1, 935-938. | 0.7 | 43 |
| 9 | Novel Microfluidic Structures for Wireless Passive Temperature Telemetry Medical Systems Using Radar Interrogation Techniques in Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1706-1709. | 4.0 | 34 |
| 10 | Equivalent network representation of boundary conditions involving generalized trial quantities-application to lossy transmission lines with finite metallization thickness. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 869-876. | 4.6 | 30 |
| 11 | EQUIVALENT ELECTRICAL CIRCUIT FOR DESIGNING MEMS-CONTROLLED REFLECTARRAY PHASE SHIFTERS. Progress in Electromagnetics Research, 2010, 100, 1-12. | 4.4 | 30 |
| 12 | Design and Development of a Novel Passive Wireless Ultrasensitive RF Temperature Transducer for Remote Sensing. IEEE Sensors Journal, 2012, 12, 2756-2766. | 4.7 | 30 |
| 13 | Compact Printed Quadrifilar Helical Antenna With Iso-Flux-Shaped Pattern and High Cross-Polarization Discrimination. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 635-638. | 4.0 | 28 |
| 14 | Long-Range Wireless Interrogation of Passive Humidity Sensors Using Van-Atta Cross-Polarization Effect and Different Beam Scanning Techniques. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5345-5354. | 4.6 | 28 |
| 15 | Scale-Changing Technique for the Electromagnetic Modeling of MEMS-Controlled Planar Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3594-3601. | 4.6 | 27 |
| 16 | Height Reduction of the Axial-Mode Open-Ended Quadrifilar Helical Antenna. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 942-945. | 4.0 | 27 |
| 17 | Multiband rectenna for microwave applications. Comptes Rendus Physique, 2017, 18, 107-117. | 0.9 | 27 |
| 18 | Working principle description of the wireless passive EM transduction pressure sensor. EPJ Applied Physics, 2011, 56, 13702. | 0.7 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Pressure micro-sensor based on Radio-Frequency transducer. , 2008, , . | | 25 |
| 20 | Wideband two-layer SIW coupler: design and experiment. Electronics Letters, 2009, 45, 687. | 1.0 | 25 |
| 21 | Lacunarity of Rough Surfaces From the Wavelet Analysis of Scattering Data. IEEE Transactions on Antennas and Propagation, 2009, 57, 2130-2136. | 5.1 | 25 |
| 22 | A three-dimensional analysis of planar discontinuities by an iterative method. Microwave and Optical Technology Letters, 1996, 13, 372-376. | 1.4 | 24 |
| 23 | Origin and avoidance of spurious solutions in the transverse resonance method. IEEE Transactions on Microwave Theory and Techniques, 1993, 41, 450-456. | 4.6 | 23 |
| 24 | Load-Pull Effect on Radiation Characteristics of Active Antennas. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 550-552. | 4.0 | 22 |
| 25 | A new iterative method for scattering problems. , 1995, , . | | 21 |
| 26 | Radio frequency pressure transducer. , 2007, , . | | 21 |
| 27 | Tunable bandstop MEMS filter for millimetre-wave applications. Electronics Letters, 2007, 43, 675. | 1.0 | 21 |
| 28 | Wireless sensing and identification based on radar cross section variability measurement of passive electromagnetic sensors. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 425-435. | 2.5 | 21 |
| 29 | Ridge Substrate Integrated Waveguide (RSIW) Dual-Band Hybrid Ring Coupler. IEEE Microwave and Wireless Components Letters, 2012, 22, 70-72. | 3.2 | 19 |
| 30 | Millimeter-Wave Substrate Integrated Waveguide Passive Van Atta Reflector Array. IEEE Transactions on Antennas and Propagation, 2013, 61, 1465-1470. | 5.1 | 19 |
| 31 | COMPACT FLAT DIPOLE RECTENNA FOR IOT APPLICATIONS. Progress in Electromagnetics Research C, 2018, 87, 39-49. | 0.9 | 19 |
| 32 | Scale Changing Technique for the Electromagnetic Modeling of Planar Self-Similar Structures. IEEE Transactions on Antennas and Propagation, 2006, 54, 2783-2789. | 5.1 | 18 |
| 33 | THE CONCEPT OF SCALE-CHANGING NETWORK IN GLOBAL ELECTROMAGNETIC SIMULATION OF COMPLEX STRUCTURES. Progress in Electromagnetics Research B, 2009, 16, 127-154. | 1.0 | 18 |
| 34 | Wireless sensing and identification of passive electromagnetic sensors based on millimetre-wave FMCW RADAR. , 2012, , . | | 18 |
| 35 | Dual-Band Vector Sensor for Direction of Arrival Estimation of Incoming Electromagnetic Waves. IEEE Transactions on Antennas and Propagation, 2015, 63, 3662-3671. | 5.1 | 18 |
| 36 | Analysis of planar structures by an integral approach using entire domain trial functions. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2492-2495. | 4.6 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A novel passive wireless ultrasensitive RF temperature transducer for remote sensing. , 2010, , . | | 17 |
| 38 | Novel multi-layer SIW broadband coupler for Nolen matrix design in Ku band. , 2008, , . | | 16 |
| 39 | Miniaturization of quadrifilar helix antenna for VHF band applications. , 2009, , . | | 16 |
| 40 | <formula formulatype="inline"><tex Notation="TeX">$Ka$</tex> </formula>-Band Multiple Feed per Beam Focal Array Using Interleaved Couplers. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1322-1329. | 4.6 | 16 |
| 41 | Proximal Radar Sensors for Precision Viticulture. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4624-4635. | 6.3 | 16 |
| 42 | Cantor Spiral Array for the Design of Thinned Arrays. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 104-106. | 4.0 | 15 |
| 43 | A novel passive ultrasensitive RF temperature transducer for remote sensing and identification utilizing radar cross sections variability. , 2010, , . | | 15 |
| 44 | Recent advances in electromagnetic energy harvesting and Wireless Power Transfer for IoT and SHM applications. , 2017, , . | | 15 |
| 45 | New electromagnetic transduction micro-sensor concept for passive wireless pressure monitoring application. , 2009, , . | | 14 |
| 46 | Compact wideband double-layer half-mode substrate integrated waveguide 90Â° coupler. Electronics Letters, 2011, 47, 598. | 1.0 | 14 |
| 47 | Pressure sensing approach based on electromagnetic transduction principle. , 2008, , . | | 13 |
| 48 | Miniaturized Hybrid Ring Coupler Using Electromagnetic Bandgap Loaded Ridge Substrate Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2011, 21, 471-473. | 3.2 | 13 |
| 49 | Cancellation of Beam Squint with Frequency in Serial Beamforming Network-Fed Linear Array Antennas. IEEE Antennas and Propagation Magazine, 2012, 54, 32-39. | 1.4 | 13 |
| 50 | Electromagnetic Transduction for Wireless Passive Sensors. Procedia Engineering, 2012, 47, 1474-1483. | 1.2 | 13 |
| 51 | Wideband and Reconfigurable Vector Antenna Using Radiation Pattern Diversity for 3-D Direction-of-Arrival Estimation. IEEE Transactions on Antennas and Propagation, 2019, 67, 3586-3596. | 5.1 | 13 |
| 52 | Equivalent network representation of boundary conditions involving generalized trial quantities. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 285-292. | 2.5 | 12 |
| 53 | Fractal superlattices and their wavelet analyses. Optics Communications, 1998, 149, 207-212. | 2.1 | 12 |
| 54 | New micro-sensors identification techniques based on reconfigurable multi-band scatterers. , 2009, , . | | 12 |

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| 55 | Feasibility of wireless gas detection with an FMCW RADAR interrogation of passive RF gas sensor. , 2010, , . | | 12 |
| 56 | A newly developed radio frequency wireless passive highly sensitive strain transducer. , 2011, , . | | 12 |
| 57 | Scale-Changing Technique for the Computation of the Input Impedance of Active Patch Antennas. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 326-328. | 4.0 | 11 |
| 58 | Microwave energy harvesting for satellite applications. Electronics Letters, 2013, 49, 722-724. | 1.0 | 11 |
| 59 | Reconfigurable multi-band scatterers for micro-sensors identification. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , . | 0.0 | 10 |
| 60 | Inkjet-printed RFID-enabled sensors on paper for IoT and “Smart Skin” applications. , 2013, , . | | 10 |
| 61 | An inkjet-printed flexible broadband coupler in substrate integrated waveguide (SIW) technology for sensing, RFID and communication applications. , 2014, , . | | 10 |
| 62 | Wideband Vector Antenna for Dual-Polarized and Three-Dimensional Direction-Finding Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1572-1575. | 4.0 | 10 |
| 63 | Autonomous RFID Sensor Node Using a Single ISM Band for Both Wireless Power Transfer and Data Communication. Sensors, 2019, 19, 3330. | 3.8 | 10 |
| 64 | In-Situ Wireless Pressure Measurement Using Zero-Power Packaged Microwave Sensors. Sensors, 2019, 19, 1263. | 3.8 | 10 |
| 65 | Use of variable lacunarity, multigap, Cantor slabs in waveguides for the design of microwave filters. Microwave and Optical Technology Letters, 2001, 28, 127-130. | 1.4 | 9 |
| 66 | Wavelet analysis of transients in fractal superlattices. IEEE Transactions on Antennas and Propagation, 2002, 50, 338-345. | 5.1 | 9 |
| 67 | Miniature coplanar bandstop filter for Ka-band applications based on original resonant coupling irises topology. Electronics Letters, 2004, 40, 1274. | 1.0 | 9 |
| 68 | Novel millimeter-wave gas sensor using dielectric resonator with sensitive layer on TiO<inf>2</inf>. , 2009, , . | | 9 |
| 69 | Design of a highly sensitive wireless passive RF strain transducer. , 2011, , . | | 9 |
| 70 | A novel wireless passive temperature sensor utilizing microfluidic principles in millimeter-wave frequencies. , 2011, , . | | 9 |
| 71 | Wireless communicating nodes at 60ÂGHz integrated on flexible substrate for short-distance instrumentation in aeronautics and space. International Journal of Microwave and Wireless Technologies, 2012, 4, 109-117. | 1.9 | 9 |
| 72 | Design and implementation of a rectenna for satellite application. , 2013, , . | | 9 |

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| 73 | A novel dual-band retro-directive reflector array on paper utilizing Substrate Integrated Waveguide (SIW) and inkjet printing technologies for chipless RFID tag and sensor applications. , 2013, , . | | 9 |
| 74 | Rectenna design for K band application. , 2014, , . | | 9 |
| 75 | Remote estimation of intra-parcel grape quantity from three-dimensional imagery technique using ground-based microwave FMCW radar. IEEE Instrumentation and Measurement Magazine, 2017, 20, 20-24. | 1.6 | 9 |
| 76 | Reconfigurable Grounded Vector Antenna for 3-D Electromagnetic Direction-Finding Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 197-200. | 4.0 | 9 |
| 77 | Radar cross-section of self-similar planar targets. Electronics Letters, 2005, 41, 215. | 1.0 | 8 |
| 78 | L-band compact printed quadrifilar helix antenna with ‘Iso-Flux’ radiating pattern for stratospheric balloons telemetry. , 2008, , . | | 8 |
| 79 | Pressure measurement from the RADAR interrogation of passive sensors. , 2010, , . | | 8 |
| 80 | Long range wireless interrogation of passive humidity sensors using Van-Atta cross-polarization effect and 3D beam scanning analysis. , 2017, , . | | 8 |
| 81 | Design of air blast pressure sensors based on miniature silicon membrane and piezoresistive gauges. Journal of Physics: Conference Series, 2017, 922, 012019. | 0.4 | 8 |
| 82 | Classification of Radar Echoes for Identification and Remote Reading of Chipless Millimeter-Wave Sensors. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 926-937. | 4.6 | 8 |
| 83 | Smart MEMS concept for high secure RF and millimeterwave communications. Microelectronics Reliability, 2004, 44, 899-907. | 1.7 | 7 |
| 84 | Lacunarity of fractal superlattices: a remote estimation using wavelets. IEEE Transactions on Antennas and Propagation, 2005, 53, 1358-1363. | 5.1 | 7 |
| 85 | Compact printed quadrifilar helix antennas for stratospheric balloons telemetry. , 2007, , . | | 7 |
| 86 | Very compact quadrifilar helix antenna in VHF band with quasi hemispherical radiation pattern. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , . | 0.0 | 7 |
| 87 | Optimisation of MEMS-controlled reflectarray phase shifter cell. IET Microwaves, Antennas and Propagation, 2011, 5, 271. | 1.4 | 7 |
| 88 | Design of a highly sensitive wireless passive RF strain transducer. , 2011, , . | | 7 |
| 89 | Miniaturisation of quadrifilar helical antenna: impact on efficiency and phase centre position. IET Microwaves, Antennas and Propagation, 2013, 7, 202-207. | 1.4 | 7 |
| 90 | 3D scanning and sensing technique for the detection and remote reading of a passive temperature sensor. , 2016, , . | | 7 |

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| 91 | 900 MHz Miniaturized Rectenna. , 2018, , . | | 7 |
| 92 | Equivalent circuit representation of lossy coplanar waveguides. Annales Des Telecommunications/Annals of Telecommunications, 1992, 47, 551-554. | 2.5 | 6 |
| 93 | Elimination of spurious solutions in the calculation of eigenmodes by moment method. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 154-157. | 4.6 | 6 |
| 94 | Lacunarity of multi-gap fractal superlattices using wavelet analysis. Optics Communications, 2001, 197, 255-260. | 2.1 | 6 |
| 95 | Tunable Bandstop and Bandpass MEMS Filters for Millimeter Wave Applications. , 2008, , . | | 6 |
| 96 | Wide band passive repeaters: Design and measurements. , 2009, , . | | 6 |
| 97 | Design and experimental validation of a compact quadrifilar helix antenna in VHF band. , 2009, , . | | 6 |
| 98 | A novel passive wireless ultrasensitive RF temperature transducer for remote sensing. , 2010, , . | | 6 |
| 99 | Analysis and design of a compact SIW-based multi-layer wideband phase shifter for Ku-band applications. , 2010, , . | | 6 |
| 100 | Phenomenological theory and experimental characterizations of passive wireless EM pressure micro-sensor prototype. , 2010, , . | | 6 |
| 101 | Energy Harvesting for Powering Wireless Sensor Networks On-Board Geostationary Broadcasting Satellites. , 2012, , . | | 6 |
| 102 | A new millimeter-wave micro-fluidic temperature sensor for wireless passive radar interrogation. , 2012, , . | | 6 |
| 103 | Spiral antenna miniaturization in Very High Frequency band. , 2012, , . | | 6 |
| 104 | Novel inkjet printed modules for sensing, radar and energy harvesting applications. , 2014, , . | | 6 |
| 105 | Compact rectenna for space application. , 2014, , . | | 6 |
| 106 | Multiband rectenna for microwave applications. , 2016, , . | | 6 |
| 107 | AUTOMATED MONITORING OF LIVESTOCK BEHAVIOR USING FREQUENCY-MODULATED CONTINUOUS-WAVE RADARS. Progress in Electromagnetics Research M, 2018, 69, 151-160. | 0.9 | 6 |
| 108 | Compact Planar Integrated Rectenna for Batteryless IoT Applications. , 2018, , . | | 6 |

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| 109 | Self-similar multi-slab media with variable lacunarity for design of selective microwave filters. Electronics Letters, 2001, 37, 1071. | 1.0 | 5 |
| 110 | Scale Changing Technique for MEMS-controlled phase-shifters. , 2006, , . | | 5 |
| 111 | Novel two-layer broadband 4 × 4 Butler matrix in SIW technology for Ku-band applications. , 2008, , . | | 5 |
| 112 | Multiband Pyramidal Antenna Loaded With a Cutoff Open-Ended Waveguide. IEEE Transactions on Antennas and Propagation, 2009, 57, 266-270. | 5.1 | 5 |
| 113 | Compact Helical Antennas - A Review. Recent Patents on Electrical Engineering, 2010, 3, 1-9. | 0.4 | 5 |
| 114 | MULTI-SCALE APPROACH FOR THE ELECTROMAGNETIC SIMULATION OF FINITE SIZE AND THICK FREQUENCY SELECTIVE SURFACES. Progress in Electromagnetics Research M, 2011, 17, 43-57. | 0.9 | 5 |
| 115 | Design of multiple feed per beam antenna based on a 3-d directional coupler topology. , 2012, , . | | 5 |
| 116 | A conformal/rollable monolithic miniaturized ultra-portable ground penetrating radar using additive and inkjet printing. , 2014, , . | | 5 |
| 117 | Reflection of Electromagnetic Waves From Moving Interfaces for Analyzing Shock Phenomenon in Solids. Radio Science, 2018, 53, 888-894. | 1.6 | 5 |
| 118 | Resonant Coupling Irises for the Design of New Planar Bandstop Filters. , 2002, , . | | 4 |
| 119 | MEMS and NEMS technologies for wireless communications. , 0, , . | | 4 |
| 120 | Compact circularly polarized radiating element for Ka-band satellite communications. , 0, , . | | 4 |
| 121 | N-port network for the electromagnetic modeling of mems switches. Microwave and Optical Technology Letters, 2005, 45, 46-49. | 1.4 | 4 |
| 122 | Tunable MEMS Filters for Millimeter Wave Applications. , 2006, , . | | 4 |
| 123 | Electromagnetic simulation of MEMS-controlled reflectarrays based on SCT in grid environment. , 2007, , . | | 4 |
| 124 | Monolithic electromagnetic modeling of multi-scale structures based on scale-changing networks. , 2008, , . | | 4 |
| 125 | Minimizing Electromagnetic Scattering by Varying Height of Metallic Surfaces. IEEE Microwave and Wireless Components Letters, 2008, 18, 299-301. | 3.2 | 4 |
| 126 | Electromagnetic simulations via parallel computing: an application using scale changing technique for modeling of passive planar reflectarrays in grid environment. , 2008, , . | | 4 |

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|---|---|---|---|
| 127 | Multi-scale approach for the electromagnetic modeling of metallic FSS grids of finite thickness with non-uniform cells. , 2009, , . | | 4 |
| 128 | Comparative analysis of different techniques for controlling ratchet effect in a periodic array of asymmetric antidots. , 2009, , . | | 4 |
| 129 | Sierpinski Pyramidal Antenna Loaded With a Cutoff Open-Ended Waveguide. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 352-355. | 4.0 | 4 |
| 130 | 3D heterogeneous integration of wireless communicating nano-sensors on flexible substrate. , 2010, , . | | 4 |
| 131 | 60GHz wireless nano-sensors network for structure health monitoring as enabler for safer, greener aircrafts. , 2010, , . | | 4 |
| 132 | Miniaturization of Quadrifilar Helix Antennas for space applications. , 2012, , . | | 4 |
| 133 | NOVEL VECTOR SENSORS DESIGN WITH THREE CO-LOCATED OR DISTRIBUTED ELEMENTS FOR THE 3D DOA ESTIMATION. Progress in Electromagnetics Research B, 2014, 57, 207-220. | 1.0 | 4 |
| 134 | An inkjet-printed flexible broadband multilayer SIW coupler for antenna array systems. , 2014, , . | | 4 |
| 135 | 3D scanning radar for the remote reading of passive electromagnetic sensors. , 2015, , . | | 4 |
| 136 | Wireless pressure measurement in air blast using PVDF sensors. , 2016, , . | | 4 |
| 137 | Wireless passive sensors interrogation technique based on a three-dimensional analysis. , 2016, , . | | 4 |
| 138 | Wireless sensors for the incident pressure measurement in air blast. , 2016, , . | | 4 |
| 139 | Wireless and passive nuclear radiation sensors. , 2017, , . | | 4 |
| 140 | Wireless Remote Monitoring of Packaged Passive Sensor for In-situ Pressure Measurement in Highly Reflective Environments. , 2018, , . | | 4 |
| 141 | Static and Dynamic Permittivity Measurement of High Explosives in the W Band to Investigate Shock and Detonation Phenomena. Propellants, Explosives, Pyrotechnics, 2019, 44, 153-159. | 1.6 | 4 |
| 142 | Radar Imaging Approach for Zero-Power Millimeter-Wave Wireless Sensors. , 2019, , . | | 4 |
| 143 | Deployment and management of large planar reflectarray antennas simulation on grid. , 2009, , . | | 4 |
| 144 | Continuous Wavelet Transform Analysis of Fractal Superlattices. , 1999, , 245-259. | | 3 |

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|---|---|---|---|
| 145 | MEMS devices for the future wireless applications. , 0, , . | | 3 |
| 146 | Radar cross section of discrete self-similar objects using a recursive electromagnetic analysis. , 2004, , . | | 3 |
| 147 | Cross-shaped fractal antenna: A compact circularly polarized radiating element. Microwave and Optical Technology Letters, 2004, 43, 518-521. | 1.4 | 3 |
| 148 | A multi-scale technique for the electromagnetic modeling of active antennas. , 2004, , . | | 3 |
| 149 | Pyramidal multi-band antennas for GPS/Galileo/MicroSat application. , 2007, , . | | 3 |
| 150 | New topologies of tunable bandstop MEMS filters for millimeter wave applications. , 2007, , . | | 3 |
| 151 | Modeling of infinite passive planar structures using scale-changing technique. , 2008, , . | | 3 |
| 152 | Trap-loaded pyramidal Tri-band antenna for satellite applications. , 2008, , . | | 3 |
| 153 | Diode modeling for milimeter wave applications based on co-simulation technique. , 2012, , . | | 3 |
| 154 | A dual-band retrodirective reflector array on paper utilizing Substrate Integrated Waveguide (SIW) and inkjet printing Technologies for Chipless RFID Tag and Sensor Applications. , 2013, , . | | 3 |
| 155 | K-band energy harvesting for satellite application. , 2013, , . | | 3 |
| 156 | Resonant metallic rings with irregular contours for spiral antennas miniaturization. , 2014, , . | | 3 |
| 157 | MINIATURIZATION OF COMPACT QUADRIFILAR HELIX ANTENNAS FOR TELEMETRY, TRACKING AND COMMAND APPLICATIONS. Progress in Electromagnetics Research C, 2015, 60, 125-136. | 0.9 | 3 |
| 158 | High doses wireless radiation sensor using electromagnetic transducers. , 2015, , . | | 3 |
| 159 | 3D microwave imaging system for the remote detection and reading of passive sensors. , 2015, , . | | 3 |
| 160 | Ultra-compact Ku band rectenna. , 2015, , . | | 3 |
| 161 | Incident pressure measurement in air blast using wireless sensors. , 2016, , . | | 3 |
| 162 | Cross dipoles rectenna for microwave applications. , 2016, , . | | 3 |

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|---|---|---|---|
| 163 | Passive and Chipless Packaged Sensor for the Wireless Pressure Monitoring in Harsh Environment. Proceedings (mdpi), 2017, 1, . | 0.2 | 3 |
| 164 | 3D Direction-of-Arrival Estimation using a Wideband Vector Antenna. , 2018, , . | | 3 |
| 165 | Passive and chipless packaged transducer for wireless pressure measurement. Sensors and Actuators A: Physical, 2018, 279, 753-762. | 4.1 | 3 |
| 166 | Millimetre-Wave Interrogation of Passive Sensors Embedded Inside Closed Reverberant Environments from Dual-Polarized Passive Repeaters. , 2019, , . | | 3 |
| 167 | Design and Characterization of a Compact Rectenna for Structural Health Monitoring Applications. , 2019, , . | | 3 |
| 168 | Aperture-Coupled Microstrip Resonator for Millimeter-Wave Passive Pressure Sensors. , 2019, , . | | 3 |
| 169 | Long-Range Zero-Power Multi-Sensing in Industrial Environment using Polarization Diversity and 3D Radar Imagery. , 2020, , . | | 3 |
| 170 | 3D Trajectories of Multiple Untagged Flying Insects from Millimetre-wave Beamscanning Radar. , 2020, , . | | 3 |
| 171 | A Non-Invasive Millimetre-Wave Radar Sensor for Automated Behavioural Tracking in Precision Farmingâ€"Application to Sheep Husbandry. Sensors, 2021, 21, 8140. | 3.8 | 3 |
| 172 | Application of bilateral slotlines to broadband microwave components. , 1993, , . | | 2 |
| 173 | Complex modes in open and shielded lossless planar transmission lines and their correspondence with leaky modes. Electronics Letters, 1994, 30, 246-248. | 1.0 | 2 |
| 174 | Wavelet-based partition function for remote analysis of fractal superlattices. Electronics Letters, 2002, 38, 741. | 1.0 | 2 |
| 175 | Frequency response of self-similar planar waveguides. Microwave and Optical Technology Letters, 2003, 37, 208-210. | 1.4 | 2 |
| 176 | Design of MEMS-based microwave and millimeterwave switches for high power applications. , 0, , . | | 2 |
| 177 | Design of a broadband WR-to-CPWG millimeter-wave transition. Microwave and Optical Technology Letters, 2004, 43, 11-14. | 1.4 | 2 |
| 178 | Number of elements in polyadic Cantor arrays for Tx-band satellite applications. , 0, , . | | 2 |
| 179 | Multi-scale approach for the electromagnetic modelling of MEMS-controlled reflectarrays. , 2006, , . | | 2 |
| 180 | Highly compact composite antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , . | 0.0 | 2 |

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|---|---|---|---|
| 181 | Full-wave analysis of planar structures using Scale Changing Technique under feed-horn excitation. , 2010, , . | | 2 |
| 182 | EM modeling of periodic microstrip reflectarrays using Scale-Changing Technique. , 2010, , . | | 2 |
| 183 | A Dual-band High Impedance Surface mounted with a spiral antenna for GNSS applications. , 2011, , . | | 2 |
| 184 | Efficient large electromagnetic problem solving by hybrid TLM and modal approach on grid computing. , 2012, , . | | 2 |
| 185 | Compact VHF quadrifilar helix antenna. , 2012, , . | | 2 |
| 186 | Wireless chipless passive microfluidic temperature sensor. , 2013, , . | | 2 |
| 187 | Ka-band Multiple Feed per Beam antenna architecture based on interleaved 3-D directional couplers. , 2013, , . | | 2 |
| 188 | Overview of electromagnetic transducers with radar interrogation for passive wireless sensors applications. , 2014, , . | | 2 |
| 189 | Inkjet-printed “Zero-Power” wireless sensor and power management nodes for IoT and “Smart Skin” applications. , 2014, , . | | 2 |
| 190 | Large electromagnetic simulation by hybrid approach on largeâ€scale parallel computing systems. Concurrency Computation Practice and Experience, 2015, 27, 3184-3204. | 2.2 | 2 |
| 191 | Wireless hydrogen pressure dosimeter for nuclear high dose monitoring. , 2016, , . | | 2 |
| 192 | Technique for wireless reading of passive microfluidic sensors. Electronics Letters, 2018, 54, 150-151. | 1.0 | 2 |
| 193 | Compact Flat Dipole Rectenna for Energy Harvesting or Wireless Power Transmission Applications. , 2018, , . | | 2 |
| 194 | Dual-Polarized Through-Wall Repeater for the Wireless Reading of Millimeter-Wave Passive Sensors. , 2019, , . | | 2 |
| 195 | Wireless Transmission of Friedlanderâ€Type Signals for the Dynamic Measurement of Blast Pressure. Propellants, Explosives, Pyrotechnics, 2021, 46, 563-571. | 1.6 | 2 |
| 196 | Wireless Measurement of the Pressure from the Ka-Band Radar Echo of a 3D-Printed Microfluidic Depolarizing Sensor. , 2021, , . | | 2 |
| 197 | Dynamic Estimation of the Yield in Precision Viticulture From Mobile Millimeter-Wave Radar Systems. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 2 |
| 198 | Frequency Bandwidth of Pressure Sensors Dedicated to Blast Experiments. Sensors, 2022, 22, 3790. | 3.8 | 2 |

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|---|---|---|---|
| 199 | Analysis of discontinuous-layer propagation structures by transverse resonance method. Electronics Letters, 1993, 29, 2086. | 1.0 | 1 |
| 200 | Q-factor computation of radiation loss corresponding to surface wave in a patch circular resonator. Electronics Letters, 1996, 32, 2039. | 1.0 | 1 |
| 201 | Remote analysis of discrete self-similar objects from a wavelet-based partition function. , 0, , . | | 1 |
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