

Lauri T SydÄänheimo

List of Publications by Year in descending order

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226
papers

4,183
citations

126708

33
h-index

168136

53
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228
all docs

228
docs citations

228
times ranked

2936
citing authors

#	ARTICLE	IF	CITATIONS
1	Inkjet-Printed Humidity Sensor for Passive UHF RFID Systems. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2768-2777.	2.4	183
2	Effects of metallic plate size on the performance of microstrip patch-type tag antennas for passive RFID. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 410-413.	2.4	132
3	Miniature implantable and wearable on-body antennas: towards the new era of wireless body-centric systems [antenna applications corner]. IEEE Antennas and Propagation Magazine, 2014, 56, 271-291.	1.2	122
4	A Fully Inkjet-Printed Wireless and Chipless Sensor for CO ₂ and Temperature Detection. IEEE Sensors Journal, 2015, 15, 89-99.	2.4	114
5	Small and Flexible Metal Mountable Passive UHF RFID Tag on High-Dielectric Polymer-Ceramic Composite Substrate. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1319-1322.	2.4	105
6	CHIP IMPEDANCE MATCHING FOR UHF RFID TAG ANTENNA DESIGN. Progress in Electromagnetics Research, 2008, 81, 359-370.	1.6	104
7	Fabrication and Characterization of Graphene Antenna for Low-Cost and Environmentally Friendly RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1569-1572.	2.4	95
8	Radio Frequency Technology for Automated Manufacturing and Logistics Control. Part 1: Passive RFID Systems and the Effects of Antenna Parameters on Operational Distance. International Journal of Advanced Manufacturing Technology, 2003, 21, 769-774.	1.5	84
9	Analysis of electrically conductive silver ink on stretchable substrates under tensile load. Microelectronics Reliability, 2010, 50, 2001-2011.	0.9	80
10	Fundamental Characteristics of Electro-Textiles in Wearable UHF RFID Patch Antennas for Body-Centric Sensing Systems. IEEE Transactions on Antennas and Propagation, 2014, 62, 6454-6462.	3.1	80
11	Radar cross-section analysis for passive RFID systems. IET Microwaves Antennas and Propagation, 2006, 153, 103.	1.2	74
12	Embedded wireless strain sensors based on printed RFID tag. Sensor Review, 2011, 31, 32-40.	1.0	73
13	Design and Implementation of Electro-Textile Ground Planes for Wearable UHF RFID Patch Tag Antennas. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 964-967.	2.4	71
14	Flexible and Stretchable Brush-Painted Wearable Antenna on a Three-Dimensional (3-D) Printed Substrate. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3108-3112.	2.4	70
15	Operability of Folded Microstrip Patch-Type Tag Antenna in the UHF RFID Bands Within 865-928 MHz. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 414-417.	2.4	68
16	A Novel Near-Transparent ASK-Reconfigurable Inkjet-Printed Chipless RFID Tag. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 753-756.	2.4	67
17	Passive UHF RFID Tag for Heat Sensing Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 4056-4064.	3.1	65
18	Advances in antenna designs for UHF RFID tags mountable on conductive items. IEEE Antennas and Propagation Magazine, 2014, 56, 79-103.	1.2	65

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19	The Effect of Conductive Ink Layer Thickness on the Functioning of Printed UHF RFID Antennas. Proceedings of the IEEE, 2010, 98, 1610-1619.	16.4	62
20	Radio frequency technology for automated manufacturing and logistics control. Part 2: RFID antenna utilisation in industrial applications. International Journal of Advanced Manufacturing Technology, 2006, 31, 116-124.	1.5	55
21	Passive UHF Inkjet-Printed Narrow-Line RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 440-443.	2.4	55
22	The effects of recurrent stretching on the performance of electro-textile and screen-printed ultra-high-frequency radio-frequency identification tags. Textile Research Journal, 2015, 85, 294-301.	1.1	53
23	Passive UHF RFID in Paper Industry: Challenges, Benefits and the Application Environment. IEEE Transactions on Automation Science and Engineering, 2009, 6, 66-79.	3.4	49
24	Printed humidity sensor for UHF RFID systems. , 2010, , .		49
25	Impact of Moisture and Washing on the Performance of Embroidered UHF RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1590-1593.	2.4	49
26	Backscattering Neural Tags for Wireless Brain-Machine Interface Systems. IEEE Transactions on Antennas and Propagation, 2015, 63, 719-726.	3.1	48
27	Effects of size and shape of metallic objects on performance of passive radio frequency identification. International Journal of Advanced Manufacturing Technology, 2006, 30, 897-905.	1.5	46
28	SAR reduction and link optimization for mm-size remotely powered wireless implants using segmented loop antennas. , 2011, , .		45
29	Inkjet-Printed Wideband Planar Monopole Antenna on Cardboard for RF Energy-Harvesting Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 325-328.	2.4	44
30	Experimental Study on the Washing Durability of Electro-Textile UHF RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 466-469.	2.4	43
31	Implementation of a Dual-Interrogation-Mode Embroidered RFID-Enabled Strain Sensor. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1272-1275.	2.4	42
32	Optimization of Inkjet Printing of Patch Antennas on Low-Cost Fibrous Substrates. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 915-918.	2.4	40
33	Reconfigurable Sensing Antenna: A Slotted Patch Design With Temperature Sensation. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 632-635.	2.4	38
34	Design and realization of stretchable sewn chipless RFID tags and sensors for wearable applications. , 2013, , .		36
35	Electromagnetic Analyses of Near Field UHF RFID Systems. IEEE Transactions on Antennas and Propagation, 2010, 58, 1759-1770.	3.1	35
36	Read Range Performance Comparison of Compact Reader Antennas for a Handheld UHF RFID Reader. , 2007, , .		34

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37	Inkjet-printed passive UHF RFID tags: review and performance evaluation. International Journal of Advanced Manufacturing Technology, 2012, 62, 167-182.	1.5	34
38	Reliability of washable wearable screen printed UHF RFID tags. Microelectronics Reliability, 2014, 54, 840-846.	0.9	34
39	Temperature sensor tag for passive UHF RFID systems. , 2011, , .		33
40	Design of Wireless Links to Implanted Brain-Machine Interface Microelectronic Systems. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1663-1666.	2.4	33
41	Hybrid WLAN-RFID Indoor Localization Solution Utilizing Textile Tag. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1358-1361.	2.4	33
42	Analysis of Silver Ink Bow-Tie RFID Tag Antennas Printed on Paper Substrates. International Journal of Antennas and Propagation, 2007, 2007, 1-9.	0.7	31
43	Characterization of UHF RFID tags fabricated directly on convex surfaces by pad printing. International Journal of Advanced Manufacturing Technology, 2011, 53, 577-591.	1.5	29
44	Sewed textile RFID tag and sensor antennas for on-body use. , 2012, , .		29
45	Remotely Powered Piezoresistive Pressure Sensor: Toward Wireless Monitoring of Intracranial Pressure. IEEE Microwave and Wireless Components Letters, 2016, 26, 549-551.	2.0	29
46	Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts. Scientific Reports, 2017, 7, 8988.	1.6	29
47	Textile-Based Batteryless Moisture Sensor. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 198-202.	2.4	29
48	The Effect of Fabrication Method on Passive UHF RFID Tag Performance. International Journal of Antennas and Propagation, 2009, 2009, 1-8.	0.7	26
49	Analysis of wireless powering of mm-size neural recording tags in RFID-inspired wireless brain-machine interface systems. , 2013, , .		26
50	Characterization of Passive UHF RFID Tag Performance. IEEE Antennas and Propagation Magazine, 2008, 50, 207-212.	1.2	25
51	Printed passive UHF RFID tags as wearable strain sensors. , 2010, , .		25
52	Performance of High-Permittivity Ceramic-Polymer Composite as a Substrate for UHF RFID Tag Antennas. International Journal of Antennas and Propagation, 2012, 2012, 1-8.	0.7	25
53	Implementation of Tx/Rx isolation in an RFID reader. International Journal of Radio Frequency Identification Technology and Applications, 2006, 1, 74.	0.5	24
54	Inductively Powered Pressure Sensing System Integrating a Far-Field Data Transmitter for Monitoring of Intracranial Pressure. IEEE Sensors Journal, 2017, 17, 2191-2197.	2.4	23

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55	Wireless Measurement of RFID IC Impedance. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3194-3206.	2.4	22
56	Towards Washable Electrotextile UHF RFID Tags: Reliability Study of Epoxy-Coated Copper Fabric Antennas. International Journal of Antennas and Propagation, 2015, 2015, 1-8.	0.7	22
57	Split-Ring Resonator Antenna System With Cortical Implant and Head-Worn Parts for Effective Far-Field Implant Communications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 710-713.	2.4	22
58	Double Split Rings as Extremely Small and Tuneable Antennas for Brain Implantable Wireless Medical Microsystems. IEEE Transactions on Antennas and Propagation, 2021, 69, 760-768.	3.1	22
59	Inkjet-Printed UHF RFID Tags on Renewable Materials. Advances in Internet of Things, 2012, 02, 79-85.	1.8	22
60	Wireless channel characterization for mm-size neural implants. , 2010, 2010, 1565-8.		21
61	COMPACT METAL MOUNTABLE UHF RFID TAG ON A BARIUM TITANATE BASED SUBSTRATE. Progress in Electromagnetics Research C, 2012, 26, 43-57.	0.6	21
62	Characterization of Two-Turns External Loop Antenna With Magnetic Core for Efficient Wireless Powering of Cortical Implants. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1410-1413.	2.4	21
63	Performance issues on the wireless 2.4 GHz ISM band in a multisystem environment. IEEE Transactions on Consumer Electronics, 2002, 48, 638-643.	3.0	20
64	Biotelemetric Wireless Intracranial Pressure Monitoring: An In Vitro Study. International Journal of Antennas and Propagation, 2015, 2015, 1-10.	0.7	20
65	The effect of conductor thickness in passive inkjet printed RFID tags. , 2010, , .		19
66	Testing the effects of temperature and humidity on printed passive UHF RFID tags on paper substrate. International Journal of Electronics, 2014, 101, 711-730.	0.9	19
67	Performance comparison of silver ink and copper conductors for microwave applications. IET Microwaves, Antennas and Propagation, 2010, 4, 1224.	0.7	18
68	Long range metal mountable tag antenna for passive UHF RFID systems. , 2011, , .		18
69	Measurement of Wireless Link for Brain-Machine Interface Systems Using Human-Head Equivalent Liquid. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1307-1310.	2.4	18
70	Automated Identification of Plywood Using Embedded Inkjet-Printed Passive UHF RFID Tags. IEEE Transactions on Automation Science and Engineering, 2013, 10, 796-806.	3.4	18
71	Measurement of Wireless Power Transfer to Deep-Tissue RFID-Based Implants Using Wireless Repeater Node. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2171-2174.	2.4	18
72	Comparison of Wearable E-Textile Split Ring Resonator and Slotted Patch RFID Reader Antennas Embedded in Work Gloves. IEEE Journal of Radio Frequency Identification, 2019, 3, 259-264.	1.5	18

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73	Evolutionary RFID tag antenna design for paper industry applications. International Journal of Radio Frequency Identification Technology and Applications, 2006, 1, 107.	0.5	17
74	Kilavi platform for wireless building automation. Energy and Buildings, 2008, 40, 1721-1730.	3.1	17
75	Analysis of integrated slot-type tag antennas for passive UHF RFID. , 2006, , .		15
76	Albano multidimensional UHF passive RFID tag antenna designs. International Journal of Radio Frequency Identification Technology and Applications, 2006, 1, 24.	0.5	15
77	Fabrication of embroidered UHF RFID tags. , 2012, , .		15
78	An Embroidered Two-Dimensional Chipless Strain Sensor for Wireless Structural Deformation Monitoring. IEEE Sensors Journal, 2013, 13, 4627-4637.	2.4	15
79	A novel inkjet-printed wireless chipless strain and crack sensor on flexible laminates. , 2014, , .		15
80	Dual port temperature sensor tag for passive UHF RFID systems. Sensor Review, 2014, 34, 154-169.	1.0	15
81	Miniature Coplanar Implantable Antenna on Thin and Flexible Platform for Fully Wireless Intracranial Pressure Monitoring System. International Journal of Antennas and Propagation, 2017, 2017, 1-9.	0.7	15
82	Threshold Power-based Radiation Pattern Measurement of Passive UHF RFID Tags. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2010, 6, 523-526.	0.4	15
83	A fully inkjet-printed chipless RFID gas and temperature sensor on paper. , 2014, , .		14
84	A novel carbon nanotube loaded passive UHF RFID sensor tag with built-in reference for wireless gas sensing. , 2016, , .		14
85	A Selective Ink Deposition Method for the Cost-Performance Optimization of Inkjet-Printed UHF RFID Tag Antennas. International Journal of Antennas and Propagation, 2012, 2012, 1-9.	0.7	13
86	Design and optimization of mm-size implantable and wearable on-body antennas for biomedical systems. , 2014, , .		13
87	Correlation of component human body model and charged device model qualification levels with electrical failures in electronics assembly. Journal of Electrostatics, 2016, 79, 38-44.	1.0	13
88	Folded microstrip patch antenna for RFID tagging of objects containing metallic foil. , 0, , .		12
89	Energy Aware Reliable Routing Protocol for Mobile Ad Hoc Networks. , 2007, , .		12
90	Inkjet-printable UHF RFID tag antenna on a flexible ceramic- polymer composite substrate. , 2012, , .		12

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91	Optimisation of manufacturing parameters for inkjet-printed and photonically sintered metallic nanoparticle UHF RFID tags. <i>Electronics Letters</i> , 2014, 50, 1504-1505.	0.5	12
92	Electro-textile UHF RFID patch antennas for positioning and localization applications. , 2014, , .		12
93	Experimental Study on Inkjet-Printed Passive UHF RFID Tags on Versatile Paper-Based Substrates. <i>International Journal of Antennas and Propagation</i> , 2016, 2016, 1-8.	0.7	12
94	Experimental Study on Brush-Painted Passive RFID-Based Humidity Sensors Embedded into Plywood Structures. <i>International Journal of Antennas and Propagation</i> , 2016, 2016, 1-8.	0.7	12
95	Characterization of 3-D Loop Antenna to Overcome the Impact of Small Lateral Misalignment in Wirelessly Powered Intracranial Pressure Monitoring System. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 7405-7410.	3.1	12
96	Embedding inkjet-printed antennas into plywood structures for identification and sensing. , 2012, , .		11
97	Embroidered RFID tags in body-centric communication. , 2013, , .		11
98	Antenna design for implanted tags in wireless brain machine interface system. , 2013, , .		11
99	Path-loss model of embroidered passive RFID tag on human body for indoor positioning applications. , 2014, , .		11
100	Reliability of Passive RFID of Multiple Objects Using Folded Microstrip Patch-Type Tag Antenna. , 0, , .		10
101	Analysis of biotelemetric interrogation of chronically implantable intracranial capacitive pressure sensor. , 2014, , .		10
102	Experimental Study on Brush-Painted Metallic Nanoparticle UHF RFID Tags on Wood Substrates. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 301-304.	2.4	10
103	Possibilities of 3D direct write dispensing for textile UHF RFID tag manufacturing. , 2015, , .		10
104	A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015, 5, 1244-1252.	1.4	10
105	The possibilities of passive UHF RFID textile tags as comfortable wearable sweat rate sensors. , 2016, , .		10
106	Inductive passive sensor for intraparenchymal and intraventricular monitoring of intracranial pressure. , 2016, 2016, 1950-1954.		10
107	Wearable Metasurface-Enabled Quasi-Yagi Antenna for UHF RFID Reader With End-Fire Radiation Along the Forearm. <i>IEEE Access</i> , 2021, 9, 77229-77238.	2.6	10
108	Passive Moisture Sensor Based on Conductive and Water-Soluble Yarns. <i>IEEE Sensors Journal</i> , 2020, 20, 10989-10995.	2.4	10

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109	Miniaturized 433 MHz antenna for card size wireless systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	9
110	Radiation Efficiency Measurement Method for Passive UHF RFID Dipole Tag Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 4026-4035.	3.1	9
111	A New Approach and Analysis of Modeling the Human Body in RFID-Enabled Body-Centric Wireless Systems. International Journal of Antennas and Propagation, 2014, 2014, 1-12.	0.7	9
112	Implementation and performance evaluation of graphene-based passive UHF RFID textile tags. , 2016, , .		9
113	Body Movement-Based Controlling Through Passive RFID Integrated Into Clothing. IEEE Journal of Radio Frequency Identification, 2020, 4, 414-419.	1.5	9
114	Small Triple-Band Meandered PIFA for Brain-Implantable Biotelemetric Systems: Development and Testing in a Liquid Phantom. International Journal of Antennas and Propagation, 2021, 2021, 1-13.	0.7	9
115	13,56 MHz RFID antenna for cell phone integrated reader. , 2007, , .		8
116	Design and RFID signal analysis of a meander line UHF RFID tag antenna. , 2008, , .		8
117	Practical read range evaluation of wearable embroidered UHF RFID tag. , 2012, , .		8
118	RFID Tags for Challenging Environments: Flexible High-Dielectric Materials and Ink-Jet Printing Technology for Compact Platform Tolerant RFID Tags. IEEE Microwave Magazine, 2013, 14, 26-35.	0.7	8
119	Brush-painting and photonical sintering of copper and silver inks on cotton fabric to form antennas for wearable ultra-high-frequency radio-frequency identification tags. Textile Research Journal, 2016, 86, 1616-1624.	1.1	8
120	Possibilities of Fabricating Copper-based RFID Tags with Photonic-sintered Inkjet Printing and Thermal Transfer Printing. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	2.4	8
121	Glove-Integrated Textile Antenna with Reduced SAR for Wearable UHF RFID Reader. , 2019, , .		8
122	Dual UHF RFID band miniaturized multipurpose planar antenna for compact wireless systems. , 2010, , .		7
123	Impact of recurrent washing on the performance of electro-textile UHF RFID tags. , 2014, , .		7
124	Characterization of graphene-based inkjet printed samples on flexible substrate for wireless sensing applications. , 2014, , .		7
125	Development and Implementation of an RFID-Based Tunnel Access Monitoring System. Science and Technology of Nuclear Installations, 2016, 2016, 1-10.	0.3	7
126	Towards eco-friendly and cost-effective passive RFID applications. , 2016, , .		7

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127	Laboratory scale fabrication techniques for passive UHF RFID tags. , 2010, , .		6
128	Development of a low profile conformal UHF RFID tag antenna for identification of water bottles. , 2011, , .		6
129	Performance of UHF RFID tags printed directly on plywood structures. International Journal of RF Technologies: Research and Applications, 2012, 3, 283-302.	0.5	6
130	Performance analysis of pure paraffin wax as RFID tag substrate. Microwave and Optical Technology Letters, 2012, 54, 442-446.	0.9	6
131	Dual-Port Planar Antenna for Implantable Inductively Coupled Sensors. IEEE Transactions on Antennas and Propagation, 2017, 65, 5732-5739.	3.1	6
132	Compact Dual-Band PIFA Based on a Slotted Radiator for Wireless Biomedical Implants. , 2019, , .		6
133	Design and performance of passive UHF RFID tag antenna for industrial paper reels. , 2007, , .		5
134	Design and comparison between two general purpose dipole type UHF RFID tag antennas. , 2008, , .		5
135	Effects of laboratory-scale IC attachment methods on passive UHF RFID tag performance. , 2011, , .		5
136	Antenna design for wireless electrocorticography. , 2012, , .		5
137	Electromagnetic modelling and measurement of antennas for wireless brain-machine interface systems. , 2013, , .		5
138	Impact of recurrent stretching on the performance of electro-textile UHF RFID tags. , 2014, , .		5
139	Two-turns antenna and magnetic materials for effective powering of mm-size implant in wireless brain-machine interface system. , 2015, , .		5
140	2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate. , 2015, , .		5
141	Dual-Layer Circularly Polarized Split Ring Resonator Inspired Antenna for Wearable UHF RFID Tag. , 2018, , .		5
142	A Batteryless Semi-Passive RFID Sensor Platform. , 2019, , .		5
143	A Novel Antenna System for Man-Machine Interface. , 2001, , 37-42.		4
144	Beyond Sensor Networks: ZUMA Middleware. , 2007, , .		4

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145	Performance of a passive UHF RFID tag in reflective environment. , 2008, , .		4
146	Design and non-invasive design verification of a slot-type passive UHF RFID tag. , 2010, , .		4
147	Modifications of the 85/85 test and the temperature cycling test for tantalum capacitors. Soldering and Surface Mount Technology, 2011, 23, 168-176.	0.9	4
148	Inkjet-printed monopole antenna and voltage doubler on cardboard for RF energy harvesting. , 2015, , .		4
149	Piezoresistive pressure sensor for ICP monitoring: Remote powering through wearable textile antenna and sensor readout experiment. , 2016, , .		4
150	Comparison of Human Head Phantoms with Different Complexities for Implantable Antenna Development. , 2018, , .		4
151	Electrically Small UHF RFID Tag Antenna Based on Inductively Coupled Resonant LC Tank. , 2019, , .		4
152	Analysis of bow tie array RFID tag antenna for paper reel identification systems. , 2007, , .		3
153	RFID tag antenna matching to frequency dependent microchip impedance. , 2008, , .		3
154	Miniaturized UHF planar antenna, for wireless indoor systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
155	Impedance matching considerations for passive UHF RFID tags. , 2009, , .		3
156	Washing durability of embroidered polymer coated RFID tags. , 2013, , .		3
157	ESD qualification data used as the basis for building electrostatic discharge protected areas. Journal of Electrostatics, 2015, 77, 174-181.	1.0	3
158	ESD and disturbance cases in electrostatic protected areas. , 2015, , .		3
159	The effect of USB ground cable and product dynamic capacitance on IEC61000-4-2 qualification. , 2015, , .		3
160	Evaluation of an implantable passive sensor for wireless intracranial pressure monitoring. , 2015, , .		3
161	Design and Technical Evaluation of an Implantable Passive Sensor for Minimally Invasive Wireless Intracranial Pressure Monitoring. IFMBE Proceedings, 2015, , 1301-1304.	0.2	3
162	Additive manufacturing of antennas from copper oxide nanoparticle ink: Toward low-cost RFID tags on paper- and textile-based platforms. , 2016, , .		3

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163	The possibilities of graphene-based passive RFID tags in high humidity conditions. , 2016, , .		3
164	Effect of temperature variation on remote pressure readout in wirelessly powered intracranial pressure monitoring system. , 2017, 2017, 1728-1731.		3
165	Split ring resonator antenna system with implantable and wearable parts for far field readable backscattering implants. , 2017, , .		3
166	Contactless health-care sensing. Nature, 2017, 551, 572-573.	13.7	3
167	Testing the effects of fabrication parameters on the post-fabrication shape change of a three-dimensional printed textile platform. Textile Research Journal, 2021, 91, 2157-2166.	1.1	3
168	Radar cross section modelling of RFID tag antennas for paper reel identification. , 2007, , .		3
169	Small Multi-Resonant Meandered PIFA for Brain Implant Communications. , 2019, , .		3
170	Textile-based Passive Sensor for Air Humidity. , 2020, , .		3
171	Exploiting passive UHF RFID in paper industry - Case study: End user. , 2008, , .		2
172	Planar inverted miniaturized E antenna, for compact wireless systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	2
173	Performance of inkjet-printed narrow-line passive UHF RFID tags on different objects. , 2011, , .		2
174	A novel wireless inkjet-printed chipless sensor for moisture detection utilizing carbon nanotube. , 2013, , .		2
175	Effect of sintering method on the read range of brush-painted silver nanoparticle UHF RFID tags on wood and polyimide substrates. , 2014, , .		2
176	A novel RFID-enabled strain sensor using the double power measurement technique. , 2014, , .		2
177	Examples of extremely low-frequency magnetic fields in a Finnish metro station. Radioprotection, 2015, 50, 229-232.	0.5	2
178	Brush-painted silver UHF RFID tags on environmental-friendly and flexible substrates. , 2015, , .		2
179	Performance evaluation of circularly polarized patch antenna on flexible EPDM substrate near human body. , 2015, , .		2
180	Embroidered textile antennas for wireless body-centric communication and sensing. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
181	Brush-Painting and Photonic Sintering of Copper Oxide and Silver Inks on Wood and Cardboard Substrates to Form Antennas for UHF RFID Tags. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	0.7	2
182	A reliability study of coating materials for brush-painted washable textile RFID tags. , 2016, , .		2
183	Wireless power transfer to deep-tissue mm-size implants using wireless repeater node. , 2016, , .		2
184	Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure. , 2017, , .		2
185	Inkjet-printed antenna-electronics interconnections in passive UHF RFID tags. , 2017, , .		2
186	Impact of Anatomical Variability on the Wireless Power Transfer to Intra-Abdominal Implants. , 2019, , .		2
187	Performance Characterization of Passive UHF RFID Tags. , 2010, , 229-238.		2
188	Reliability of Passive UHF RFID Copper Tags on Plywood Substrate in High Humidity Conditions. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2016, 2016, 12-16.	0.2	2
189	Inductively Coupled Split Ring Resonator as Small RFID Pressure Sensor for Biomedical Applications. , 2020, , .		2
190	The Mobile Controlled RFID System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 73-78.	0.4	1
191	Reliability and Scalability of the Kilavi Building Control Platform. , 2007, , .		1
192	EFFECT OF CONDUCTIVE MATERIAL IN OBJECTS ON IDENTIFICATION WITH PASSIVE RFID TECHNOLOGY: A CASE STUDY OF CIGARETTE CARTONS. , 2007, , 323-328.		1
193	Performance of RFID bowtie tag antenna with different impedance matching. , 2008, , .		1
194	Automatic reel identification by RFID technology in paper reel supply chains: examples from paper mill and sea port environments. International Journal of RF Technologies: Research and Applications, 2009, 1, 194-213.	0.5	1
195	Wall-Proximity Effects on the Performance of Small Antennas for UHF Wireless Applications [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2011, 53, 190-203.	1.2	1
196	Modification of printed wearable strain sensors by PTF ink particle content adjustment. , 2011, , .		1
197	On-body antennas: Towards wearable intelligence. , 2014, , .		1
198	Comparison of inkjet-printed and microfabricated loop antennas for implants in wireless brain-machine interface systems. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
199	Impact of antenna-fiber alignment and recurrent stretching on the performance of passive UHF RFID tags based on textile antennas. , 2014, , .		1
200	Wireless testing of ink-jet printed mm-size gold implant antennas for Brain-Machine Interfaces. , 2014, , .		1
201	Experimental study on antenna â€” IC interconnections for electro-textile RFID tags. , 2016, , .		1
202	Effect of implant coating on wireless powering for intracranial pressure monitoring system. , 2017, , .		1
203	THE CHALLENGES ON THE DEVELOPMENT OF MOBILE CONTROLLED RFID SYSTEM. , 2007, , 301-304.		1
204	Small Triple-Band Meandered PIFA for Brain-Implantable Bio-telemetric Systems: Optimization of Substrate/Superstrate Effectiveness. , 2021, , .		1
205	Antennas and Wireless Power Transfer to Small Biomedical Brain Implants. , 2022, , .		1
206	Analysis and development of 2.45 GHz phase shifters for adaptive antennas. , 0, , .		0
207	Small high performance ultra wideband UHF multipurpose planar antenna. , 2010, , .		0
208	A novel method for indoor positioning with passive UHF RFID. International Journal of Radio Frequency Identification Technology and Applications, 2011, 3, 166.	0.5	0
209	Exploiting the characteristics of paraffin as a substrate for UHF RFID and antenna applications. , 2012, , .		0
210	Embedding passive RFID tags into wooden doors for identification and tracking. International Journal of Radio Frequency Identification Technology and Applications, 2013, 4, 181.	0.5	0
211	Inkjet-printed GSM900 band RF power harvester on paper-based substrates. , 2014, , , .		0
212	Embroidered ground plane implementation for wearable UHF RFID patch tag antennas. , 2014, , , .		0
213	Optimized RF/microwave antennas and circuits on low-cost fibrous substrates using inkjet-printing technology. , 2014, , , .		0
214	Advances in implantable and wearable antennas for wireless brain-machine interface systems. , 2014, , , .		0
215	Flash reduction of inkjet printed graphene oxide on flexible substrates for electronic applications. , 2015, , , .		0
216	Heat-sintered and photonicallly sintered brush-painted silver UHF RFID tags on plywood substrates. , 2015, , , .		0

#	ARTICLE	IF	CITATIONS
217	Towards environmentally friendly RFID applications: Fabrication of antennas and interconnections. , 2016, , .		0
218	Optimization of orthogonal-coil RF probe for miniature passive implantable pressure sensors. , 2016, , .		0
219	Maintenance-free Moisture Sensor on Dishcloth Substrate. , 2019, , .		0
220	Design, Fabrication, and Wireless Evaluation of a Passive 3D-printed Moisture Sensor on a Textile Substrate. , 2019, , .		0
221	Corrigendum to "3D-Printed Graphene Antennas and Interconnections for Textile RFID Tags: Fabrication and Reliability towards Humidity" International Journal of Antennas and Propagation, 2020, 2020, 1-1.	0.7	0
222	Wearable and Implantable Antennas for Wireless Body-Centric Sensing Systems. , 2013, , .		0
223	Spatially Distributed Semi-Passive Backscattering Platform for Biomedical Application. , 2019, , .		0
224	Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects. , 2020, , .		0
225	Performance Evaluation of a Metasurface-enabled Wearable Quasi-Yagi Antenna with End-fire Radiation Pattern on Textile Substrate. , 2021, , .		0
226	Fine-Tuning Impedance Matching Circuit for a Triple-Band Meandered PIFA in Brain-Implantable Bio-telemetric Systems. , 2022, , .		0