

Lauri T SydÄänheimo

List of Publications by Year in descending order

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226
papers

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126907

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2936
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-Tuning Impedance Matching Circuit for a Triple-Band Meandered PIFA in Brain-Implantable Bio-telemetric Systems. , 2022, , .		0
2	Antennas and Wireless Power Transfer to Small Biomedical Brain Implants. , 2022, , .		1
3	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.	5.1	22
4	Wearable Metasurface-Enabled Quasi-Yagi Antenna for UHF RFID Reader With End-Fire Radiation Along the Forearm. IEEE Access, 2021, 9, 77229-77238.	4.2	10
5	Testing the effects of fabrication parameters on the post-fabrication shape change of a three-dimensional printed textile platform. Textile Reseach Journal, 2021, 91, 2157-2166.	2.2	3
6	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.	1.2	9
7	Performance Evaluation of a Metasurface-enabled Wearable Quasi-Yagi Antenna with End-fire Radiation Pattern on Textile Substrate. , 2021, , .		0
8	Small Triple-Band Meandered PIFA for Brain-Implantable Bio-telemetric Systems: Optimization of Substrate/Superstrate Effectiveness. , 2021, , .		1
9	Textile-Based Batteryless Moisture Sensor. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 198-202.	4.0	29
10	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.	1.2	0
11	Body Movement-Based Controlling Through Passive RFID Integrated Into Clothing. IEEE Journal of Radio Frequency Identification, 2020, 4, 414-419.	2.3	9
12	Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects. , 2020, , .		0
13	Inductively Coupled Split Ring Resonator as Small RFID Pressure Sensor for Biomedical Applications. , 2020, , .		2
14	Textile-based Passive Sensor for Air Humidity. , 2020, , .		3
15	Passive Moisture Sensor Based on Conductive and Water-Soluble Yarns. IEEE Sensors Journal, 2020, 20, 10989-10995.	4.7	10
16	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.	2.3	18
17	Glove-Integrated Textile Antenna with Reduced SAR for Wearable UHF RFID Reader. , 2019, , .		8
18	A Batteryless Semi-Passive RFID Sensor Platform. , 2019, , .		5

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19	Impact of Anatomical Variability on the Wireless Power Transfer to Intra-Abdominal Implants. , 2019, , .		2
20	Electrically Small UHF RFID Tag Antenna Based on Inductively Coupled Resonant LC Tank. , 2019, , .		4
21	Maintenance-free Moisture Sensor on Dishcloth Substrate. , 2019, , .		0
22	Design, Fabrication, and Wireless Evaluation of a Passive 3D-printed Moisture Sensor on a Textile Substrate. , 2019, , .		0
23	Compact Dual-Band PIFA Based on a Slotted Radiator for Wireless Biomedical Implants. , 2019, , .		6
24	Spatially Distributed Semi-Passive Backscattering Platform for Biomedical Application. , 2019, , .		0
25	Small Multi-Resonant Meandered PIFA for Brain Implant Communications. , 2019, , .		3
26	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.	4.0	22
27	Comparison of Human Head Phantoms with Different Complexities for Implantable Antenna Development. , 2018, , .		4
28	Dual-Layer Circularly Polarized Split Ring Resonator Inspired Antenna for Wearable UHF RFID Tag. , 2018, , .		5
29	Inductively Powered Pressure Sensing System Integrating a Far-Field Data Transmitter for Monitoring of Intracranial Pressure. IEEE Sensors Journal, 2017, 17, 2191-2197.	4.7	23
30	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.	4.0	18
31	Wirelessly powered implantable system for wireless long-term monitoring of intracranial pressure. , 2017, , .		2
32	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.	4.0	8
33	Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts. Scientific Reports, 2017, 7, 8988.	3.3	29
34	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.	4.0	70
35	Dual-Port Planar Antenna for Implantable Inductively Coupled Sensors. IEEE Transactions on Antennas and Propagation, 2017, 65, 5732-5739.	5.1	6
36	Effect of implant coating on wireless powering for intracranial pressure monitoring system. , 2017, , .		1

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37	Characterization of 3-D Loop Antenna to Overcome the Impact of Small Lateral Misalignment in Wirelessly Powered Intracranial Pressure Monitoring System. IEEE Transactions on Antennas and Propagation, 2017, 65, 7405-7410.	5.1	12
38	Inkjet-printed antenna-electronics interconnections in passive UHF RFID tags. , 2017, , .		2
39	Effect of temperature variation on remote pressure readout in wirelessly powered intracranial pressure monitoring system. , 2017, 2017, 1728-1731.		3
40	Split ring resonator antenna system with implantable and wearable parts for far field readable backscattering implants. , 2017, , .		3
41	Contactless health-care sensing. Nature, 2017, 551, 572-573.	27.8	3
42	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.	1.2	15
43	Experimental Study on Inkjet-Printed Passive UHF RFID Tags on Versatile Paper-Based Substrates. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	12
44	Development and Implementation of an RFID-Based Tunnel Access Monitoring System. Science and Technology of Nuclear Installations, 2016, 2016, 1-10.	0.8	7
45	Experimental Study on Brush-Painted Passive RFID-Based Humidity Sensors Embedded into Plywood Structures. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	12
46	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.	1.2	2
47	A reliability study of coating materials for brush-painted washable textile RFID tags. , 2016, , .		2
48	Towards environmentally friendly RFID applications: Fabrication of antennas and interconnections. , 2016, , .		0
49	Piezoresistive pressure sensor for ICP monitoring: Remote powering through wearable textile antenna and sensor readout experiment. , 2016, , .		4
50	Optimization of orthogonal-coil RF probe for miniature passive implantable pressure sensors. , 2016, , .		0
51	The possibilities of passive UHF RFID textile tags as comfortable wearable sweat rate sensors. , 2016, , .		10
52	Wireless power transfer to deep-tissue mm-size implants using wireless repeater node. , 2016, , .		2
53	Additive manufacturing of antennas from copper oxide nanoparticle ink: Toward low-cost RFID tags on paper- and textile-based platforms. , 2016, , .		3
54	Experimental study on antenna " IC interconnections for electro-textile RFID tags. , 2016, , .		1

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55	Implementation and performance evaluation of graphene-based passive UHF RFID textile tags. , 2016, , .		9
56	A novel carbon nanotube loaded passive UHF RFID sensor tag with built-in reference for wireless gas sensing. , 2016, , .		14
57	Inductive passive sensor for intraparenchymal and intraventricular monitoring of intracranial pressure. , 2016, 2016, 1950-1954.		10
58	The possibilities of graphene-based passive RFID tags in high humidity conditions. , 2016, , .		3
59	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 Reseach Journal, 2016, 86, 1616-1624.	2.2	8
60	Towards eco-friendly and cost-effective passive RFID applications. , 2016, , .		7
61	Remotely Powered Piezoresistive Pressure Sensor: Toward Wireless Monitoring of Intracranial Pressure. IEEE Microwave and Wireless Components Letters, 2016, 26, 549-551.	3.2	29
62	Fabrication and Characterization of Graphene Antenna for Low-Cost and Environmentally Friendly RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1569-1572.	4.0	95
63	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.	4.0	21
64	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.	1.9	13
65	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
66	ESD qualification data used as the basis for building electrostatic discharge protected areas. Journal of Electrostatics, 2015, 77, 174-181.	1.9	3
67	Flash reduction of inkjet printed graphene oxide on flexible substrates for electronic applications. , 2015, , .		0
68	Examples of extremely low-frequency magnetic fields in a Finnish metro station. Radioprotection, 2015, 50, 229-232.	1.0	2
69	Biotelemetric Wireless Intracranial Pressure Monitoring: An In Vitro Study. International Journal of Antennas and Propagation, 2015, 2015, 1-10.	1.2	20
70	Towards Washable Electrotexile UHF RFID Tags: Reliability Study of Epoxy-Coated Copper Fabric Antennas. International Journal of Antennas and Propagation, 2015, 2015, 1-8.	1.2	22
71	Hybrid WLAN-RFID Indoor Localization Solution Utilizing Textile Tag. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1358-1361.	4.0	33
72	Experimental Study on Brush-Painted Metallic Nanoparticle UHF RFID Tags on Wood Substrates. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 301-304.	4.0	10

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73	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.	2.2	53
74	Heat-sintered and photonicallly sintered brush-painted silver UHF RFID tags on plywood substrates. , 2015, , .		0
75	ESD and disturbance cases in electrostatic protected areas. , 2015, , .		3
76	Brush-painted silver UHF RFID tags on environmental-friendly and flexible substrates. , 2015, , .		2
77	The effect of USB ground cable and product dynamic capacitance on IEC61000-4-2 qualification. , 2015, , .		3
78	Possibilities of 3D direct write dispensing for textile UHF RFID tag manufacturing. , 2015, , .		10
79	Evaluation of an implantable passive sensor for wireless intracranial pressure monitoring. , 2015, , .		3
80	Inkjet-printed monopole antenna and voltage doubler on cardboard for RF energy harvesting. , 2015, , .		4
81	Performance evaluation of circularly polarized patch antenna on flexible EPDM substrate near human body. , 2015, , .		2
82	Two-turns antenna and magnetic materials for effective powering of mm-size implant in wireless brain-machine interface system. , 2015, , .		5
83	Embroidered textile antennas for wireless body-centric communication and sensing. , 2015, , .		2
84	2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate. , 2015, , .		5
85	Backscattering Neural Tags for Wireless Brain-Machine Interface Systems. IEEE Transactions on Antennas and Propagation, 2015, 63, 719-726.	5.1	48
86	A Novel Enhanced-Performance Flexible RFID-Enabled Embroidered Wireless Integrated Module for Sensing Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 1244-1252.	2.5	10
87	Experimental Study on the Washing Durability of Electro-Textile UHF RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 466-469.	4.0	43
88	Design and Technical Evaluation of an Implantable Passive Sensor for Minimally Invasive Wireless Intracranial Pressure Monitoring. IFMBE Proceedings, 2015, , 1301-1304.	0.3	3
89	Inkjet-Printed Wideband Planar Monopole Antenna on Cardboard for RF Energy-Harvesting Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 325-328.	4.0	44
90	A Fully Inkjet-Printed Wireless and Chipless Sensor for CO ₂ and Temperature Detection. IEEE Sensors Journal, 2015, 15, 89-99.	4.7	114

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91	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.	1.2	9
92	Impact of recurrent stretching on the performance of electro-textile UHF RFID tags. , 2014, , .		5
93	Inkjet-printed GSM900 band RF power harvester on paper-based substrates. , 2014, , .		0
94	Path-loss model of embroidered passive RFID tag on human body for indoor positioning applications. , 2014, , .		11
95	Analysis of biotelemetric interrogation of chronically implantable intracranial capacitive pressure sensor. , 2014, , .		10
96	A novel inkjet-printed wireless chipless strain and crack sensor on flexible laminates. , 2014, , .		15
97	On-body antennas: Towards wearable intelligence. , 2014, , .		1
98	Comparison of inkjet-printed and microfabricated loop antennas for implants in wireless brain-machine interface systems. , 2014, , .		1
99	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.	5.1	80
100	Dual port temperature sensor tag for passive UHF RFID systems. Sensor Review, 2014, 34, 154-169.	1.8	15
101	Optimisation of manufacturing parameters for inkjet-printed and photonically sintered metallic nanoparticle UHF RFID tags. Electronics Letters, 2014, 50, 1504-1505.	1.0	12
102	Effect of sintering method on the read range of brush-painted silver nanoparticle UHF RFID tags on wood and polyimide substrates. , 2014, , .		2
103	Embroidered ground plane implementation for wearable UHF RFID patch tag antennas. , 2014, , .		0
104	Impact of antenna-fiber alignment and recurrent stretching on the performance of passive UHF RFID tags based on textile antennas. , 2014, , .		1
105	Design and optimization of mm-size implantable and wearable on-body antennas for biomedical systems. , 2014, , .		13
106	Optimized RF/microwave antennas and circuits on low-cost fibrous substrates using inkjet-printing technology. , 2014, , .		0
107	Advances in implantable and wearable antennas for wireless brain-machine interface systems. , 2014, , .		0
108	Electro-textile UHF RFID patch antennas for positioning and localization applications. , 2014, , .		12

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109	Impact of recurrent washing on the performance of electro-textile UHF RFID tags. , 2014, , .		7
110	Reliability of washable wearable screen printed UHF RFID tags. Microelectronics Reliability, 2014, 54, 840-846.	1.7	34
111	A fully inkjet-printed chipless RFID gas and temperature sensor on paper. , 2014, , .		14
112	A novel RFID-enabled strain sensor using the double power measurement technique. , 2014, , .		2
113	Wireless testing of ink-jet printed mm-size gold implant antennas for Brain-Machine Interfaces. , 2014, , .		1
114	Testing the effects of temperature and humidity on printed passive UHF RFID tags on paper substrate. International Journal of Electronics, 2014, 101, 711-730.	1.4	19
115	Characterization of graphene-based inkjet printed samples on flexible substrate for wireless sensing applications. , 2014, , .		7
116	Optimization of Inkjet Printing of Patch Antennas on Low-Cost Fibrous Substrates. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 915-918.	4.0	40
117	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.	1.4	122
118	Advances in antenna designs for UHF RFID tags mountable on conductive items. IEEE Antennas and Propagation Magazine, 2014, 56, 79-103.	1.4	65
119	Radiation Efficiency Measurement Method for Passive UHF RFID Dipole Tag Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 4026-4035.	5.1	9
120	Embroidered RFID tags in body-centric communication. , 2013, , .		11
121	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.	4.0	71
122	Design and realization of stretchable sewn chipless RFID tags and sensors for wearable applications. , 2013, , .		36
123	A Novel Near-Transparent ASK-Reconfigurable Inkjet-Printed Chipless RFID Tag. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 753-756.	4.0	67
124	Measurement of Wireless Link for Brain-Machine Interface Systems Using Human-Head Equivalent Liquid. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1307-1310.	4.0	18
125	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.	0.8	8
126	An Embroidered Two-Dimensional Chipless Strain Sensor for Wireless Structural Deformation Monitoring. IEEE Sensors Journal, 2013, 13, 4627-4637.	4.7	15

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127	Automated Identification of Plywood Using Embedded Inkjet-Printed Passive UHF RFID Tags. IEEE Transactions on Automation Science and Engineering, 2013, 10, 796-806.	5.2	18
128	Analysis of wireless powering of mm-size neural recording tags in RFID-inspired wireless brain-machine interface systems. , 2013, , .		26
129	Electromagnetic modelling and measurement of antennas for wireless brain-machine interface systems. , 2013, , .		5
130	Implementation of a Dual-Interrogation-Mode Embroidered RFID-Enabled Strain Sensor. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1272-1275.	4.0	42
131	Washing durability of embroidered polymer coated RFID tags. , 2013, , .		3
132	Impact of Moisture and Washing on the Performance of Embroidered UHF RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1590-1593.	4.0	49
133	A novel wireless inkjet-printed chipless sensor for moisture detection utilizing carbon nanotube. , 2013, , .		2
134	Antenna design for implanted tags in wireless brain machine interface system. , 2013, , .		11
135	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
136	Wearable and Implantable Antennas for Wireless Body-Centric Sensing Systems. , 2013, , .		0
137	Embedding inkjet-printed antennas into plywood structures for identification and sensing. , 2012, , .		11
138	Antenna design for wireless electrocorticography. , 2012, , .		5
139	Fabrication of embroidered UHF RFID tags. , 2012, , .		15
140	Exploiting the characteristics of paraffin as a substrate for UHF RFID and antenna applications. , 2012, , .		0
141	Practical read range evaluation of wearable embroidered UHF RFID tag. , 2012, , .		8
142	Reconfigurable Sensing Antenna: A Slotted Patch Design With Temperature Sensation. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 632-635.	4.0	38
143	Passive UHF RFID Tag for Heat Sensing Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 4056-4064.	5.1	65
144	Sewed textile RFID tag and sensor antennas for on-body use. , 2012, , .		29

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145	Design of Wireless Links to Implanted Brain-Machine Interface Microelectronic Systems. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1663-1666.	4.0	33
146	Inkjet-printable UHF RFID tag antenna on a flexible ceramic- polymer composite substrate. , 2012, , .		12
147	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.	4.0	105
148	Inkjet-printed passive UHF RFID tags: review and performance evaluation. International Journal of Advanced Manufacturing Technology, 2012, 62, 167-182.	3.0	34
149	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.	1.2	13
150	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.	1.2	25
151	Performance of UHF RFID tags printed directly on plywood structures. International Journal of RF Technologies: Research and Applications, 2012, 3, 283-302.	0.7	6
152	COMPACT METAL MOUNTABLE UHF RFID TAG ON A BARIUM TITANATE BASED SUBSTRATE. Progress in Electromagnetics Research C, 2012, 26, 43-57.	0.9	21
153	Performance analysis of pure paraffin wax as RFID tag substrate. Microwave and Optical Technology Letters, 2012, 54, 442-446.	1.4	6
154	Inkjet-Printed UHF RFID Tags on Renewable Materials. Advances in Internet of Things, 2012, 02, 79-85.	2.2	22
155	Wall-Proximity Effects on the Performance of Small Antennas for UHF Wireless Applications [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2011, 53, 190-203.	1.4	1
156	Performance of inkjet-printed narrow-line passive UHF RFID tags on different objects. , 2011, , .		2
157	Long range metal mountable tag antenna for passive UHF RFID systems. , 2011, , .		18
158	Temperature sensor tag for passive UHF RFID systems. , 2011, , .		33
159	Effects of laboratory-scale IC attachment methods on passive UHF RFID tag performance. , 2011, , .		5
160	SAR reduction and link optimization for mm-size remotely powered wireless implants using segmented loop antennas. , 2011, , .		45
161	Embedded wireless strain sensors based on printed RFID tag. Sensor Review, 2011, 31, 32-40.	1.8	73
162	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

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163	Wireless Measurement of RFID IC Impedance. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3194-3206.	4.7	22
164	Inkjet-Printed Humidity Sensor for Passive UHF RFID Systems. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2768-2777.	4.7	183
165	Characterization of UHF RFID tags fabricated directly on convex surfaces by pad printing. International Journal of Advanced Manufacturing Technology, 2011, 53, 577-591.	3.0	29
166	Modification of printed wearable strain sensors by PTF ink particle content adjustment. , 2011, , .		1
167	Development of a low profile conformal UHF RFID tag antenna for identification of water bottles. , 2011, , .		6
168	Modifications of the 85/85 test and the temperature cycling test for tantalum capacitors. Soldering and Surface Mount Technology, 2011, 23, 168-176.	1.5	4
169	Design and non-invasive design verification of a slot-type passive UHF RFID tag. , 2010, , .		4
170	Dual UHF RFID band miniaturized multipurpose planar antenna for compact wireless systems. , 2010, , .		7
171	Analysis of electrically conductive silver ink on stretchable substrates under tensile load. Microelectronics Reliability, 2010, 50, 2001-2011.	1.7	80
172	Performance comparison of silver ink and copper conductors for microwave applications. IET Microwaves, Antennas and Propagation, 2010, 4, 1224.	1.4	18
173	The Effect of Conductive Ink Layer Thickness on the Functioning of Printed UHF RFID Antennas. Proceedings of the IEEE, 2010, 98, 1610-1619.	21.3	62
174	Small high performance ultra wideband UHF multipurpose planar antenna. , 2010, , .		0
175	Wireless channel characterization for mm-size neural implants. , 2010, 2010, 1565-8.		21
176	Printed humidity sensor for UHF RFID systems. , 2010, , .		49
177	Laboratory scale fabrication techniques for passive UHF RFID tags. , 2010, , .		6
178	The effect of conductor thickness in passive inkjet printed RFID tags. , 2010, , .		19
179	Electromagnetic Analyses of Near Field UHF RFID Systems. IEEE Transactions on Antennas and Propagation, 2010, 58, 1759-1770.	5.1	35
180	Printed passive UHF RFID tags as wearable strain sensors. , 2010, , .		25

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181	Passive UHF Inkjet-Printed Narrow-Line RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 440-443.	4.0	55
182	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
183	Performance Characterization of Passive UHF RFID Tags. , 2010, , 229-238.		2
184	The Effect of Fabrication Method on Passive UHF RFID Tag Performance. International Journal of Antennas and Propagation, 2009, 2009, 1-8.	1.2	26
185	Planar inverted miniaturized E antenna, for compact wireless systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	2
186	Passive UHF RFID in Paper Industry: Challenges, Benefits and the Application Environment. IEEE Transactions on Automation Science and Engineering, 2009, 6, 66-79.	5.2	49
187	Miniaturized UHF planar antenna, for wireless indoor systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
188	Impedance matching considerations for passive UHF RFID tags. , 2009, , .		3
189	Miniaturized 433 MHz antenna for card size wireless systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	9
190	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.	0.7	1
191	Kilavi platform for wireless building automation. Energy and Buildings, 2008, 40, 1721-1730.	6.7	17
192	Design and RFID signal analysis of a meander line UHF RFID tag antenna. , 2008, , .		8
193	Performance of a passive UHF RFID tag in reflective environment. , 2008, , .		4
194	Design and comparison between two general purpose dipole type UHF RFID tag antennas. , 2008, , .		5
195	Characterization of Passive UHF RFID Tag Performance. IEEE Antennas and Propagation Magazine, 2008, 50, 207-212.	1.4	25
196	RFID tag antenna matching to frequency dependent microchip impedance. , 2008, , .		3
197	CHIP IMPEDANCE MATCHING FOR UHF RFID TAG ANTENNA DESIGN. Progress in Electromagnetics Research, 2008, 81, 359-370.	4.4	104
198	Exploiting passive UHF RFID in paper industry - Case study: End user. , 2008, , .		2

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