

Luciano Tarricone

List of Publications by Year in descending order

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216
papers

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citations

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58
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218
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218
docs citations

218
times ranked

3709
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable Microwave Reflectometry System for Skin Sensing. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	13
2	Wireless Resonant Energy Link for Joint Flexion Monitoring: Experimental Investigation by Using a NanoVNA. , 2022, , .		4
3	Bracelet Textile Electrodes for Bioimpedance Measurements. , 2022, , .		1
4	Machine Learning for Bioelectromagnetics and Biomedical Engineering: Some Sample Applications. , 2022, , .		1
5	Multiple Input Multiple Output Resonant Inductive WPT Link: Optimal Terminations for Efficiency Maximization. Energies, 2021, 14, 2194.	3.1	5
6	Microwave Wearable System for Sensing Skin Hydration. , 2021, , .		9
7	Textile Chipless Tag for Gesture Recognition. IEEE Sensors Journal, 2021, 21, 18279-18286.	4.7	9
8	Machine Learning for H-FIRE Protocols: Tuning Parameters for High-Frequency Irreversible Electroporation by Machine Learning. IEEE Microwave Magazine, 2021, 22, 42-59.	0.8	8
9	Wireless Power Transfer Strategies for Medical Implants: Focus on Robustness and EM Compatibility. IEEE Microwave Magazine, 2021, 22, 28-41.	0.8	9
10	Technologies and Modeling for Electromagnetically Mediated Medical Treatments [From the Guest Editor's Desk]. IEEE Microwave Magazine, 2021, 22, 25-26.	0.8	0
11	Low-cost System for Skin Sensing. , 2021, , .		1
12	Multiple Inputs Inductive WPT: Efficiency Analysis by Using a Generalized Eigenvalue Approach. , 2021, , .		0
13	Optimal Terminations for a Single-Input Multiple-Output Resonant Inductive WPT Link. Energies, 2020, 13, 5157.	3.1	9
14	Feasibility of a Wearable Reflectometric System for Sensing Skin Hydration. Sensors, 2020, 20, 2833.	3.8	28
15	Dry Textile Electrodes for Wearable Bio-Impedance Analyzers. IEEE Sensors Journal, 2020, 20, 6139-6147.	4.7	14
16	Load-Independent Operative Regime for an Inductive Resonant WPT Link in Parallel Configuration. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1809-1818.	4.6	7
17	Augmented RFID Technologies for the Internet of Things and Beyond. Sensors, 2020, 20, 987.	3.8	7
18	Fully-Textile, Wearable Chipless Tags for Identification and Tracking Applications. Sensors, 2020, 20, 429.	3.8	38

#	ARTICLE	IF	CITATIONS
19	Textile Wearable Antenna for Firefighters Positioning. , 2019, , .		10
20	Low-Cost Chipless Sensor Tags for Wearable User Interfaces. IEEE Sensors Journal, 2019, 19, 10046-10053.	4.7	13
21	Radio-frequency Identification Based on Textile, Wearable, Chipless Tags for IoT Applications. , 2019, , .		13
22	A Frequency Signature RFID Chipless Tag for Wearable Applications. Sensors, 2019, 19, 494.	3.8	30
23	Wearable Antennas: Nontextile Versus Fully Textile Solutions. IEEE Antennas and Propagation Magazine, 2019, 61, 71-83.	1.4	68
24	Efficiency optimization of a three-coil resonant energy link. Wireless Power Transfer, 2019, 6, 126-137.	1.1	0
25	Pacemaker Recharge Through Inductive Resonant Wireless Power Transfer. , 2019, , .		2
26	A Chipless Humidity Sensor for Wearable Applications. , 2019, , .		15
27	EMC and EMI issues of WPT systems for wearable and implantable devices. IEEE Electromagnetic Compatibility Magazine, 2018, 7, 67-77.	0.1	22
28	Gain expressions for resonant inductive wireless power transfer links with one relay element. Wireless Power Transfer, 2018, 5, 27-41.	1.1	20
29	Durability of Wearable Antennas Based on Nonwoven Conductive Fabrics: Experimental Study on Resistance to Washing and Ironing. International Journal of Antennas and Propagation, 2018, 2018, 1-8.	1.2	25
30	WPT Link with Relay Elements for Recharging a Pacemaker. , 2018, , .		1
31	A Fully-Textile Chipless Tag. , 2018, , .		9
32	Optimal Couplings for a Four-coils WPT Link. , 2018, , .		5
33	Optimal Terminating Impedances for Maximizing the Gains of a Four-Coil WPT Link. , 2018, , .		1
34	Conditions for a Load-Independent Operating Regime in Resonant Inductive WPT. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1066-1076.	4.6	44
35	Measurement system for over-the-air evaluation of UHF RFID tags quality. Wireless Power Transfer, 2017, 4, 33-41.	1.1	3
36	Inductive link for power and data transfer to a medical implant. Wireless Power Transfer, 2017, 4, 98-112.	1.1	12

#	ARTICLE	IF	CITATIONS
37	Wearable antennas for applications in remote assistance to elderly people. , 2017, , .		13
38	Wireless Power Transfer With Three-Ports Networks: Optimal Analytical Solutions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 494-503.	5.4	17
39	Comparison of Fabrication Techniques for Flexible UHF RFID Tag Antennas [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2017, 59, 159-168.	1.4	18
40	Wireless power link for rechargeable pacemakers. , 2017, , .		4
41	Characterization of wireless power transfer links by network invariants. , 2017, , .		2
42	Matched resonant inductive WPT using the coupling-independent regime: Theory and experiments. , 2017, , .		3
43	An Energy-Efficient MAC Scheduler based on a Switched-Beam Antenna for Wireless Sensor Networks. Journal of Communications Software and Systems, 2017, 9, 117.	0.8	20
44	Wearable Antennas for Remote Health Care Monitoring Systems. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	1.2	58
45	Wireless resonant energy link for pulse generators implanted in the chest. IET Microwaves, Antennas and Propagation, 2017, 11, 2201-2210.	1.4	19
46	Microwave characterisation of polylactic acid for 3D printed dielectrically controlled substrates. IET Microwaves, Antennas and Propagation, 2017, 11, 1970-1976.	1.4	34
47	Electromagnetic Compatibility Analysis of a WPT Link for Rechargeable Pacemakers. , 2017, , .		0
48	Experimental Performance Evaluation of Passive UHF RFID Tags in Electromagnetically Critical Supply Chains. Journal of Communications Software and Systems, 2017, 7, 59.	0.8	22
49	A Wearable Wireless Energy Link for Thin-Film Batteries Charging. International Journal of Antennas and Propagation, 2016, 2016, 1-9.	1.2	15
50	Power maximization in a WPT link using three transmitters and a single receiver. , 2016, , .		1
51	Programming UHF RFID Systems for the Internet of Things [EM Programmer's Notebook]. IEEE Antennas and Propagation Magazine, 2016, 58, 109-119.	1.4	3
52	A Network Approach for Wireless Resonant Energy Links Using Relay Resonators. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3271-3279.	4.6	18
53	Improved RFID tag characterization system: Use case in the IoT arena. , 2016, , .		8
54	Non-radiative Wireless Power Transmission: Theory and Applications. , 2016, , 3-30.		2

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55	Evaluating the suitability of specific RFID tags for IoT applications through a new characterization platform. , 2016, , .		3
56	Passive RFID tag with sensing and reasoning capabilities for building automation. , 2016, , .		1
57	Wearable logo antenna for GPS GSM based tracking systems. IET Microwaves, Antennas and Propagation, 2016, 10, 1332-1338.	1.4	38
58	Measurement Platform for Electromagnetic Characterization and Performance Evaluation of UHF RFID Tags. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 905-914.	4.7	53
59	Improved Battery-Less Augmented RFID Tag: Application on Ambient Sensing and Control. IEEE Sensors Journal, 2016, 16, 3484-3485.	4.7	4
60	A UHF-RFID power management circuit for body sensor networks. , 2015, , .		2
61	Cost-effective electromagnetic characterization system for radiation pattern and sensitivity estimation of UHF RFID tags. , 2015, , .		2
62	Wireless energy link for deep brain stimulation. , 2015, , .		9
63	EM design of a passive RFID-based device with sensing and reasoning capabilities. , 2015, , .		1
64	A ~ 19 dBm sensitivity integrated RF-DC converter with regulated output voltage for powering UHF wireless sensors. , 2015, , .		1
65	A wearable wireless energy link. , 2015, , .		9
66	Wireless power transfer link for rechargeable deep brain stimulators. , 2015, , .		5
67	A HF-RFID, -19 dBm sensitivity fully integrated RF-DC voltage multiplier. , 2015, , .		0
68	A wireless power link on leather for applications in the clothing industry. , 2015, , .		2
69	An IoT-Aware Architecture for Smart Healthcare Systems. IEEE Internet of Things Journal, 2015, 2, 515-526.	8.7	850
70	SPARTACUS: Self-Powered Augmented RFID Tag for Autonomous Computing and Ubiquitous Sensing. IEEE Transactions on Antennas and Propagation, 2015, 63, 2272-2281.	5.1	48
71	Resonant Inductive Link for Remote Powering of Pacemakers. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3814-3822.	4.6	70
72	Logo antenna on textile materials. , 2014, , .		21

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73	Ultralong-Range RFID-Based Wake-Up Radios for Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 4016-4017.	4.7	8
74	Novel fully-passive multifunction RFID-enabled devices. , 2014, , .		0
75	Power generation by spurious emissions from compact fluorescent lamps. , 2014, , .		3
76	Textile logo antennas. , 2014, , .		14
77	Energy harvesting of spurious emissions of compact fluorescent lamps for home monitoring applications. , 2014, , .		2
78	Integration of UHF RFID and WSN technologies in healthcare systems. , 2014, , .		10
79	Integrating social web and e-learning to enhance cooperation in the building sector. , 2014, , .		2
80	Smart RFID Antenna System for Indoor Tracking and Behavior Analysis of Small Animals in Colony Cages. IEEE Sensors Journal, 2014, 14, 1198-1206.	4.7	52
81	A Battery-Assisted Sensor-Enhanced RFID Tag Enabling Heterogeneous Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 1048-1055.	4.7	77
82	Resonant Energy Scavenger for Sensor Powering by Spurious Emissions From Compact Fluorescent Lamps. IEEE Sensors Journal, 2014, 14, 2347-2354.	4.7	7
83	RAMSES: RFID Augmented Module for Smart Environmental Sensing. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1701-1708.	4.7	108
84	Effective search and exploitation of electromagnetic knowledge in the web [EM programmer's notebook]. IEEE Antennas and Propagation Magazine, 2014, 56, 182-199.	1.4	0
85	Advances in the design of smart, multi-function, RFID-enabled devices. , 2014, , .		3
86	Electromagnetic Energy Harvesting and Wireless Power Transmission: A Unified Approach. Proceedings of the IEEE, 2014, 102, 1692-1711.	21.3	177
87	Compact Switched-Beam Antennas Enabling Novel Power-Efficient Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 3252-3259.	4.7	28
88	Pattern-Reconfigurable Antennas and Smart Wake-Up Circuits to Decrease Power Consumption in WSN Nodes. IEEE Sensors Journal, 2014, 14, 4323-4324.	4.7	9
89	GPU-based acceleration of computational electromagnetics codes. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 309-323.	1.9	2
90	Radiofrequency characterization of polydimethylsiloxane " iron oxide based nanocomposites. Microelectronic Engineering, 2013, 111, 46-51.	2.4	10

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91	GHz Properties of Magnetophoretically Aligned Iron-Oxide Nanoparticle Doped Polymers. ACS Applied Materials & Interfaces, 2013, 5, 2908-2914.	8.0	4
92	A Linked Data Approach to Electromagnetic Pollution Monitoring. , 2013, , .		2
93	A 2.45-GHz Vivaldi Rectenna for the Remote Activation of an End Device Radio Node. IEEE Sensors Journal, 2013, 13, 3454-3461.	4.7	29
94	Customized Ultra High Frequency Radio Frequency Identification Tags and Reader Antennas Enabling Reliable Mobile Robot Navigation. IEEE Sensors Journal, 2013, 13, 783-791.	4.7	33
95	Wireless system for biological signal recording with Gallium Arsenide high electron mobility transistors as sensing elements. Microelectronic Engineering, 2013, 111, 354-359.	2.4	3
96	An UHF RFID Energy-Harvesting System Enhanced by a DC-DC Charge Pump in Silicon-on-Insulator Technology. IEEE Microwave and Wireless Components Letters, 2013, 23, 315-317.	3.2	72
97	Enhanced UHF RFID Sensor-Tag. IEEE Microwave and Wireless Components Letters, 2013, 23, 49-51.	3.2	51
98	Enabling self-powered autonomous wireless sensors with new-generation <sup>2</sup>-RFID chips. , 2013, , .		20
99	Listening to Tags: Uplink RFID Measurements With an Open-Source Software-Defined Radio Tool. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 109-118.	4.7	34
100	UHF Wearable Rectenna on Textile Materials. IEEE Transactions on Antennas and Propagation, 2013, 61, 3869-3873.	5.1	111
101	A novel circuit model of nanotechnology-enabled inkjet-printed gas sensors using multi-wall carbon nanotubes. , 2013, , .		2
102	Fully-passive devices for RFID smart sensing. , 2013, , .		9
103	An RFID tracking system supporting the behavior analysis of colonial laboratory animals. International Journal of RF Technologies: Research and Applications, 2013, 5, 63-80.	0.7	5
104	A LONG-RANGE COMPUTATIONAL RFID TAG FOR TEMPERATURE AND ACCELERATION SENSING APPLICATIONS. Progress in Electromagnetics Research C, 2013, 45, 223-235.	0.9	3
105	SWITCHED-BEAM ANTENNA FOR WIRELESS SENSOR NETWORK NODES. Progress in Electromagnetics Research C, 2013, 39, 193-207.	0.9	31
106	Near Field UHF RFID Antenna System Enabling the Tracking of Small Laboratory Animals. International Journal of Antennas and Propagation, 2013, 2013, 1-10.	1.2	16
107	A THREE-BAND T-JUNCTION POWER DIVIDER BASED ON ARTIFICIAL TRANSMISSION LINES. Progress in Electromagnetics Research C, 2013, 34, 41-52.	0.9	1
108	NOVEL PLANAR ANTENNA WITH A BROADSIDE RADIATION. Progress in Electromagnetics Research Letters, 2013, 38, 45-53.	0.7	1

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109	Differential RCS and sensitivity calculation of RFID tags with Software-Defined Radio. , 2012, , .		23
110	Increasing performance of SDR-based collision-free RFID systems. , 2012, , .		4
111	Magnetically coupled resonant wireless power transmission: An artificial transmission line approach. , 2012, , .		17
112	A MICROSTRIP ANTENNA WITH A RECONFIGURABLE PATTERN FOR RFID APPLICATIONS. Progress in Electromagnetics Research B, 2012, 45, 101-116.	1.0	14
113	Applying multi-criteria approaches to ontology ranking: a comparison with AKTiveRank. International Journal of Metadata, Semantics and Ontologies, 2012, 7, 197.	0.2	7
114	Enhanced UHF RFID Tags for Drug Tracing. Journal of Medical Systems, 2012, 36, 3451-3462.	3.6	28
115	RFID Sensor-Tags Feeding a Context-Aware Rule-Based Healthcare Monitoring System. Journal of Medical Systems, 2012, 36, 3435-3449.	3.6	32
116	On the use of UHF RFID antenna systems customized for robotic applications. , 2012, , .		9
117	Prototyping flexible UHF RFID tags through rapid and effective unconventional techniques: Validation on label-type sensor-tag. , 2012, , .		6
118	MPIE/MoM Acceleration With a General-Purpose Graphics Processing Unit. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2693-2701.	4.6	14
119	Multipacket reception MAC schemes for the RFID EPC Gen2 protocol. , 2012, , .		2
120	3D patch antenna using a cardboard substrate for RFID reader applications. , 2012, , .		0
121	PERFORMANCE ENHANCEMENT OF THE RFID EPC GEN2 PROTOCOL BY EXPLOITING COLLISION RECOVERY. Progress in Electromagnetics Research B, 2012, 43, 53-72.	1.0	19
122	PLATFORM-ROBUST PASSIVE UHF RFID TAGS: A CASE-STUDY IN ROBOTICS. Progress in Electromagnetics Research C, 2012, 30, 27-39.	0.9	13
123	NEW ALGORITHMS FOR THE SPECIFIC ABSORPTION RATE NUMERICAL EVALUATION BASED ON SPHERICAL AVERAGING VOLUMES. Progress in Electromagnetics Research B, 2012, 44, 427-445.	1.0	4
124	METAL FOAMS FOR ELECTROMAGNETICS: EXPERIMENTAL, NUMERICAL AND ANALYTICAL CHARACTERIZATION. Progress in Electromagnetics Research B, 2012, 45, 1-18.	1.0	11
125	EXPERIMENTAL CHARACTERIZATION OF A 434 MHZ WIRELESS ENERGY LINK FOR MEDICAL APPLICATIONS. Progress in Electromagnetics Research C, 2012, 30, 53-64.	0.9	27
126	MONOPOLE-BASED RECTENNA FOR MICROWAVE ENERGY HARVESTING OF UHF RFID SYSTEMS. Progress in Electromagnetics Research C, 2012, 31, 109-121.	0.9	37

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127	ISM BAND RECTENNA USING A RING LOADED MONOPOLE. Progress in Electromagnetics Research C, 2012, 33, 1-15.	0.9	16
128	SMART PROTOTYPING TECHNIQUES FOR UHF RFID TAGS: ELECTROMAGNETIC CHARACTERIZATION AND COMPARISON WITH TRADITIONAL APPROACHES. Progress in Electromagnetics Research, 2012, 132, 91-111.	4.4	42
129	Design, development, and performance evaluation of a compact and long-range passive UHF RFID tag. Microwave and Optical Technology Letters, 2012, 54, 1335-1339.	1.4	25
130	A Cost-Effective SDR Platform for Performance Characterization of RFID Tags. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 903-911.	4.7	63
131	Performance analysis of passive UHF RFID tags with GNU-radio. , 2011, , .		24
132	Iterative Solution of Linear Systems in Electromagnetics (And Not Only): Experiences with CUDA. Lecture Notes in Computer Science, 2011, , 329-337.	1.3	4
133	Broadband compact planar monopole. Microwave and Optical Technology Letters, 2011, 53, 2838-2842.	1.4	9
134	X-Band Planar Rectenna. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1116-1119.	4.0	43
135	Circuit model of carbon-nanotube inks for microelectronic and microwave tunable devices. , 2011, , .		7
136	Design and applications of a Software-Defined listener for UHF RFID systems. , 2011, , .		10
137	Optimized antennas for enhanced RFID sensor tags. , 2011, , .		3
138	A framework for context-aware home-health monitoring. International Journal of Autonomous and Adaptive Communications Systems, 2010, 3, 75.	0.3	29
139	Quality and anti-adulteration control of vegetable oils through microwave dielectric spectroscopy. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1031-1039.	5.0	77
140	TDR moisture measurements in granular materials: From the siliceous sand test case to the applications for agro-food industrial monitoring. Computer Standards and Interfaces, 2010, 32, 86-95.	5.4	12
141	New materials for electromagnetic shielding: Metal foams with plasma properties. Microwave and Optical Technology Letters, 2010, 52, 1700-1705.	1.4	10
142	Parallel efficient method of moments exploiting graphics processing units. Microwave and Optical Technology Letters, 2010, 52, 2568-2572.	1.4	20
143	Challenge. , 2010, , .		46
144	BROAD-BAND DIPOLE FOR RFID APPLICATIONS. Progress in Electromagnetics Research C, 2010, 12, 163-172.	0.9	17

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145	Energy detection and radiation by metallic rings embedded into a self-rolled In _x Ga _{1-x} As/GaAs micro-tube. , 2010, , .		0
146	A versatile context-aware pervasive monitoring system: Validation and characterization in the health-care domain. , 2010, , .		6
147	Integration of RFID and sensors for remote healthcare. , 2010, , .		6
148	Modified bowtie antenna for GPR applications. , 2010, , .		10
149	Sensor data transmission through passive RFID tags to feed wireless sensor networks. , 2010, , .		9
150	Sensor data transmission through passive RFID tags to feed wireless sensor networks. , 2010, , .		12
151	Improving item-level tracing systems through Ad Hoc UHF RFID tags. , 2010, , .		18
152	Introduction to GPU Computing and CUDA Programming: A Case Study on FDTD [EM Programmer's Notebook. IEEE Antennas and Propagation Magazine, 2010, 52, 116-122.	1.4	85
153	Genetic Optimization for Optimum 3G Network Planning: an Agent-Based Parallel Implementation. , 2010, , 189-194.		1
154	Extending OWL-S to nested services: an application to optimum wireless network planning. , 2010, , 191-195.		0
155	DESIGN OF A 3-STATE RECONFIGURABLE CRLH TRANSMISSION LINE BASED ON MEMS SWITCHES. Progress in Electromagnetics Research, 2009, 95, 283-297.	4.4	40
156	COMPACT MICROSTRIP ANTENNA FOR RFID APPLICATIONS. Progress in Electromagnetics Research Letters, 2009, 8, 191-199.	0.7	39
157	NEGATIVE GROUP VELOCITY IN A SPLIT RING RESONATOR-COUPLED MICROSTRIP LINE. Progress in Electromagnetics Research, 2009, 94, 33-47.	4.4	32
158	A context-aware smart infrastructure based on RFID sensor-tags and its application to the health-care domain. , 2009, , .		6
159	A Parallel Graded-Mesh FDTD Algorithm for Human- Antenna Interaction Problems. International Journal of Occupational Safety and Ergonomics, 2009, 15, 45-52.	1.9	3
160	Assessment of a TD-Based Method for Characterization of Antennas. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1412-1419.	4.7	31
161	A Noninvasive Resonance-Based Method for Moisture Content Evaluation Through Microstrip Antennas. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1420-1426.	4.7	48
162	TDR Moisture Estimation for Granular Materials: An Application in Agro-Food Industrial Monitoring. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2597-2605.	4.7	16

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163	A Combined TDR Method for Enhanced Reflectometry Measurements in Liquid Quality Monitoring. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3534-3543.	4.7	27
164	Signal reshaping in a transmission line with negative group velocity behavior. Microwave and Optical Technology Letters, 2009, 51, 2627-2633.	1.4	9
165	Metrological assessment of TDR performance for moisture evaluation in granular materials. Measurement: Journal of the International Measurement Confederation, 2009, 42, 254-263.	5.0	32
166	A Cost-Effective UHF RFID Tag for Transmission of Generic Sensor Data in Wireless Sensor Networks. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1291-1296.	4.6	45
167	The response of giant phospholipid vesicles to millimeter waves radiation. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1497-1507.	2.6	26
168	Software Agents: Introduction and Application to Optimum 3G Network Planning [EM Programmer's Notebook. IEEE Antennas and Propagation Magazine, 2009, 51, 147-155.	1.4	4
169	Experimental validation of a plasma model for electromagnetic metal foam shields. , 2009, , .		4
170	Dual-band artificial transmission lines branch-line coupler. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 53-62.	1.2	12
171	MEMS-reconfigurable bandpass filter. Microwave and Optical Technology Letters, 2008, 50, 2096-2099.	1.4	4
172	Compact broadband monolithic 3-dB coupler by using artificial transmission lines. Microwave and Optical Technology Letters, 2008, 50, 2662-2667.	1.4	10
173	A novel low-cost multisensor-tag for RFID applications in healthcare. Microwave and Optical Technology Letters, 2008, 50, 2877-2880.	1.4	20
174	Simultaneous measurement of dielectric properties and levels of liquids using a TDR method. Measurement: Journal of the International Measurement Confederation, 2008, 41, 307-319.	5.0	38
175	An evaluation of performance limits in continuous TDR monitoring of permittivity and levels of liquid materials. Measurement: Journal of the International Measurement Confederation, 2008, 41, 719-730.	5.0	15
176	Uncertainty Estimation in Simultaneous Measurements of Levels and Permittivities of Liquids Using TDR Technique. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 454-466.	4.7	34
177	A Proposal for an Electromagnetic Ontology Framework. , 2008, , .		2
178	A novel and low-cost multisensor-integrated RFID tag for biomedical applications. , 2008, , .		6
179	A Comparative Analysis of Reflectometry Methods for Characterization of Antennas. , 2008, , .		7
180	A Non-Invasive Approach for Moisture Measurements through Patch Antennas. , 2008, , .		7

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181	A proposal for an electromagnetic ontology framework. International Journal of Web and Grid Services, 2008, 4, 284.	0.5	3
182	A Framework for Context-Aware Home-Health Monitoring. Lecture Notes in Computer Science, 2008, , 119-130.	1.3	16
183	A frequency-domain method for extending TDR performance in quality determination of fluids. Measurement Science and Technology, 2007, 18, 675-688.	2.6	32
184	Knowledge Modeling in Electromagnetic Applications [EM Programmer's Notebook]. IEEE Antennas and Propagation Magazine, 2007, 49, 130-137.	1.4	2
185	Dispersion analysis of a planar negative group velocity-transmission line. , 2007, , .		1
186	Specific Absorption Rate (SAR) Numerical Evaluation: a Critical Discussion. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	2
187	Dispersion analysis of a planar negative group velocity-transmission line. , 2007, , .		0
188	A TDR Method for Real-Time Monitoring of Liquids. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1616-1625.	4.7	40
189	Reduced-size broadband CRLH-ATL Rat-Race coupler. , 2006, , .		8
190	High added-value em shielding by using metal-foams: experimental and numerical characterization. , 2006, , .		14
191	An Assessment on the Accuracy of Time-Domain Reflectometry for Measuring Level and Permittivity of Liquids. , 2006, , .		5
192	Gaussian pulse expansion of modulated signals in a double-negative slab. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2755-2761.	4.6	4
193	Tackling electrosmog in completely configured 3G networks by parallel cooperative meta-heuristics. IEEE Wireless Communications, 2006, 13, 34-41.	9.0	28
194	Semantic-driven grid-enabled computer-aided engineering of aperture-antenna arrays. IEEE Antennas and Propagation Magazine, 2006, 48, 106-116.	1.4	6
195	A novel theoretical formulation for the analysis of the propagation of finite-bandwidth signals in a double-negative slab. Microwave and Optical Technology Letters, 2005, 47, 434-439.	1.4	2
196	On the propagation of a Gaussian pulse in a double-negative slab. , 2005, , .		2
197	Analytical Solutions of Scattering from Multiple Elliptical Irises in Rectangular Waveguides. AEU - International Journal of Electronics and Communications, 2003, 57, 111-118.	2.9	3
198	Human exposure to the near field of radiobase antennas - a full-wave solution using parallel FDTD. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 935-940.	4.6	35

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199	Grid computing forelectromagnetics: a beginner's guide with applications. IEEE Antennas and Propagation Magazine, 2003, 45, 91-99.	1.4	7
200	An optimized parallel admittance matrix approach using the adjacence-graph recursive-thresholding technique. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2102-2107.	4.6	1
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