

Luciano Tarricone

List of Publications by Year in descending order

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216
papers

4,517
citations

136950

32
h-index

138484

58
g-index

218
all docs

218
docs citations

218
times ranked

3709
citing authors

#	ARTICLE	IF	CITATIONS
1	An IoT-Aware Architecture for Smart Healthcare Systems. IEEE Internet of Things Journal, 2015, 2, 515-526.	8.7	850
2	Electromagnetic Energy Harvesting and Wireless Power Transmission: A Unified Approach. Proceedings of the IEEE, 2014, 102, 1692-1711.	21.3	177
3	UHF Wearable Rectenna on Textile Materials. IEEE Transactions on Antennas and Propagation, 2013, 61, 3869-3873.	5.1	111
4	RAMSES: RFID Augmented Module for Smart Environmental Sensing. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1701-1708.	4.7	108
5	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
6	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
7	A Battery-Assisted Sensor-Enhanced RFID Tag Enabling Heterogeneous Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 1048-1055.	4.7	77
8	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
9	Resonant Inductive Link for Remote Powering of Pacemakers. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3814-3822.	4.6	70
10	Wearable Antennas: Nontextile Versus Fully Textile Solutions. IEEE Antennas and Propagation Magazine, 2019, 61, 71-83.	1.4	68
11	A Cost-Effective SDR Platform for Performance Characterization of RFID Tags. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 903-911.	4.7	63
12	Wearable Antennas for Remote Health Care Monitoring Systems. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	1.2	58
13	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
14	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
15	Enhanced UHF RFID Sensor-Tag. IEEE Microwave and Wireless Components Letters, 2013, 23, 49-51.	3.2	51
16	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
17	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
18	Challenge. , 2010, , .		46

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	X-Band Planar Rectenna. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1116-1119.	4.0	43
22	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
23	A TDR Method for Real-Time Monitoring of Liquids. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1616-1625.	4.7	40
24	DESIGN OF A 3-STATE RECONFIGURABLE CRLH TRANSMISSION LINE BASED ON MEMS SWITCHES. Progress in Electromagnetics Research, 2009, 95, 283-297.	4.4	40
25	COMPACT MICROSTRIP ANTENNA FOR RFID APPLICATIONS. Progress in Electromagnetics Research Letters, 2009, 8, 191-199.	0.7	39
26	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
27	Wearable logo antenna for GPS/GSM-based tracking systems. IET Microwaves, Antennas and Propagation, 2016, 10, 1332-1338.	1.4	38
28	Fully-Textile, Wearable Chipless Tags for Identification and Tracking Applications. Sensors, 2020, 20, 429.	3.8	38
29	MONOPOLE-BASED RECTENNA FOR MICROWAVE ENERGY HARVESTING OF UHF RFID SYSTEMS. Progress in Electromagnetics Research C, 2012, 31, 109-121.	0.9	37
30	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
31	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
32	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
33	Microwave characterisation of polylactic acid for 3D-printed dielectrically controlled substrates. IET Microwaves, Antennas and Propagation, 2017, 11, 1970-1976.	1.4	34
34	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
35	A frequency-domain method for extending TDR performance in quality determination of fluids. Measurement Science and Technology, 2007, 18, 675-688.	2.6	32
36	NEGATIVE GROUP VELOCITY IN A SPLIT RING RESONATOR-COUPLED MICROSTRIP LINE. Progress in Electromagnetics Research, 2009, 94, 33-47.	4.4	32

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37	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
38	RFID Sensor-Tags Feeding a Context-Aware Rule-Based Healthcare Monitoring System. Journal of Medical Systems, 2012, 36, 3435-3449.	3.6	32
39	Assessment of a TD-Based Method for Characterization of Antennas. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1412-1419.	4.7	31
40	SWITCHED-BEAM ANTENNA FOR WIRELESS SENSOR NETWORK NODES. Progress in Electromagnetics Research C, 2013, 39, 193-207.	0.9	31
41	A Frequency Signature RFID Chipless Tag for Wearable Applications. Sensors, 2019, 19, 494.	3.8	30
42	A framework for context-aware home-health monitoring. International Journal of Autonomous and Adaptive Communications Systems, 2010, 3, 75.	0.3	29
43	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
44	Tackling electrosmog in completely configured 3G networks by parallel cooperative meta-heuristics. IEEE Wireless Communications, 2006, 13, 34-41.	9.0	28
45	Enhanced UHF RFID Tags for Drug Tracing. Journal of Medical Systems, 2012, 36, 3451-3462.	3.6	28
46	Compact Switched-Beam Antennas Enabling Novel Power-Efficient Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 3252-3259.	4.7	28
47	Feasibility of a Wearable Reflectometric System for Sensing Skin Hydration. Sensors, 2020, 20, 2833.	3.8	28
48	A Combined TD-FD Method for Enhanced Reflectometry Measurements in Liquid Quality Monitoring. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3534-3543.	4.7	27
49	EXPERIMENTAL CHARACTERIZATION OF A 434 MHZ WIRELESS ENERGY LINK FOR MEDICAL APPLICATIONS. Progress in Electromagnetics Research C, 2012, 30, 53-64.	0.9	27
50	Ionic channel gating under electromagnetic exposure: a stochastic model. Bioelectrochemistry, 1993, 29, 289-304.	1.0	26
51	The response of giant phospholipid vesicles to millimeter waves radiation. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1497-1507.	2.6	26
52	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
53	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
54	Performance analysis of passive UHF RFID tags with GNU-radio. , 2011, , .		24

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55	Electron mobility and physical magnetoresistance in n-type GaSb layers grown by molecular beam epitaxy. Semiconductor Science and Technology, 1996, 11, 1656-1667.	2.0	23
56	Differential RCS and sensitivity calculation of RFID tags with Software-Defined Radio. , 2012, , .		23
57	EMC and EMI issues of WPT systems for wearable and implantable devices. IEEE Electromagnetic Compatibility Magazine, 2018, 7, 67-77.	0.1	22
58	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
59	Logo antenna on textile materials. , 2014, , .		21
60	A novel low-cost multisensor-tag for RFID applications in healthcare. Microwave and Optical Technology Letters, 2008, 50, 2877-2880.	1.4	20
61	Parallel efficient method of moments exploiting graphics processing units. Microwave and Optical Technology Letters, 2010, 52, 2568-2572.	1.4	20
62	Enabling self-powered autonomous wireless sensors with new-generation SiGe -RFID chips. , 2013, , .		20
63	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
64	Gain expressions for resonant inductive wireless power transfer links with one relay element. Wireless Power Transfer, 2018, 5, 27-41.	1.1	20
65	PERFORMANCE ENHANCEMENT OF THE RFID EPC GEN2 PROTOCOL BY EXPLOITING COLLISION RECOVERY. Progress in Electromagnetics Research B, 2012, 43, 53-72.	1.0	19
66	Wireless resonant energy link for pulse generators implanted in the chest. IET Microwaves, Antennas and Propagation, 2017, 11, 2201-2210.	1.4	19
67	Improving item-level tracing systems through Ad Hoc UHF RFID tags. , 2010, , .		18
68	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
69	Comparison of Fabrication Techniques for Flexible UHF RFID Tag Antennas [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2017, 59, 159-168.	1.4	18
70	A quasi-one-dimensional integration technique for the analysis of planar microstrip circuits via MPIE/MoM. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 517-523.	4.6	17
71	BROAD-BAND DIPOLE FOR RFID APPLICATIONS. Progress in Electromagnetics Research C, 2010, 12, 163-172.	0.9	17
72	Magnetically coupled resonant wireless power transmission: An artificial transmission line approach. , 2012, , .		17

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73	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
74	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
75	ISM BAND RECTENNA USING A RING LOADED MONOPOLE. Progress in Electromagnetics Research C, 2012, 33, 1-15.	0.9	16
76	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
77	A Framework for Context-Aware Home-Health Monitoring. Lecture Notes in Computer Science, 2008, , 119-130.	1.3	16
78	MOVPE growth and study of InP-based materials: opportunities and challenges. Materials Chemistry and Physics, 2000, 66, 189-196.	4.0	15
79	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
80	A Wearable Wireless Energy Link for Thin-Film Batteries Charging. International Journal of Antennas and Propagation, 2016, 2016, 1-9.	1.2	15
81	A Chipless Humidity Sensor for Wearable Applications. , 2019, , .		15
82	High added-value em shielding by using metal-foams: experimental and numerical characterization. , 2006, , .		14
83	A MICROSTRIP ANTENNA WITH A RECONFIGURABLE PATTERN FOR RFID APPLICATIONS. Progress in Electromagnetics Research B, 2012, 45, 101-116.	1.0	14
84	MPIE/MoM Acceleration With a General-Purpose Graphics Processing Unit. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2693-2701.	4.6	14
85	Textile logo antennas. , 2014, , .		14
86	Dry Textile Electrodes for Wearable Bio-Impedance Analyzers. IEEE Sensors Journal, 2020, 20, 6139-6147.	4.7	14
87	Modelling of neuronal cells exposed to RF fields from mobile telecommunication equipment. Bioelectrochemistry, 1998, 47, 199-205.	1.0	13
88	PLATFORM-ROBUST PASSIVE UHF RFID TAGS: A CASE-STUDY IN ROBOTICS. Progress in Electromagnetics Research C, 2012, 30, 27-39.	0.9	13
89	Wearable antennas for applications in remote assistance to elderly people. , 2017, , .		13
90	Low-Cost Chipless Sensor Tags for Wearable User Interfaces. IEEE Sensors Journal, 2019, 19, 10046-10053.	4.7	13

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91	Radio-frequency Identification Based on Textile, Wearable, Chipless Tags for IoT Applications. , 2019, , .		13
92	Portable Microwave Reflectometry System for Skin Sensing. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	13
93	Dual-band artificial transmission lines branch-line coupler. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 53-62.	1.2	12
94	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
95	Sensor data transmission through passive RFID tags to feed wireless sensor networks. , 2010, , .		12
96	Inductive link for power and data transfer to a medical implant. Wireless Power Transfer, 2017, 4, 98-112.	1.1	12
97	METAL FOAMS FOR ELECTROMAGNETICS: EXPERIMENTAL, NUMERICAL AND ANALYTICAL CHARACTERIZATION. Progress in Electromagnetics Research B, 2012, 45, 1-18.	1.0	11
98	Rigorous and efficient fabrication-oriented CAD and optimization of complex waveguide networks. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 2366-2374.	4.6	10
99	Compact broadband monolithic 3â€dB coupler by using artificial transmission lines. Microwave and Optical Technology Letters, 2008, 50, 2662-2667.	1.4	10
100	New materials for electromagnetic shielding: Metal foams with plasma properties. Microwave and Optical Technology Letters, 2010, 52, 1700-1705.	1.4	10
101	Modified bowtie antenna for GPR applications. , 2010, , .		10
102	Design and applications of a Software-Defined listener for UHF RFID systems. , 2011, , .		10
103	Radiofrequency characterization of polydimethylsiloxane â€“ iron oxide based nanocomposites. Microelectronic Engineering, 2013, 111, 46-51.	2.4	10
104	Integration of UHF RFID and WSN technologies in healthcare systems. , 2014, , .		10
105	Textile Wearable Antenna for Firefighters Positioning. , 2019, , .		10
106	Signal reshaping in a transmission line with negative group velocity behavior. Microwave and Optical Technology Letters, 2009, 51, 2627-2633.	1.4	9
107	Sensor data transmission through passive RFID tags to feed wireless sensor networks. , 2010, , .		9
108	Broadband compact planar monopole. Microwave and Optical Technology Letters, 2011, 53, 2838-2842.	1.4	9

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109	On the use of UHF RFID antenna systems customized for robotic applications. , 2012, , .		9
110	Fully-passive devices for RFID smart sensing. , 2013, , .		9
111	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
112	Wireless energy link for deep brain stimulation. , 2015, , .		9
113	A wearable wireless energy link. , 2015, , .		9
114	A Fully-Textile Chipless Tag. , 2018, , .		9
115	Optimal Terminations for a Single-Input Multiple-Output Resonant Inductive WPT Link. Energies, 2020, 13, 5157.	3.1	9
116	Microwave Wearable System for Sensing Skin Hydration. , 2021, , .		9
117	Textile Chipless Tag for Gesture Recognition. IEEE Sensors Journal, 2021, 21, 18279-18286.	4.7	9
118	Wireless Power Transfer Strategies for Medical Implants: Focus on Robustness and EM Compatibility. IEEE Microwave Magazine, 2021, 22, 28-41.	0.8	9
119	A parallel framework for the analysis of metal-flanged rectangular-aperture arrays. IEEE Transactions on Antennas and Propagation, 2001, 49, 1479-1484.	5.1	8
120	Reduced-size broadband CRLH-ATL Rat-Race coupler. , 2006, , .		8
121	Ultralong-Range RFID-Based Wake-Up Radios for Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 4016-4017.	4.7	8
122	Improved RFID tag characterization system: Use case in the IoT arena. , 2016, , .		8
123	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
124	Grid computing forelectromagnetics: a beginner's guide with applications. IEEE Antennas and Propagation Magazine, 2003, 45, 91-99.	1.4	7
125	A Comparative Analysis of Reflectometry Methods for Characterization of Antennas. , 2008, , .		7
126	A Non-Invasive Approach for Moisture Measurements through Patch Antennas. , 2008, , .		7

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127	Circuit model of carbon-nanotube inks for microelectronic and microwave tunable devices. , 2011, , .		7
128	Applying multi-criteria approaches to ontology ranking: a comparison with AKTiveRank. International Journal of Metadata, Semantics and Ontologies, 2012, 7, 197.	0.2	7
129	Resonant Energy Scavenger for Sensor Powering by Spurious Emissions From Compact Fluorescent Lamps. IEEE Sensors Journal, 2014, 14, 2347-2354.	4.7	7
130	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
131	Augmented RFID Technologies for the Internet of Things and Beyond. Sensors, 2020, 20, 987.	3.8	7
132	A strategy for the efficient full-wave description of complex waveguide networks. The International Executive, 1996, 6, 183-196.	0.1	6
133	Semantic-driven grid-enabled computer-aided engineering of aperture-antenna arrays. IEEE Antennas and Propagation Magazine, 2006, 48, 106-116.	1.4	6
134	A novel and low-cost multisensor-integrated RFID tag for biomedical applications. , 2008, , .		6
135	A context-aware smart infrastructure based on RFID sensor-tags and its application to the health-care domain. , 2009, , .		6
136	A versatile context-aware pervasive monitoring system: Validation and characterization in the health-care domain. , 2010, , .		6
137	Integration of RFID and sensors for remote healthcare. , 2010, , .		6
138	Prototyping flexible UHF RFID tags through rapid and effective unconventional techniques: Validation on label-type sensor-tag. , 2012, , .		6
139	A stable and efficient admittance method via adjacence graphs and recursive thresholding. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1750-1756.	4.6	5
140	An Assessment on the Accuracy of Time-Domain Reflectometry for Measuring Level and Permittivity of Liquids. , 2006, , .		5
141	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
142	Wireless power transfer link for rechargeable deep brain stimulators. , 2015, , .		5
143	Optimal Couplings for a Four-coils WPT Link. , 2018, , .		5
144	Multiple Input Multiple Output Resonant Inductive WPT Link: Optimal Terminations for Efficiency Maximization. Energies, 2021, 14, 2194.	3.1	5

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145	A tabu search strategy for an efficient solution of linear systems in electromagnetic problems. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1997, 10, 315-328.	1.9	4
146	A comparison of numerical methods for the full-wave analysis of flange mounted rectangular apertures. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2000, 13, 21-35.	1.9	4
147	A nalytical Evaluation of Coupling Integrals for Elliptical Irisesin Rectangular Waveguides.. , 2000, , .		4
148	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
149	MEMSâ€™reconfigurable bandpass filter. Microwave and Optical Technology Letters, 2008, 50, 2096-2099.	1.4	4
150	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
151	Experimental validation of a plasma model for electromagnetic metal foam shields. , 2009, , .		4
152	Iterative Solution of Linear Systems in Electromagnetics (And Not Only): Experiences with CUDA. Lecture Notes in Computer Science, 2011, , 329-337.	1.3	4
153	Increasing performance of SDR-based collision-free RFID systems. , 2012, , .		4
154	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
155	GHz Properties of Magnetophoretically Aligned Iron-Oxide Nanoparticle Doped Polymers. ACS Applied Materials & Interfaces, 2013, 5, 2908-2914.	8.0	4
156	Switched-Beam Antenna for WSN Nodes Enabling Hardware-driven Power Saving. , 0, , .		4
157	Improved Battery-Less Augmented RFID Tag: Application on Ambient Sensing and Control. IEEE Sensors Journal, 2016, 16, 3484-3485.	4.7	4
158	Wireless power link for rechargeable pacemakers. , 2017, , .		4
159	Wireless Resonant Energy Link for Joint Flexion Monitoring: Experimental Investigation by Using a NanoVNA. , 2022, , .		4
160	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
161	A proposal for an electromagnetic ontology framework. International Journal of Web and Grid Services, 2008, 4, 284.	0.5	3
162	A Parallel Graded-Mesh FDTD Algorithm for Humanâ€™Antenna Interaction Problems. International Journal of Occupational Safety and Ergonomics, 2009, 15, 45-52.	1.9	3

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163	Optimized antennas for enhanced RFID sensor tags. , 2011, , .		3
164	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
165	A LONG-RANGE COMPUTATIONAL RFID TAG FOR TEMPERATURE AND ACCELERATION SENSING APPLICATIONS. Progress in Electromagnetics Research C, 2013, 45, 223-235.	0.9	3
166	Power generation by spurious emissions from compact fluorescent lamps. , 2014, , .		3
167	Advances in the design of smart, multi-function, RFID-enabled devices. , 2014, , .		3
168	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
169	Evaluating the suitability of specific RFID tags for IoT applications through a new characterization platform. , 2016, , .		3
170	Measurement system for over-the-air evaluation of UHF RFID tags quality. Wireless Power Transfer, 2017, 4, 33-41.	1.1	3
171	Matched resonant inductive WPT using the coupling-independent regime: Theory and experiments. , 2017, , .		3
172	Introductory review on object oriented paradigm for full-wave microwave CAD. International Journal of RF and Microwave Computer-Aided Engineering, 2002, 12, 341-353.	1.2	2
173	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
174	On the propagation of a Gaussian pulse in a double-negative slab. , 2005, , .		2
175	Knowledge Modeling in Electromagnetic Applications [EM Programmer's Notebook]. IEEE Antennas and Propagation Magazine, 2007, 49, 130-137.	1.4	2
176	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
177	A Proposal for an Electromagnetic Ontology Framework. , 2008, , .		2
178	Multipacket reception MAC schemes for the RFID EPC Gen2 protocol. , 2012, , .		2
179	GPU-based acceleration of computational electromagnetics codes. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 309-323.	1.9	2
180	A Linked Data Approach to Electromagnetic Pollution Monitoring. , 2013, , .		2

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181	A novel circuit model of nanotechnology-enabled inkjet-printed gas sensors using multi-wall carbon nanotubes. , 2013, , .		2
182	Energy harvesting of spurious emissions of compact fluorescent lamps for home monitoring applications. , 2014, , .		2
183	Integrating social web and e-learning to enhance cooperation in the building sector. , 2014, , .		2
184	A UHF-RFID power management circuit for body sensor networks. , 2015, , .		2
185	Cost-effective electromagnetic characterization system for radiation pattern and sensitivity estimation of UHF RFID tags. , 2015, , .		2
186	A wireless power link on leather for applications in the clothing industry. , 2015, , .		2
187	Non-radiative Wireless Power Transmission: Theory and Applications. , 2016, , 3-30.		2
188	Characterization of wireless power transfer links by network invariants. , 2017, , .		2
189	Pacemaker Recharge Through Inductive Resonant Wireless Power Transfer. , 2019, , .		2
190	Evaluation of fractal properties of ACh-receptor channel's gating exposed to microwave fields. Bioelectrochemistry, 1994, 35, 81-85.	1.0	1
191	Efficient linear system solution in moment methods using wavelet expansions. IEEE Transactions on Antennas and Propagation, 2000, 48, 1257-1259.	5.1	1
192	An optimized parallel admittance matrix approach using the adjacency-graph recursive-thresholding technique. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2102-2107.	4.6	1
193	Dispersion analysis of a planar negative group velocity-transmission line. , 2007, , .		1
194	A THREE-BAND T-JUNCTION POWER DIVIDER BASED ON ARTIFICIAL TRANSMISSION LINES. Progress in Electromagnetics Research C, 2013, 34, 41-52.	0.9	1
195	NOVEL PLANAR ANTENNA WITH A BROADSIDE RADIATION. Progress in Electromagnetics Research Letters, 2013, 38, 45-53.	0.7	1
196	EM design of a passive RFID-based device with sensing and reasoning capabilities. , 2015, , .		1
197	A ~ 19 dBm sensitivity integrated RF-DC converter with regulated output voltage for powering UHF wireless sensors. , 2015, , .		1
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