Paolo Nepa

List of Publications by Year in descending order

271 papers	4,440 citations	117625 34 h-index	149698 56 g-index
273 all docs	273 docs citations	273 times ranked	2385 citing authors

#	Article	IF	Citations
1	A Synthetic Aperture UHF RFID Localization Method by Phase Unwrapping and Hyperbolic Intersection. IEEE Transactions on Automation Science and Engineering, 2022, 19, 933-945.	5.2	24
2	Multifeed triâ€band circularly polarized antenna for <scp>UHF</scp> / <scp>MWâ€RFID</scp> application. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22939.	1.2	6
3	Multi-User Near-Field Focusing Through Time-Modulated Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 3374-3384.	5.1	2
4	An IoT-Aware Smart System Exploiting the Electromagnetic Behavior of UHF-RFID Tags to Improve Worker Safety in Outdoor Environments. Electronics (Switzerland), 2022, 11, 717.	3.1	14
5	A UHF-RFID Multi-Antenna Sensor Fusion Enables Item and Robot Localization. IEEE Journal of Radio Frequency Identification, 2022, 6, 456-466.	2.3	14
6	Performance Assessment of a UHF-RFID Robotic Inventory System for Industry 4.0. , 2022, , .		1
7	A Comparison Between Different Approaches to Wireless Power Transfer. , 2022, , .		0
8	UHF-RFID SAR robotic inventory and localization: handling systems vs. multi-antenna solutions. , 2022, , .		2
9	Artificial Intelligence enhances Smart RFID Portal for retail. , 2022, , .		2
10	A Compact and Wideband Dashboard Antenna for Vehicular LTE/5G Wireless Communications. Electronics (Switzerland), 2022, 11, 1923.	3.1	6
11	RFID-based robot localisation: an unconstrained optimisation problem by exploiting RSSI. , 2022, , .		3
12	Robot-Based Indoor Positioning of UHF-RFID Tags: The SAR Method With Multiple Trajectories. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	59
13	Compact and Wearable Yagi-Like Textile Antennas for Near-Field UHF-RFID Readers. IEEE Transactions on Antennas and Propagation, 2021, 69, 1324-1333.	5.1	20
14	Sensor-Fusion and Tracking Method for Indoor Vehicles With Low-Density UHF-RFID Tags. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	41
15	Self-Locating RFID Robot for Tag Localization in Retails. , 2021, , .		2
16	Compact Dual-Band Circularly Polarized Stacked Patch Antenna for Microwave-Radio-Frequency Identification Multiple-Input-Multiple-Output Application. International Journal of Antennas and Propagation, 2021, 2021, 1-13.	1.2	6
17	An Action Classification Method for Forklift Monitoring in Industry 4.0 Scenarios. Sensors, 2021, 21, 5183.	3.8	16
18	Robot Localisation Using UHF-RFID Tags: A Kalman Smoother Approach â€. Sensors, 2021, 21, 717.	3.8	15

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19	A Survey on Indoor Vehicle Localization Through RFID Technology. IEEE Access, 2021, 9, 17921-17942.	4.2	97
20	An RFID-based Ranging System for Worker Safety in Agricultural Working Areas. , 2021, , .		7
21	RFID-Based Localization Enables a Smart System for Worker Safety. , 2021, , .		7
22	An RFID Tracking System for Agricultural Safety. , 2021, , .		7
23	Past, Present and Future RFID Activities at the University of Pisa. , 2021, , .		0
24	Forklift Tracking: Industry 4.0 Implementation in Large-Scale Warehouses through UWB Sensor Fusion. Applied Sciences (Switzerland), 2021, 11, 10607.	2.5	17
25	The MONITOR Project: RFID-based Robots enabling real-time inventory and localization in warehouses and retail areas. , 2021, , .		4
26	RFID-Based Tracking for Worker Safety in Industrial Scenario. , 2021, , .		6
27	Ranging-Free UHF-RFID Robot Positioning Through Phase Measurements of Passive Tags. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2408-2418.	4.7	48
28	Modified Yagi-Uda Reader Antenna for UHF RFID Smart-Glove. , 2020, , .		0
29	Performance Analysis of a Compact UHF RFID Ceramic Tag in High-Temperature Environments. IEEE Journal of Radio Frequency Identification, 2020, 4, 461-467.	2.3	9
30	Wearable Dual-Band Quasi-Yagi Antenna for UHF-RFID and 2.4 GHz Applications. IEEE Journal of Radio Frequency Identification, 2020, 4, 420-427.	2.3	21
31	A Dual Circularly Polarized Patch Antenna With High Isolation for MIMO WLAN Applications. IEEE Access, 2020, 8, 117833-117840.	4.2	24
32	Particle Swarm Optimization in SAR-Based Method Enabling Real-Time 3D Positioning of UHF-RFID Tags. IEEE Journal of Radio Frequency Identification, 2020, 4, 300-313.	2.3	45
33	A Wideband Low-Profile Antenna for LTE/5G. , 2020, , .		0
34	GOOD_GO: An Open-Source Platform to Incentive Urban Sustainable Mobility. Lecture Notes in Computer Science, 2020, , 228-238.	1.3	0
35	SAR-based Localization of UHF-RFID Tags in Smart Warehouses. , 2020, , .		3
36	Compact Quasi-Yagi Reader Antenna for UHF RFID Smart-Glove. , 2020, , .		3

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37	Robot Localization via Passive UHF-RFID Technology: State-of-the-Art and Challenges. , 2020, , .		7
38	A SAR-Based Measurement Method for Passive-Tag Positioning With a Flying UHF-RFID Reader. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 845-853.	4.7	73
39	A UHF-RFID Gate Control System Based on a Recurrent Neural Network. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2330-2334.	4.0	9
40	Wireless Power Transfer Through Simultaneous Near-Field Focusing and Far-Field Synthesis. IEEE Transactions on Antennas and Propagation, 2019, 67, 5623-5633.	5.1	28
41	Towards a Multi-antenna approach for UHF-RFID tag 3D localization with a Synthetic Aperture Radar Method. , 2019, , .		6
42	Near-Field Focused Subarrays in a Multi-Panel Configuration. IEEE Access, 2019, 7, 143097-143108.	4.2	4
43	Glove Integrated Solenoid Antennas for Near-Field UHF RFID Applications. , 2019, , .		2
44	Again on Spatial Focusing and Shaping of the Electromagnetic Field in the Antenna Radiative Near-Field Region. , 2019, , .		0
45	Electromagnetic Analysis and Performance Comparison of Fully 3D-printed Antennas. , 2019, , .		8
46	Robot Localisation based on Phase Measures of backscattered UHF-RFID Signals. , 2019, , .		10
47	Particle Swarm Optimization in Multi-Antenna SAR-based Localization for UHF-RFID Tags. , 2019, , .		12
48	I-READ 4.0: Internet-of-READers for an efficient asset management in large warehouses with high stock rotation index. , 2019, , .		11
49	Design of a Compact Yagi-Uda Antenna for Near Field UHF RFID Smart gloves. , 2019, , .		4
50	Inventory of Piled metal tubes using RFID technology. , 2019, , .		0
51	A UHF-RFID gate control system based on a Convolutional Neural Network. , 2019, , .		7
52	A Phase-based Method for UHF RFID Gate Access Control. , 2019, , .		9
53	Using the Power Transfer Efficiency for RFID detection in Unusual Scenarios. , 2019, , .		1
54	A Compact UHF RFID Ceramic Tag for High-Temperature Applications. , 2019, , .		6

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55	A Phase-Based Method for Mobile Node Localization through UHF-RFID Passive Tags. , 2019, , .		14
56	A UHF RFID Tag Embeddable in Small Metal Cavities. IEEE Transactions on Antennas and Propagation, 2019, 67, 1374-1379.	5.1	18
57	Near-field coupling in wireless systems. , 2019, , .		0
58	RSSI Measurements for RFID Tag Classification in Smart Storage Systems. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 894-904.	4.7	45
59	Considering High-Performance Near-Field Reader Antennas: Comparisons of Proposed Antenna Layouts for Ultrahigh-Frequency Near-Field Radio-Frequency Identification. IEEE Antennas and Propagation Magazine, 2018, 60, 14-26.	1.4	43
60	Design Considerations on the Placement of a Wearable UHF-RFID PIFA on a Compact Ground Plane. IEEE Transactions on Antennas and Propagation, 2018, 66, 3142-3147.	5.1	34
61	Numerical analysis of wireless power transfer in near-field UHF-RFID systems. Wireless Power Transfer, 2018, 5, 42-53.	1.1	3
62	On RFID Tag Detection Inside Metal Pipes. , 2018, , .		1
63	A Multi-Antenna SAR-based method for UHF RFID Tag Localization via UGV. , 2018, , .		21
64	SAR-Based Indoor Localization of UHF-RFID Tags via Mobile Robot. , 2018, , .		49
65	Detection of UHF RFID Tags in Metallic Guided Structures. , 2018, , .		2
66	Near-Field-Focused Microwave Antennas: Near-field shaping and implementation. IEEE Antennas and Propagation Magazine, 2017, 59, 42-53.	1.4	133
67	Experimental assessment of a design criterion for RFID wearable antennas. , 2017, , .		1
68	The SARFID Technique for Discriminating Tagged Items Moving Through a UHF-RFID Gate. IEEE Sensors Journal, 2017, 17, 2863-2870.	4.7	25
69	Numerical Investigation of an UWB Localization Technique for Unmanned Aerial Vehicles in Outdoor Scenarios. IEEE Sensors Journal, 2017, 17, 2896-2903.	4.7	55
70	Energy-Based Considerations for Ungrounded Wearable UHF Antenna Design. IEEE Sensors Journal, 2017, 17, 687-694.	4.7	29
71	Reconfigurable Modular Antenna for NF UHF RFID Smart Point Readers. IEEE Transactions on Antennas and Propagation, 2017, 65, 498-506.	5.1	24
72	Experimental Validation of a SAR-Based RFID Localization Technique Exploiting an Automated Handling System. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	4.0	38

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73	Dome-Shaped Ellipsoidal Reflector Antenna for UHF-RFID Readers With Confined Near-Field Detection Region. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2505-2508.	4.0	2
74	A novel 3D antenna for LTE MIMO systems. , 2017, , .		1
75	Robustness of complementary wearable ungrounded antennas with respect to the human body. Journal of Electromagnetic Waves and Applications, 2017, 31, 1685-1697.	1.6	9
76	On the tag detection in near-field UHF RFID applications. , 2017, , .		0
77	UHF-RFID smart gate: Tag action classifier by artificial neural networks. , 2017, , .		12
78	SARFID on drone: Drone-based UHF-RFID tag localization. , 2017, , .		39
79	A compact 3D antenna for automotive LTE MIMO applications. , 2017, , .		4
80	Synthesis of near field focused arrays including far field constrains. , 2017, , .		3
81	The SARFID technique in handling systems applications. , 2017, , .		0
82	An RFID-based technique for train localization with passive tags. , 2017, , .		15
83	Printed Wideband Antenna for LTE-Band Automotive Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1245-1248.	4.0	43
84	Experimental validation of a design criterion for UHF ungrounded wearable antennas for RFID applications. , 2017, , .		1
85	Focusing characteristics of near-field radiations from multi-panels of phased array of antennas in circularly cylindrical arrangement. , 2017, , .		4
86	Design of a 3D-printed circularly polarized antenna for portable UHF RFID readers. , 2017, , .		9
87	Low-profile antennas for near-field UHF RFID systems: Design, measurements and system-level characterization. , 2017, , .		2
88	Measurement system with leaky coaxial cables operating as distributed antennas for UHF-RFID readers. , 2017, , .		4
89	Wireless power transfer in UHF RFID printer encoder. , 2017, , .		1
90	A 3D LTE antenna for vehicular applications. , 2017, , .		10

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91	Localization of a mobile device equipped with an RFID reader. , 2017, , .		7
92	Design of ellipsoidal reflector antennas for near-field RFID applications at UHF band. , 2017, , .		1
93	Technologies for Near-Field Focused Microwave Antennas. International Journal of Antennas and Propagation, 2017, 2017, 1-17.	1.2	24
94	A multi-antenna phase-based localization technique for moving tags. , 2016, , .		1
95	A 2D localization technique for UHF-RFID smart bookshelves. , 2016, , .		3
96	Optimal antennas for RFID printer-encoders. , 2016, , .		0
97	Multifunctional modular antenna for nearâ€field ultraâ€high frequency radio frequency identification readers. IET Microwaves, Antennas and Propagation, 2016, 10, 843-849.	1.4	13
98	A novel UWB antenna for vehicle-to-infrastructure automotive applications. , 2016, , .		1
99	A theoretical analysis to reduce the human body effect on wearable PIFAs performance. , 2016, , .		0
100	Advanced SARFID: A localization technique for UHF RFID tags. , 2016, , .		6
101	Analysis of wearable ungrounded antennas for UHF RFIDs with respect to the coupling with human-body. , 2016, , .		5
102	An overview on Modular Antennas for Near-field UHF-RFID systems. , 2016, , .		4
103	SARFID: A phase-based localization technique for UHF RFID tags moving along arbitrary trajectories. , 2016, , .		0
104	Near-field focused radiation by two edge-coupled microstrip antenna arrays. , 2016, , .		7
105	A UWB antenna for X-band automotive applications. , 2016, , .		2
106	Near-field focused antennas: from optics to microwaves. , 2016, , .		3
107	Multi-facet focused microwave antennas. , 2016, , .		5
108	A modular antenna for near-field UHF-RFID smart point readers. , 2016, , .		1

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109	Indoor channel characterization for future 5G applications. , 2016, , .		1
110	Wearable selfâ€tuning antenna for emergency rescue operations. IET Microwaves, Antennas and Propagation, 2016, 10, 173-183.	1.4	20
111	Robustness of Wearable UHF-Band PIFAs to Human-Body Proximity. IEEE Transactions on Antennas and Propagation, 2016, 64, 2050-2055.	5.1	51
112	UHF-RFID Desktop Reader Antennas: Performance Analysis in the Near-Field Region. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1430-1433.	4.0	34
113	Stand-Alone Smart Wireless Sensor Nodes Providing Dynamic Routing by Means of Adaptive Beamforming. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 89-98.	0.3	0
114	A two-element modular antenna for near-field UHF RFID applications. , 2015, , .		4
115	A reconfigurable layout for a self-structuring life-jacket-integrated antenna of a SAR system. , 2015, , .		3
116	Lessons learned on device free localization with single and multi channel mode. , 2015, , .		0
117	Antennas for UHF-RFID printer-encoders. , 2015, , .		9
118	Accuracy of a Multiprobe Conformal Sensor in Estimating the Dielectric Constant in Deep Biological Tissues. IEEE Sensors Journal, 2015, 15, 5217-5221.	4.7	17
119	Wearable Antennas for Off-Body Radio Links at VHF and UHF Bands: Challenges, the state of the art, and future trends below 1 GHz. IEEE Antennas and Propagation Magazine, 2015, 57, 30-52.	1.4	102
120	Auto tuning network for a SAR wearable antenna. , 2015, , .		0
121	A scalable modular antenna configuration to extend the detection volume of a near-field UHF-RFID desktop reader. , 2015, , .		5
122	Antennas and photovoltaic panels: Toward a green Internet of Things. , 2015, , .		7
123	On the performance of low-profile antennas for wearable UHF-RFID tags. , 2015, , .		8
124	Numerical investigation on the tolerance of wearable UHF-RFID tags to human body coupling. , 2015, , .		7
125	Wearable active Sierpinski fractal antenna for off-body communication. , 2015, , .		5
126	A Phase-Based Technique for Localization of UHF-RFID Tags Moving on a Conveyor Belt: Performance Analysis and Test-Case Measurements. IEEE Sensors Journal, 2015, 15, 387-396.	4.7	133

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127	A modular antenna for UHF RFID near-field desktop reader. , 2014, , .		14
128	Modular antenna for reactive and radiative near-field regions of UHF-RFID desktop readers. , 2014, , .		14
129	A phase-based technique for discriminating tagged items moving through a UHF-RFID gate. , 2014, , .		6
130	On the differential feeding technique for circularly polarized resonant antennas. , 2014, , .		1
131	Meandered TWAs array for nearâ€field UHF RFID applications. Electronics Letters, 2014, 50, 17-18.	1.0	40
132	Dual-Band UHF-RFID/WLAN Circularly Polarized Antenna for Portable RFID Readers. IEEE Transactions on Antennas and Propagation, 2014, 62, 2822-2826.	5.1	88
133	A Simple Design of Patch Antenna Array With an Optimized Field Distribution in the Near-Zone for RFID Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 257-260.	4.0	19
134	Performance comparison between an UHF RFID antenna for portable reader and its UHF RFID/WLAN dual-band version. , 2014, , .		4
135	Axial ratio analysis of single-feed circularly polarized resonant antennas. Journal of Electromagnetic Waves and Applications, 2014, 28, 716-728.	1.6	7
136	Design and characterization of wearable antennas. , 2013, , .		12
137	Integration of Slot Antennas in Commercial Photovoltaic Panels for Stand-Alone Communication Systems. IEEE Transactions on Antennas and Propagation, 2013, 61, 62-69.	5.1	36
138	An indoor propagation model for development and testing of UHF-RFID tag localization techniques. , 2013, , .		5
139	Design and experimental validation of a windscreen patch array for C2C communications. , 2013, , .		5
140	A localization technique for smart bookshelves based on UHF-RFID systems. , 2013, , .		8
141	Experimental validation of phase-based localization of UHF-RFID tags moving on a conveyor belt. , 2013, , .		3
142	An array of meander Travelling Wave Antennas for near-field UHF-RFID readers. , 2013, , .		8
143	Dual-Band Integrated Antennas for DVB-T Receivers. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	2
144	RF Sensor for Non-invasive Cardiopulmonary Monitoring. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 332-340.	0.3	1

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145	Device-Free Indoor Localization for AAL Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 361-368.	0.3	5
146	RFID-Based Smart Shelving Storage Systems. , 2012, , .		9
147	Design and performance analysis of a planar antenna for near-field UHF-RFID desktop readers. , 2012, , .		32
148	Design and performance analysis of a slot antenna integrated in a photovoltaic panel. , 2012, , .		3
149	Numerical Analysis of a Wideband Thick Archimedean Spiral Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 168-171.	4.0	11
150	An efficient technique for the analysis of unconventional periodic surfaces. , 2012, , .		0
151	Design and performance of an integrated antenna for a 433MHz car park monitoring system. , 2012, , .		0
152	Location and tracking of items moving on a conveyor belt and equipped with UHF-RFID tags. , 2012, , .		11
153	High-frequency diffraction by anisotropic impedance wedges: A review. , 2012, , .		0
154	Multi-arm cylindrical folded dipole antenna for collinear arrays. IET Microwaves, Antennas and Propagation, 2012, 6, 729.	1.4	1
155	A Compact Dual-Band PIFA for DVB-T and WLAN Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 2084-2087.	5.1	18
156	Design Criteria for Near-Field-Focused Planar Arrays. IEEE Antennas and Propagation Magazine, 2012, 54, 40-50.	1.4	140
157	A Wearable Two-Antenna System on a Life Jacket for Cospas-Sarsat Personal Locator Beacons. IEEE Transactions on Antennas and Propagation, 2012, 60, 1035-1042.	5.1	36
158	Tuning of on-metal UHF RFID inlay tags loaded with a thin magneto-dielectric slab. Microwave and Optical Technology Letters, 2012, 54, 1630-1633.	1.4	0
159	Location and Tracking of UHF-RFID Tags. , 2011, , .		8
160	Near-field focused planar microstrip arrays. , 2011, , .		2
161	Analysis of magnetic field disturbances generated by metallic implants at 0.31T. , 2011, , .		0
162	A survey on the extension of the UTD to the analysis of inhomogeneous plane wave diffraction. , 2011, , .		0

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163	Analysis of near-field coupling in UHF-RFID systems. , 2011, , .		14
164	Parasitic Current Reduction on Electrically Long Coaxial Cables Feeding Dipoles of a Collinear Array. IEEE Transactions on Antennas and Propagation, 2011, 59, 4318-4321.	5.1	9
165	A wearable multi antenna system on a life jacket for Cospas Sarsat rescue applications. , 2011, , .		6
166	Realistic implementation of ellipsoidal reflector antennas to produce nearâ€field focused patterns. Radio Science, 2011, 46, .	1.6	9
167	Design of a Near-Field Focused Reflectarray Antenna for 2.4 GHz RFID Reader Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 1013-1018.	5.1	113
168	Dual-band integrated G-PIFA antenna for DVB-T and WLAN applications. , 2011, , .		0
169	Design of a “birdcage-like” antenna for collinear arrays. , 2011, , .		0
170	Wideband integrated H-PIFA antenna for DVB-T and WiMAX applications. , 2011, , .		0
171	Dual-polarised slot-coupled patch antenna excited by a square ring slot. IET Microwaves, Antennas and Propagation, 2011, 5, 605.	1.4	20
172	Limb Movements Classification Using Wearable Wireless Transceivers. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 474-480.	3.2	44
173	Path gain models for on-body communication systems at 2.4 and 5.8 GHz. Annales Des Telecommunications/Annals of Telecommunications, 2011, 66, 205-212.	2.5	8
174	An Integrated Dual-Band PIFA for DVB-T and WiMAX Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1027-1030.	4.0	14
175	Dual-polarisation and dual-pattern planar antenna for diversity in body-centric communications. IET Microwaves, Antennas and Propagation, 2010, 4, 106.	1.4	20
176	Performance evaluation of diversity schemes for laptop computers. IET Microwaves, Antennas and Propagation, 2010, 4, 2024.	1.4	1
177	Wideband dualâ€polarized stackedâ€patch antenna array for base stations. Microwave and Optical Technology Letters, 2010, 52, 1048-1052.	1.4	4
178	A Single On-Body Antenna as a Sensor for Cardiopulmonary Monitoring. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 930-933.	4.0	23
179	A Low-Profile Linearly Polarized 3D PIFA for Handheld GPS Terminals. IEEE Transactions on Antennas and Propagation, 2010, 58, 1060-1066.	5.1	38
180	An annular-slot coupling feeding technique for dual-feed circularly polarized patch arrays. , 2010, , .		2

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181	Design of a near-field focused reflectarray antenna for RFID reader applications. , 2010, , .		4
182	Circularly polarized square ring slot patch antennas. , 2010, , .		0
183	AR bandwidth enhancement for single-feed circularly polarized square ring slot patch antenna. , 2010, , .		1
184	A wideband linear array of slot-coupled stacked-patches. , 2010, , .		4
185	Detection and classification of human arm movements for physical rehabilitation. , 2010, , .		10
186	Performance analysis of near-field focused planar arrays. , 2010, , .		1
187	DFT-UTD based MoM approach for an efficient analysis of scattering from large, finite arrays in the vicinity of scattering objects. , 2010, , .		0
188	Single-feed circularly polarised aperture-coupled square ring slot microstrip antenna. Electronics Letters, 2010, 46, 268.	1.0	20
189	Characteristic comparisons between array, reflectarray and elliptic reflector antennas in RFID near-field focused communications. , 2010, , .		4
190	A Focused Planar Microstrip Array for 2.4 GHz RFID Readers. IEEE Transactions on Antennas and Propagation, 2010, 58, 1536-1544.	5.1	184
191	A Novel Dipole Antenna Design With an Over 100% Operational Bandwidth. IEEE Transactions on Antennas and Propagation, 2010, 58, 2737-2741.	5.1	17
192	A Novel Dual-Feed Slot-Coupling Feeding Technique for Circularly Polarized Patch Arrays. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 183-186.	4.0	43
193	A novel slot-coupling feeding technique for circularly polarized patch antennas. , 2010, , .		0
194	A Wideband Slot-Coupled Stacked-Patch Array for Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 986-989.	4.0	52
195	Channel model for on body communication along and around the human torso at 2.4GHz and 5.8GHz. , 2010, , .		4
196	RSSI localisation with sensors placed on the user. , 2010, , .		10
197	Cylindrical Dielectric Resonator Antennas with Harmonic Control as an Active Antenna Radiator. International Journal of Antennas and Propagation, 2009, 2009, 1-7.	1.2	1
198	A square ring slot feeding technique for dual-polarized patch antennas. , 2009, , .		10

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199	Near field focused microstrip arrays for gate access control systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	38
200	Electromagnetic scattering from obstacles in the near field region of electrically large arrays. , 2009, , .		1
201	Accuracy limits of in-room localisation using RSSI. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	19
202	Novel ultra wideband antenna featuring over 100% bandwidth. , 2009, , .		0
203	Diversity Performance Analysis for On-Body Communication Channels at 2.45 GHz. IEEE Transactions on Antennas and Propagation, 2009, 57, 956-963.	5.1	70
204	Body posture/activity detection: Path loss characterization for 2.4GHz on-body wireless sensors. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
205	Comparison of dual-band printed dipoles for WLAN mobile communication devices. Microwave and Optical Technology Letters, 2008, 50, 81-87.	1.4	5
206	Dual-polarization and dual-pattern planar antenna for diversity in body-centric communications. , 2008, , .		4
207	Reciprocity and repeatability of diversity measurements for on-body communication channels at 2.45 GHz. , 2008, , .		1
208	Investigation on mutual coupling level in DRA sub-arrays for Ku-band active integrated antennas. , 2008, , .		1
209	APPLICATION OF A COAXIAL-FED PATCH TO MICROWAVE NON-DESTRUCTIVE POROSITY MEASUREMENTS IN LOW-LOSS DIELECTRICS. Progress in Electromagnetics Research M, 2008, 5, 1-14.	0.9	15
210	Investigation on Harmonic Tuning for Active Ku-Band Rectangular Dielectric Resonator Antennas. International Journal of Antennas and Propagation, 2008, 2008, 1-6.	1.2	2
211	Harmonic control in cylindrical DRA for active antennas. , 2007, , .		2
212	Deeper insight into surface waves excitation at edge of arbitrary impedance wedge. IET Microwaves, Antennas and Propagation, 2007, 1, 446.	1.4	3
213	Experimental investigation of diversity techniques for on-body communication systems. , 2007, , .		0
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