

Paolo Nepa

List of Publications by Year in descending order

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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	Antennas and propagation for on-body communication systems. IEEE Antennas and Propagation Magazine, 2007, 49, 41-58.	1.4	384
2	A Focused Planar Microstrip Array for 2.4 GHz RFID Readers. IEEE Transactions on Antennas and Propagation, 2010, 58, 1536-1544.	5.1	184
3	Design Criteria for Near-Field-Focused Planar Arrays. IEEE Antennas and Propagation Magazine, 2012, 54, 40-50.	1.4	140
4	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
5	Near-Field-Focused Microwave Antennas: Near-field shaping and implementation. IEEE Antennas and Propagation Magazine, 2017, 59, 42-53.	1.4	133
6	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
7	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
8	A Survey on Indoor Vehicle Localization Through RFID Technology. IEEE Access, 2021, 9, 17921-17942.	4.2	97
9	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
10	A Wide-Band Dual-Polarized Stacked Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 141-143.	4.0	79
11	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
12	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
13	A hybrid uniform geometrical theory of diffraction-moment method for efficient analysis of electromagnetic radiation/scattering from large finite planar arrays. Radio Science, 2000, 35, 607-620.	1.6	63
14	Multiband PIFA for WLAN mobile terminals. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 349-350.	4.0	63
15	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
16	Numerical Investigation of an UWB Localization Technique for Unmanned Aerial Vehicles in Outdoor Scenarios. IEEE Sensors Journal, 2017, 17, 2896-2903.	4.7	55
17	A Wideband Slot-Coupled Stacked-Patch Array for Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 986-989.	4.0	52
18	Robustness of Wearable UHF-Band PIFAs to Human-Body Proximity. IEEE Transactions on Antennas and Propagation, 2016, 64, 2050-2055.	5.1	51

#	ARTICLE	IF	CITATIONS
19	SAR-Based Indoor Localization of UHF-RFID Tags via Mobile Robot. , 2018, , .		49
20	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
21	RSSI Measurements for RFID Tag Classification in Smart Storage Systems. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 894-904.	4.7	45
22	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
23	Diversity Measurements for On-Body Communication Systems. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 361-363.	4.0	44
24	Limb Movements Classification Using Wearable Wireless Transceivers. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 474-480.	3.2	44
25	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
26	Printed Wideband Antenna for LTE-Band Automotive Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1245-1248.	4.0	43
27	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
28	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
29	Meandered TWAs array for near-field UHF RFID applications. Electronics Letters, 2014, 50, 17-18.	1.0	40
30	SARFID on drone: Drone-based UHF-RFID tag localization. , 2017, , .		39
31	Near field focused microstrip arrays for gate access control systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	38
32	A Low-Profile Linearly Polarized 3D PIFA for Handheld GPS Terminals. IEEE Transactions on Antennas and Propagation, 2010, 58, 1060-1066.	5.1	38
33	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
34	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
35	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
36	A Novel Single Base Station Location Technique for Microcellular Wireless Networks: Description and Validation by a Deterministic Propagation Model. IEEE Transactions on Vehicular Technology, 2004, 53, 1502-1514.	6.3	34

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	A LTD solution for the scattering by a wedge with anisotropic impedance faces: skew incidence case. IEEE Transactions on Antennas and Propagation, 1998, 46, 579-588.	5.1	32
40	Design and performance analysis of a planar antenna for near-field UHF-RFID desktop readers. , 2012, , .		32
41	The diffraction of an inhomogeneous plane wave by a wedge. Radio Science, 1996, 31, 1387-1397.	1.6	31
42	Energy-Based Considerations for Ungrounded Wearable UHF Antenna Design. IEEE Sensors Journal, 2017, 17, 687-694.	4.7	29
43	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
44	The SARFID Technique for Discriminating Tagged Items Moving Through a UHF-RFID Gate. IEEE Sensors Journal, 2017, 17, 2863-2870.	4.7	25
45	Electromagnetic diffraction of an obliquely incident plane wave by a right-angled anisotropic impedance wedge with a perfectly conducting face. IEEE Transactions on Antennas and Propagation, 2000, 48, 547-555.	5.1	24
46	Reconfigurable Modular Antenna for NF UHF RFID Smart Point Readers. IEEE Transactions on Antennas and Propagation, 2017, 65, 498-506.	5.1	24
47	Technologies for Near-Field Focused Microwave Antennas. International Journal of Antennas and Propagation, 2017, 2017, 1-17.	1.2	24
48	A Dual Circularly Polarized Patch Antenna With High Isolation for MIMO WLAN Applications. IEEE Access, 2020, 8, 117833-117840.	4.2	24
49	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
50	A Single On-Body Antenna as a Sensor for Cardiopulmonary Monitoring. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 930-933.	4.0	23
51	High-frequency EM scattering by edges in artificially hard and soft surfaces illuminated at oblique incidence. IEEE Transactions on Antennas and Propagation, 2000, 48, 790-800.	5.1	22
52	A fast DFT planar array synthesis tool for generating contoured beams. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 287-290.	4.0	21
53	A Multi-Antenna SAR-based method for UHF RFID Tag Localization via UGV. , 2018, , .		21
54	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

#	ARTICLE	IF	CITATIONS
55	Dual-polarisation and dual-pattern planar antenna for diversity in body-centric communications. IET Microwaves, Antennas and Propagation, 2010, 4, 106.	1.4	20
56	Single-feed circularly polarised aperture-coupled square ring slot microstrip antenna. Electronics Letters, 2010, 46, 268.	1.0	20
57	Dual-polarised slot-coupled patch antenna excited by a square ring slot. IET Microwaves, Antennas and Propagation, 2011, 5, 605.	1.4	20
58	Wearable self-tuning antenna for emergency rescue operations. IET Microwaves, Antennas and Propagation, 2016, 10, 173-183.	1.4	20
59	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
60	Efficient hybrid discrete Fourier transform-moment method for fast analysis of large rectangular arrays. IET Microwaves Antennas and Propagation, 2002, 149, 1-6.	1.2	19
61	Accuracy limits of in-room localisation using RSSI. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	19
62	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
63	The diffraction of an inhomogeneous plane wave by an impedance wedge in a lossy medium. IEEE Transactions on Antennas and Propagation, 1998, 46, 1753-1755.	5.1	18
64	A Compact Dual-Band PIFA for DVB-T and WLAN Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 2084-2087.	5.1	18
65	A UHF RFID Tag Embeddable in Small Metal Cavities. IEEE Transactions on Antennas and Propagation, 2019, 67, 1374-1379.	5.1	18
66	A Novel Dipole Antenna Design With an Over 100% Operational Bandwidth. IEEE Transactions on Antennas and Propagation, 2010, 58, 2737-2741.	5.1	17
67	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
68	Forklift Tracking: Industry 4.0 Implementation in Large-Scale Warehouses through UWB Sensor Fusion. Applied Sciences (Switzerland), 2021, 11, 10607.	2.5	17
69	User positioning technique for microcellular wireless networks. Electronics Letters, 2003, 39, 745.	1.0	16
70	An Action Classification Method for Forklift Monitoring in Industry 4.0 Scenarios. Sensors, 2021, 21, 5183.	3.8	16
71	Electromagnetic scattering by a wedge with anisotropic impedance faces. IEEE Antennas and Propagation Magazine, 1998, 40, 29-35.	1.4	15
72	High-frequency scattering by objects buried in lossy media. IEEE Transactions on Antennas and Propagation, 2001, 49, 1649-1656.	5.1	15

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73	APPLICATION OF A COAXIAL-FED PATCH TO MICROWAVE NON-DESTRUCTIVE POROSITY MEASUREMENTS IN LOW-LOSS DIELECTRICS. <i>Progress in Electromagnetics Research M</i> , 2008, 5, 1-14.	0.9	15
74	An RFID-based technique for train localization with passive tags. , 2017, , .		15
75	Robot Localisation Using UHF-RFID Tags: A Kalman Smoother Approach â€. <i>Sensors</i> , 2021, 21, 717.	3.8	15
76	Electromagnetic scattering by a right angled anisotropic impedance wedge. <i>Electronics Letters</i> , 1996, 32, 1179.	1.0	14
77	Harmonic Tuning for Ku-Band Dielectric Resonator Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007, 6, 568-571.	4.0	14
78	Analysis of near-field coupling in UHF-RFID systems. , 2011, , .		14
79	An Integrated Dual-Band PIFA for DVB-T and WiMAX Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011, 10, 1027-1030.	4.0	14
80	A modular antenna for UHF RFID near-field desktop reader. , 2014, , .		14
81	Modular antenna for reactive and radiative near-field regions of UHF-RFID desktop readers. , 2014, , .		14
82	A Phase-Based Method for Mobile Node Localization through UHF-RFID Passive Tags. , 2019, , .		14
83	An IoT-Aware Smart System Exploiting the Electromagnetic Behavior of UHF-RFID Tags to Improve Worker Safety in Outdoor Environments. <i>Electronics (Switzerland)</i> , 2022, 11, 717.	3.1	14
84	A UHF-RFID Multi-Antenna Sensor Fusion Enables Item and Robot Localization. <i>IEEE Journal of Radio Frequency Identification</i> , 2022, 6, 456-466.	2.3	14
85	EM scattering from the edge of a semi-infinite planar strip grating using approximate boundary conditions. <i>IEEE Transactions on Antennas and Propagation</i> , 2005, 53, 82-90.	5.1	13
86	Multifunctional modular antenna for nearâ€field ultraâ€high frequency radio frequency identification readers. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 843-849.	1.4	13
87	UTD solution for plane wave diffraction at an edge in an artificially hard surface: Oblique incidence case. <i>Electronics Letters</i> , 1995, 31, 1649-1650.	1.0	13
88	Inhomogeneous electromagnetic plane wave diffraction by a perfectly electric conducting wedge at oblique incidence. <i>Radio Science</i> , 2007, 42, .	1.6	12
89	Design and characterization of wearable antennas. , 2013, , .		12
90	UHF-RFID smart gate: Tag action classifier by artificial neural networks. , 2017, , .		12

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91	Particle Swarm Optimization in Multi-Antenna SAR-based Localization for UHF-RFID Tags. , 2019, , .		12
92	Skew Incidence Diffraction by an Anisotropic Impedance Half Plane With a PEC Face and Arbitrarily Oriented Anisotropy Axes. IEEE Transactions on Antennas and Propagation, 2004, 52, 487-496.	5.1	11
93	Numerical Analysis of a Wideband Thick Archimedean Spiral Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 168-171.	4.0	11
94	Location and tracking of items moving on a conveyor belt and equipped with UHF-RFID tags. , 2012, , .		11
95	I-READ 4.0: Internet-of-READers for an efficient asset management in large warehouses with high stock rotation index. , 2019, , .		11
96	Diffraction by a wedge with variable-impedance faces. IEEE Transactions on Antennas and Propagation, 1996, 44, 1334-1340.	5.1	10
97	Differential planar antennas for 2.4/5.2 GHz WLAN applications. , 2006, , .		10
98	A square ring slot feeding technique for dual-polarized patch antennas. , 2009, , .		10
99	Detection and classification of human arm movements for physical rehabilitation. , 2010, , .		10
100	RSSI localisation with sensors placed on the user. , 2010, , .		10
101	A 3D LTE antenna for vehicular applications. , 2017, , .		10
102	Robot Localisation based on Phase Measures of backscattered UHF-RFID Signals. , 2019, , .		10
103	A dual-band antenna for wireless communication terminals. , 2004, , .		9
104	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
105	Realistic implementation of ellipsoidal reflector antennas to produce near-field focused patterns. Radio Science, 2011, 46, .	1.6	9
106	RFID-Based Smart Shelving Storage Systems. , 2012, , .		9
107	Antennas for UHF-RFID printer-encoders. , 2015, , .		9
108	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

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109	Design of a 3D-printed circularly polarized antenna for portable UHF RFID readers. , 2017, , .		9
110	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
111	A Phase-based Method for UHF RFID Gate Access Control. , 2019, , .		9
112	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
113	EM Scattering from Anisotropic Impedance Wedges at Oblique Incidence: Application to Artificially Hard and Soft Surfaces. Electromagnetics, 1998, 18, 117-133.	0.7	8
114	Location and Tracking of UHF-RFID Tags. , 2011, , .		8
115	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
116	A localization technique for smart bookshelves based on UHF-RFID systems. , 2013, , .		8
117	An array of meander Travelling Wave Antennas for near-field UHF-RFID readers. , 2013, , .		8
118	On the performance of low-profile antennas for wearable UHF-RFID tags. , 2015, , .		8
119	Electromagnetic Analysis and Performance Comparison of Fully 3D-printed Antennas. , 2019, , .		8
120	A UTD solution for the diffraction at an edge in a planar anisotropic impedance surface: Oblique incidence case. Microwave and Optical Technology Letters, 1996, 13, 55-59.	1.4	7
121	EM scattering by metallic half plane loaded by anisotropic face with arbitrarily oriented anisotropy axes. Electronics Letters, 1999, 35, 1828.	1.0	7
122	AN APPROXIMATE SOLUTION FOR SKEW INCIDENCE DIFFRACTION BY AN INTERIOR RIGHT-ANGLED ANISOTROPIC IMPEDANCE WEDGE. Progress in Electromagnetics Research, 2004, 45, 45-75.	4.4	7
123	Design of magnetic resonance imaging (MRI) RF coils by using the method of moments. , 2004, , .		7
124	Axial ratio analysis of single-feed circularly polarized resonant antennas. Journal of Electromagnetic Waves and Applications, 2014, 28, 716-728.	1.6	7
125	Antennas and photovoltaic panels: Toward a green Internet of Things. , 2015, , .		7
126	Numerical investigation on the tolerance of wearable UHF-RFID tags to human body coupling. , 2015, , .		7

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127	Near-field focused radiation by two edge-coupled microstrip antenna arrays. , 2016, , .		7
128	Localization of a mobile device equipped with an RFID reader. , 2017, , .		7
129	A UHF-RFID gate control system based on a Convolutional Neural Network. , 2019, , .		7
130	An RFID-based Ranging System for Worker Safety in Agricultural Working Areas. , 2021, , .		7
131	RFID-Based Localization Enables a Smart System for Worker Safety. , 2021, , .		7
132	An RFID Tracking System for Agricultural Safety. , 2021, , .		7
133	Robot Localization via Passive UHF-RFID Technology: State-of-the-Art and Challenges. , 2020, , .		7
134	Electromagnetic scattering by anisotropic impedance half and full planes illuminated at oblique incidence. IEEE Transactions on Antennas and Propagation, 2001, 49, 106-108.	5.1	6
135	A wearable multi antenna system on a life jacket for Cospas Sarsat rescue applications. , 2011, , .		6
136	A phase-based technique for discriminating tagged items moving through a UHF-RFID gate. , 2014, , .		6
137	Advanced SARFID: A localization technique for UHF RFID tags. , 2016, , .		6
138	Towards a Multi-antenna approach for UHF-RFID tag 3D localization with a Synthetic Aperture Radar Method. , 2019, , .		6
139	A Compact UHF RFID Ceramic Tag for High-Temperature Applications. , 2019, , .		6
140	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
141	Multifeed tri-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
142	RFID-Based Tracking for Worker Safety in Industrial Scenario. , 2021, , .		6
143	A Compact and Wideband Dashboard Antenna for Vehicular LTE/5G Wireless Communications. Electronics (Switzerland), 2022, 11, 1923.	3.1	6
144	EM scattering from anisotropic impedance half-plane. Electronics Letters, 2000, 36, 505.	1.0	5

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145	Estimating position and velocity of mobile terminals in a microcellular network using an adaptive linear regression setup. , 0, , .		5
146	Comparison of dual-band printed dipoles for WLAN mobile communication devices. Microwave and Optical Technology Letters, 2008, 50, 81-87.	1.4	5
147	An indoor propagation model for development and testing of UHF-RFID tag localization techniques. , 2013, , .		5
148	Design and experimental validation of a windscreen patch array for C2C communications. , 2013, , .		5
149	A scalable modular antenna configuration to extend the detection volume of a near-field UHF-RFID desktop reader. , 2015, , .		5
150	Wearable active Sierpinski fractal antenna for off-body communication. , 2015, , .		5
151	Analysis of wearable ungrounded antennas for UHF RFIDs with respect to the coupling with human-body. , 2016, , .		5
152	Multi-facet focused microwave antennas. , 2016, , .		5
153	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
154	Experimental investigation of diversity techniques for on-body communication systems. , 2007, , .		4
155	A General Multisegment Artificial Neural Network Architecture for the Efficient Evaluation of Electromagnetic Plane-Wave Wedge Diffraction. IEEE Transactions on Antennas and Propagation, 2007, 55, 3476-3483.	5.1	4
156	Dual-polarization and dual-pattern planar antenna for diversity in body-centric communications. , 2008, , .		4
157	Wideband dual-èpolarized stacked-èpatch antenna array for base stations. Microwave and Optical Technology Letters, 2010, 52, 1048-1052.	1.4	4
158	Design of a near-field focused reflectarray antenna for RFID reader applications. , 2010, , .		4
159	A wideband linear array of slot-coupled stacked-patches. , 2010, , .		4
160	Characteristic comparisons between array, reflectarray and elliptic reflector antennas in RFID near-field focused communications. , 2010, , .		4
161	Channel model for on body communication along and around the human torso at 2.4GHz and 5.8GHz. , 2010, , .		4
162	Performance comparison between an UHF RFID antenna for portable reader and its UHF RFID/WLAN dual-band version. , 2014, , .		4

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163	A two-element modular antenna for near-field UHF RFID applications. , 2015, , .		4
164	An overview on Modular Antennas for Near-field UHF-RFID systems. , 2016, , .		4
165	A compact 3D antenna for automotive LTE MIMO applications. , 2017, , .		4
166	Focusing characteristics of near-field radiations from multi-panels of phased array of antennas in circularly cylindrical arrangement. , 2017, , .		4
167	Measurement system with leaky coaxial cables operating as distributed antennas for UHF-RFID readers. , 2017, , .		4
168	Near-Field Focused Subarrays in a Multi-Panel Configuration. IEEE Access, 2019, 7, 143097-143108.	4.2	4
169	Design of a Compact Yagi-Uda Antenna for Near Field UHF RFID Smart gloves. , 2019, , .		4
170	An Overview on Synthesis Techniques for Near-Field Focused Antennas. , 0, , .		4
171	The MONITOR Project: RFID-based Robots enabling real-time inventory and localization in warehouses and retail areas. , 2021, , .		4
172	A UTD solution for surface and leaky wave diffraction at the edge of a metallic wedge with a material coating. , 0, , .		3
173	ILDCs for a planar junction between a perfectly conducting half-plane and a dielectric sheet. , 1999, 22, 93-95.		3
174	Plane wave scattering by edges in unidirectionally conducting screens. Radio Science, 2000, 35, 1265-1278.	1.6	3
175	Deeper insight into surface waves excitation at edge of arbitrary impedance wedge. IET Microwaves, Antennas and Propagation, 2007, 1, 446.	1.4	3
176	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
177	Design and performance analysis of a slot antenna integrated in a photovoltaic panel. , 2012, , .		3
178	Experimental validation of phase-based localization of UHF-RFID tags moving on a conveyor belt. , 2013, , .		3
179	A reconfigurable layout for a self-structuring life-jacket-integrated antenna of a SAR system. , 2015, , .		3
180	A 2D localization technique for UHF-RFID smart bookshelves. , 2016, , .		3

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181	Near-field focused antennas: from optics to microwaves. , 2016, , .		3
182	Synthesis of near field focused arrays including far field constrains. , 2017, , .		3
183	Numerical analysis of wireless power transfer in near-field UHF-RFID systems. Wireless Power Transfer, 2018, 5, 42-53.	1.1	3
184	SAR-based Localization of UHF-RFID Tags in Smart Warehouses. , 2020, , .		3
185	Compact Quasi-Yagi Reader Antenna for UHF RFID Smart-Glove. , 2020, , .		3
186	RFID-based robot localisation: an unconstrained optimisation problem by exploiting RSSI. , 2022, , .		3
187	High-frequency scattering from anisotropic impedance wedges at oblique incidence. , 0, , .		2
188	Extension to a hybrid UTD-MoM approach for the efficient analysis of radiation/scattering from tapered array distributions. , 0, , .		2
189	A hybrid discrete Fourier transform-moment method for the fast analysis of large rectangular phased arrays. , 0, , .		2
190	Validation of a novel radio location technique by a deterministic propagation model. , 0, , .		2
191	A microstrip array of aperture-coupled patches for UMTS base stations. , 2004, , .		2
192	Harmonic control in cylindrical DRA for active antennas. , 2007, , .		2
193	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
194	An annular-slot coupling feeding technique for dual-feed circularly polarized patch arrays. , 2010, , .		2
195	Near-field focused planar microstrip arrays. , 2011, , .		2
196	Dual-Band Integrated Antennas for DVB-T Receivers. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	2
197	A UWB antenna for X-band automotive applications. , 2016, , .		2
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