

# Gaetano Marrocco

## List of Publications by Year in descending order

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218  
papers

5,267  
citations

109137

35  
h-index

102304

66  
g-index

221  
all docs

221  
docs citations

221  
times ranked

3076  
citing authors

#	ARTICLE	IF	CITATIONS
1	The art of UHF RFID antenna design: impedance-matching and size-reduction techniques. IEEE Antennas and Propagation Magazine, 2008, 50, 66-79.	1.2	578
2	RFID Technology for IoT-Based Personal Healthcare in Smart Spaces. IEEE Internet of Things Journal, 2014, 1, 144-152.	5.5	472
3	Gain-optimized self-resonant meander line antennas for RFID applications. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 302-305.	2.4	215
4	Modeling, Design and Experimentation of Wearable RFID Sensor Tag. IEEE Transactions on Antennas and Propagation, 2010, 58, 2490-2498.	3.1	178
5	RFID Antennas for the UHF Remote Monitoring of Human Subjects. IEEE Transactions on Antennas and Propagation, 2007, 55, 1862-1870.	3.1	173
6	Passive RFID Strain-Sensor Based on Meander-Line Antennas. IEEE Transactions on Antennas and Propagation, 2011, 59, 4836-4840.	3.1	139
7	Passive UHF RFID antennas for sensing applications: Principles, methods, and classifications. IEEE Antennas and Propagation Magazine, 2013, 55, 14-34.	1.2	133
8	Pervasive electromagnetics: sensing paradigms by passive RFID technology. IEEE Wireless Communications, 2010, 17, 10-17.	6.6	120
9	Humidity Sensing by Polymer-Loaded UHF RFID Antennas. IEEE Sensors Journal, 2012, 12, 2851-2858.	2.4	96
10	Constrained-Design of Passive UHF RFID Sensor Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 2972-2980.	3.1	88
11	RFID Passive Gas Sensor Integrating Carbon Nanotubes. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2674-2684.	2.9	87
12	RFID Grids: Part I – Electromagnetic Theory. IEEE Transactions on Antennas and Propagation, 2011, 59, 1019-1026.	3.1	86
13	Design, Calibration and Experimentation of an Epidermal RFID Sensor for Remote Temperature Monitoring. IEEE Sensors Journal, 2016, 16, 7250-7257.	2.4	78
14	Multiport Sensor RFIDs for Wireless Passive Sensing of Objects – Basic Theory and Early Results. IEEE Transactions on Antennas and Propagation, 2008, 56, 2691-2702.	3.1	77
15	Feasibility of noninvasive measurement of deep brain temperature in newborn infants by multifrequency microwave radiometry. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 2141-2147.	2.9	75
16	Estimation of UHF RFID Reading Regions in Real Environments. IEEE Antennas and Propagation Magazine, 2009, 51, 44-57.	1.2	73
17	Design of Implanted RFID Tags for Passive Sensing of Human Body: The STENTag. IEEE Transactions on Antennas and Propagation, 2012, 60, 3146-3154.	3.1	69
18	Medium-distance affordable, flexible and wireless epidermal sensor for pH monitoring in sweat. Talanta, 2021, 222, 121502.	2.9	67

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19	Feasibility of Body-Centric Systems Using Passive Textile RFID Tags. IEEE Antennas and Propagation Magazine, 2012, 54, 49-62.	1.2	65
20	The RFID Technology for Neurosciences: Feasibility of Limbs' Monitoring in Sleep Diseases. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 37-43.	3.6	58
21	Performance of Epidermal RFID Dual-loop Tag and On-Skin Retuning. IEEE Transactions on Antennas and Propagation, 2015, 63, 3672-3680.	3.1	57
22	Movement Detection of Human Body Segments: Passive radio-frequency identification and machine-learning technologies. IEEE Antennas and Propagation Magazine, 2015, 57, 23-37.	1.2	57
23	Multi-Chip RFID Antenna Integrating Shape-Memory Alloys for Detection of Thermal Thresholds. IEEE Transactions on Antennas and Propagation, 2011, 59, 2488-2494.	3.1	55
24	Meandered-Slot Antennas for Sensor-RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 5-8.	2.4	53
25	LoRa System for Search and Rescue: Path-Loss Models and Procedures in Mountain Scenarios. IEEE Internet of Things Journal, 2021, 8, 1985-1999.	5.5	53
26	Inkjet Printing of Epidermal RFID Antennas by Self-Sintering Conductive Ink. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1561-1569.	2.9	51
27	Wireless Crack Monitoring by Stationary Phase Measurements from Coupled RFID Tags. IEEE Transactions on Antennas and Propagation, 2014, 62, 6412-6419.	3.1	49
28	Epidermal RFID passive sensor for body temperature measurements. , 2014, , .		49
29	Electromagnetic Modeling of Self-Tuning RFID Sensor Antennas in Linear and Nonlinear Regimes. IEEE Transactions on Antennas and Propagation, 2018, 66, 2779-2787.	3.1	49
30	NIGHT-Care: A Passive RFID System for Remote Monitoring and Control of Overnight Living Environment. Procedia Computer Science, 2014, 32, 190-197.	1.2	47
31	Modeling and Applications of a Chemical-Loaded UHF RFID Sensing Antenna With Tuning Capability. IEEE Transactions on Antennas and Propagation, 2014, 62, 94-101.	3.1	46
32	Optimal Performance of Epidermal Antennas for UHF Radio Frequency Identification and Sensing. IEEE Transactions on Antennas and Propagation, 2017, 65, 473-481.	3.1	46
33	Miniaturised wearable UHF-RFID tag with tuning capability. Electronics Letters, 2012, 48, 1325.	0.5	41
34	Numerical and Experimental Characterization of Through-the-Body UHF-RFID Links for Passive Tags Implanted Into Human Limbs. IEEE Transactions on Antennas and Propagation, 2014, 62, 5298-5306.	3.1	38
35	RFID Grids: Part II—Experimentations. IEEE Transactions on Antennas and Propagation, 2011, 59, 2896-2904.	3.1	37
36	Polymer-doped UHF RFID tag for wireless-sensing of humidity. , 2012, , .		35

#	ARTICLE	IF	CITATIONS
37	Design and Experimentation of a Batteryless On-Skin RFID Graphene-Oxide Sensor for the Monitoring and Discrimination of Breath Anomalies. IEEE Sensors Journal, 2018, 18, 8893-8901.	2.4	35
38	RFID-Based Dual-Chip Epidermal Sensing Platform for Human Skin Monitoring. IEEE Sensors Journal, 2021, 21, 5359-5367.	2.4	35
39	Sub-Millimeter Displacement Sensing by Passive UHF RFID Antennas. IEEE Transactions on Antennas and Propagation, 2014, 62, 905-912.	3.1	34
40	Phase-Oriented Sensing by Means of Loaded UHF RFID Tags. IEEE Transactions on Antennas and Propagation, 2015, 63, 4512-4520.	3.1	34
41	A General-Purpose Configurable RFID Epidermal Board With a Two-Way Discrete Impedance Tuning. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 684-687.	2.4	33
42	Electromagnetic Models for Passive Tag-to-Tag Communications. IEEE Transactions on Antennas and Propagation, 2012, 60, 5381-5389.	3.1	32
43	Development of an UHF RFID Chemical Sensor Array for Battery-Less Ambient Sensing. IEEE Sensors Journal, 2014, 14, 3616-3623.	2.4	30
44	Design of a broadband HF antenna for multimode naval communications. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 179-182.	2.4	29
45	Naval Structural Antenna Systems for Broadband HF Communications. IEEE Transactions on Antennas and Propagation, 2006, 54, 1065-1073.	3.1	28
46	Investigation on Antenna Coupling in Pulsed Arrays. IEEE Transactions on Antennas and Propagation, 2006, 54, 835-843.	3.1	27
47	Electromagnetic-based Correction of Bio-Integrated RFID Sensors for Reliable Skin Temperature Monitoring. IEEE Sensors Journal, 2020, , 1-1.	2.4	27
48	The Interrogation Footprint of RFID-UAV: Electromagnetic Modeling and Experimentations. IEEE Journal of Radio Frequency Identification, 2017, 1, 155-162.	1.5	26
49	Experimental Assessment of Wireless Monitoring of Axilla Temperature by Means of Epidermal Battery-Less RFID Sensors. , 2020, 4, 1-4.		26
50	RFID epidermal sensor including hydrogel membranes for wound monitoring and healing. , 2015, , .		25
51	Time Domain Synthesis of Pulsed Arrays. IEEE Transactions on Antennas and Propagation, 2008, 56, 1928-1938.	3.1	24
52	Close Integration of a UHF-RFID Transponder Into a Limb Prosthesis for Tracking and Sensing. IEEE Sensors Journal, 2016, 16, 1806-1813.	2.4	23
53	Development and characterization of xyloglucan-poly(vinyl alcohol) hydrogel membrane for Wireless Smart wound dressings. European Polymer Journal, 2018, 106, 214-222.	2.6	23
54	Radio-Frequency-Identification-Based Intelligent Packaging: Electromagnetic Classification of Tropical Fruit Ripening. IEEE Antennas and Propagation Magazine, 2020, 62, 64-75.	1.2	22

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55	Near-Field Constrained Design for Self-Tuning UHF-RFID Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 6906-6911.	3.1	21
56	BEST: a finite difference simulator for time electromagnetics. Simulation Modelling Practice and Theory, 1999, 7, 279-293.	0.4	20
57	Miniaturized and tunable wearable RFID tag for body-centric applications. , 2012, , .		20
58	Precision and Accuracy in UHF-RFID Power Measurements for Passive Sensing. IEEE Sensors Journal, 2016, 16, 3091-3098.	2.4	20
59	Graphene oxide-based radiofrequency identification wearable sensor for breath monitoring. IET Microwaves, Antennas and Propagation, 2018, 12, 467-471.	0.7	20
60	A Survey on Radio Frequency Identification as a Scalable Technology to Face Pandemics. IEEE Journal of Radio Frequency Identification, 2022, 6, 77-96.	1.5	19
61	RFIDrone: Preliminary experiments and electromagnetic models. , 2016, , .		18
62	Numerical and Experimental Characterization of Wrist-Fingers Communication Link for RFID-Based Finger Augmented Devices. IEEE Transactions on Antennas and Propagation, 2019, 67, 531-540.	3.1	18
63	Performance and Durability of Thread Antennas as Stretchable Epidermal UHF RFID Tags. IEEE Journal of Radio Frequency Identification, 2020, 4, 398-405.	1.5	18
64	Sensorized Facemask With Moisture-Sensitive RFID Antenna. , 2021, 5, 1-4.		18
65	Time-Dependent Microwave Radiometry for the Measurement of Temperature in Medical Applications. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1917-1924.	2.9	17
66	RFID Technology for Industry 4.0: Architectures and Challenges. , 2019, , .		17
67	Epidermal Backscattering Antennas in the 5G Framework: Performance and Perspectives. IEEE Journal of Radio Frequency Identification, 2020, 4, 176-185.	1.5	17
68	A Fractal-RFID Based Sensing Tattoo for the Early Detection of Cracks in Implanted Metal Prostheses. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 29-40.	2.3	17
69	Naval Structural Antenna Systems for Broadband HF Communications—Part II: Design Methodology for Real Naval Platforms. IEEE Transactions on Antennas and Propagation, 2006, 54, 3330-3337.	3.1	16
70	Design of a Broadband HF Antenna for Multimode Naval Communications—Part II: Extension to VHF/UHF Ranges. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 83-85.	2.4	16
71	Setup-Independent Phase-Based Sensing by UHF RFID. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2408-2411.	2.4	16
72	Antennifying Orthopedic Bone-Plate Fixtures for the Wireless Monitoring of Local Deep Infections. IEEE Sensors Journal, 2021, 21, 21012-21021.	2.4	16

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73	Body-matched RFID antennas for wireless biometry. , 2006, , .		15
74	Constrained Safety-Integrity Performance of Through-the-Arms UHF-RFID Transcutaneous Wireless Communication for the Control of Prostheses. IEEE Journal of Radio Frequency Identification, 2019, 3, 236-244.	1.5	15
75	Flexible pH Sensor for Wireless Monitoring of the Human Skin from the Medium Distances. , 2019, , .		15
76	Time-domain macromodel of planar microwave devices by FDTD and moment expansion. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1321-1328.	2.9	14
77	Constrained Pole-Zero Synthesis of Phase-Oriented RFID Sensor Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 496-503.	3.1	14
78	An epidermal graphene oxide-based RFID sensor for the wireless analysis of human breath. , 2017, , .		14
79	Dual-chip RFID On-skin Tag for Bilateral Breath Monitoring. , 2021, , .		14
80	Hermite-Rodriguez UWB Circular Arrays. IEEE Transactions on Antennas and Propagation, 2010, 58, 381-390.	3.1	13
81	Wireless monitoring of breath by means of a graphene oxide-based radiofrequency identification wearable sensor. , 2017, , .		13
82	A passive temperature radio-sensor for concrete maturation monitoring. , 2014, , .		12
83	Reliability of a re-usable wireless Epidermal temperature sensor in real conditions. , 2017, , .		12
84	Feasibility of an RFID-based Transcutaneous Wireless Communication for the Control of Upper-limb Myoelectric Prosthesis. , 2018, , .		12
85	A General-Purpose Small RFID Epidermal Datalogger for Continuous Human Skin Monitoring in Mobility. , 2018, , .		12
86	RF Detection of Micro-cracks in Orthopedic Implants by Conformal Space Filling Curves. , 2019, , .		12
87	Multi-Slope Path Loss and Position Estimation With Grid Search and Experimental Results. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 551-561.	1.6	12
88	Ultrawide-Band Modeling of Transient Radiation From Aperture Antennas. IEEE Transactions on Antennas and Propagation, 2004, 52, 2341-2347.	3.1	11
89	Approximate calculation of time-domain effective height for aperture antennas. IEEE Transactions on Antennas and Propagation, 2005, 53, 1054-1061.	3.1	11
90	Self-Tuning UHF Epidermal Antennas. , 2019, , .		11

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91	Performance evaluation of LoRa LPWAN technology for mountain Search and Rescue. , 2020, , .		11
92	SECOND SKIN Project: BioIntegrated Wireless Sensors for the Epidermal Monitoring and Restoring of Sensorial Injuries. , 2021, , .		11
93	Sensing Performance of Multi-Channel RFID-Based Finger Augmentation Devices for Tactile Internet. IEEE Journal of Radio Frequency Identification, 2022, 6, 209-217.	1.5	11
94	SIMULTANEOUS TIME-FREQUENCY MODELING OF ULTRA-WIDEBAND ANTENNAS BY TWO-DIMENSIONAL HERMITE PROCESSING. Progress in Electromagnetics Research, 2007, 68, 317-337.	1.6	10
95	RFID-grids for deformation sensing. , 2012, , .		10
96	Dielectric characterization of biocompatible hydrogels for application to Epidermal RFID devices. , 2015, , .		10
97	UHF RFID-Based EMG for Prosthetic Control: preliminary results. , 2019, , .		10
98	Twin-Grid Array as 3.6 GHz Epidermal Antenna for Potential Backscattering 5G Communication. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2092-2096.	2.4	10
99	RFID Research Against COVID-19 “ Sensorized Face Masks. , 2021, , .		10
100	Cyber-Tooth: Antennified Dental Implant for RFID Wireless Temperature Monitoring. , 2021, , .		10
101	Naval Structural Antenna Systems for Broadband HF Communications“Part III: Experimental Evaluation on Scaled Prototypes. IEEE Transactions on Antennas and Propagation, 2008, 56, 1882-1887.	3.1	9
102	Feasibility of wireless temperature sensing by passive UHF-RFID tags in ground satellite test beds. , 2014, , .		9
103	Thermal characterization of epidermal RFID sensor for skin temperature measurements. , 2016, , .		9
104	Finger-Augmented RFID system to restore peripheral thermal feeling. , 2017, , .		9
105	Application of Radio-Finger Augmented Devices to Cognitive Neural remapping. , 2019, , .		8
106	Monitoring of temperature stress during firefighters training by means of RFID epidermal sensors. , 2019, , .		8
107	Sensor-Oriented Passive RFID. , 2010, , 273-282.		8
108	Design and Manufacture of Flexible Epidermal NFC Device for Electrochemical Sensing of Sweat. , 2022, , .		8

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109	FDTD improvement by dielectric subgrid resolution. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 2166-2169.	2.9	7
110	BLADE: A Broadband Loaded Antenna DEsigner. IEEE Antennas and Propagation Magazine, 2006, 48, 120-129.	1.2	7
111	Human body sensing: A pervasive approach by implanted RFID tags. , 2010, , .		7
112	Passive ammonia sensor: RFID tag integrating carbon nanotubes. , 2011, , .		7
113	Combined passive radiofrequency identification and machine learning technique to recognize human motion. , 2014, , .		7
114	Ubiquitous Flying Sensor Antennas: Radiofrequency Identification Meets Micro Drones. IEEE Journal of Radio Frequency Identification, 2017, 1, 291-299.	1.5	7
115	Upper-bound Performances of RFID Epidermal Sensor Networks at 5G Frequencies. , 2019, , .		7
116	A Plug&Play flexible skin sensor for the wireless monitoring of pandemics. , 2021, , .		7
117	RFID Sensors for the Monitoring of Body Temperature and Respiratory Function: a Pandemic Prospect. , 2021, , .		7
118	FDTD computation of microwave device impulse response. Electronics Letters, 1999, 35, 223.	0.5	6
119	Combined Time and Frequency-Domain Modelling of Electromagnetic Radiation From Apertures On Resonant Cavities By Fdtd-Mom Method. Journal of Electromagnetic Waves and Applications, 2002, 16, 523-539.	1.0	6
120	MODAL NEAR-FIELD TO FAR-FIELD TRANSFORMATION FOR FDTD MODELLING OF APERTURE ANTENNAS. Journal of Electromagnetic Waves and Applications, 2003, 17, 79-98.	1.0	6
121	New method for modelling and design of multiconductor airborne antennas. IET Microwaves Antennas and Propagation, 2004, 151, 181.	1.2	6
122	A model to estimate the RFID read-region in real environments. , 2008, , .		6
123	Performance analysis of pure paraffin wax as RFID tag substrate. Microwave and Optical Technology Letters, 2012, 54, 442-446.	0.9	6
124	Uncertainty and applicability of rfid power measurements for passive sensing. , 2014, , .		6
125	Configurable radiofrequency identification sensing breadboard for industrial Internet of Things. Electronics Letters, 2017, 53, 129-130.	0.5	6
126	A Tightly Integrated Multilayer Battery Antenna for RFID Epidermal Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 609-617.	3.1	6



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127	Inkjet-Printed RFID-Skins for the Detection of Surface Defects. , 2018, , .		6
128	RFID-Based Localization for Greenhouses Monitoring Using MAVs. , 2018, , .		6
129	Near-Field Circular Array for the Transcutaneous Telemetry of UHF RFID-Based Implantable Medical Devices. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 219-227.	2.3	6
130	UHF epidermal sensors: Technology and applications. , 2021, , 133-161.		6
131	Batteryless Wireless Temperature/Humidity Sensor for Item-level Smart Pharma Packaging. , 2021, , .		6
132	Experimentation and calibration of Near-Field UHF Epidermal Communication for emerging Tactile Internet. , 2020, , .		6
133	S-band Testbed for 5G Epidermal RFIDs. , 2020, , .		6
134	Sensorized Facemask with Temperature RFID Sensor for Cough Analysis. , 2022, , .		6
135	Two-channel Epidermal RFID Sensor for the Analysis of Nasal Respiratory Flow. , 2022, , .		6
136	CNT-based RFID passive gas sensor. , 2011, , .		5
137	A near-field RFID sensor network for the realtime monitoring of tire vulcanization. , 2017, , .		5
138	Space-Filling Electromagnetic Skins for the Wireless Monitoring of Surface Defects. IEEE Sensors Journal, 2019, 19, 11535-11543.	2.4	5
139	Propagation Modeling Inside the International Space Station for the Automatic Monitoring of Astronauts by Means of <i>Epidermal</i> UHF-RFID Sensors. IEEE Journal of Radio Frequency Identification, 2021, 5, 174-181.	1.5	5
140	Field interpolation across discontinuities in FDTD. , 1998, 8, 1-3.		4
141	Experimental characterization of the RFID STENTag for passive vascular monitoring. , 2012, , .		4
142	Electromagnetic optimization of passive RFID sensor nodes. , 2012, , .		4
143	RFID-grid systems: The electromagnetic way to ubiquitous computing. , 2012, , .		4
144	Feasibility, limitations and potentiality of UHF-RFID passive implants. , 2012, , .		4

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145	Multi-channel processing of RFID backscattering for monitoring of overnight living. , 2014, , .		4
146	Industrial RFID sensing networks for critical infrastructure security. , 2016, , .		4
147	Manufacturing technologies for UHF RFID epidermal antennas. , 2016, , .		4
148	Radio-Mechanical Characterization of Epidermal Antennas During Human Gestures. IEEE Sensors Journal, 2020, 20, 7588-7594.	2.4	4
149	A Combined Floquet- Wave â€” FDTD Algorithm for the Modeling of Transient Radiation from Infinite Periodic Structures. Springer Proceedings in Physics, 2004, , 249-257.	0.1	4
150	Broad-band horn-antenna launchers modeling by fdtd and generalized scattering matrix methods. IEEE Transactions on Antennas and Propagation, 2002, 50, 1688-1696.	3.1	3
151	Time domain synthesis of UWB arrays. , 2007, , .		3
152	Pervasive body sensing: Implanted RFID tags for vascular monitoring. , 2010, , .		3
153	Phase-oriented chemical sensing by passive UHF-RFID. , 2014, , .		3
154	Investigation of suitable parameters for setup-independent RFID sensing. , 2015, , .		3
155	Guest Editorial: Special Cluster on Antennas for Wireless Body Area Networks. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1471-1473.	2.4	3
156	RFID sensing networks for critical infrastructure security: A real testbed in an energy smart grid. , 2017, , .		3
157	A Passive Wireless Sensor Network for Temperature Mapping Inside a Shielded Coaxial Enclosure. IEEE Journal of Radio Frequency Identification, 2018, 2, 144-151.	1.5	3
158	Radio-Mechanical Model of Epidermal Antenna Stretching during Human Gestures. , 2019, , .		3
159	Multichip RFID Epidermal Sensor for Body Temperature Monitoring. , 2020, , .		3
160	Multi-Channel Radiofrequency Finger Augmentation Device for Tactile Internet. , 2021, , .		3
161	RFID antennas for the UHF remote monitoring of human bodies. , 2007, , .		3
162	Clinical Trial of Wireless Epidermal Temperature Sensors: preliminary results. IFMBE Proceedings, 2018, , 1041-1044.	0.2	3

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163	How to transform an Aortic Valve Prostheses into an UHF antenna for the RFID-based Wireless Monitoring of the Cardiac Health. , 2022, , .		3
164	Measurements and Modeling of Radiohelmet-UAV LoRa Links in a Mountain Canyon. , 2022, , .		3
165	Potentiometric Sensing by means of Self-tuning RFID ICs. , 2022, , .		3
166	Flexible Multi-Layer Sensor for the Wireless Implementation of Dual-Heat-Flux Monitoring of Body Temperature. , 2022, , .		3
167	Optimization of multichip RFID tag antenna with genetic algorithm and method of moments. , 2013, , .		2
168	Electromagnetic feasibility of a passive wireless sensor network for temperature mapping inside a shielded enclosure. , 2017, , .		2
169	Epidermal Radio-Sensors for Wireless Detection of Physiological Parameters and Sense Augmentation. , 2018, , .		2
170	Performance Comparison of Patch and Loop Antennas for the Wireless Power Transfer and Transcutaneous Telemetry in the 860â€“960 MHz Frequency Band. , 2019, , .		2
171	Monolithic Antenna Array for Epidermal 5G Backscattering Communications. , 2020, , .		2
172	Performances of a 3.6 GHz Epidermal Loop for Future 5G-RFID Communications. , 2020, , .		2
173	Orthopedic Fixture-integrated RFID Temperature Sensor for the Monitoring of Deep Inflammations. , 2021, , .		2
174	Folded Comb-line Array for Healthcare 5G-RFID-based IoT applications. , 2021, , .		2
175	In-Situ and Proximal Sensing Techniques for Monitoring Natural Hazards to Mitigate Risk in Tourism Activities: A Case Study in the Geoparc Bletterbach, Italy. , 2021, , .		2
176	Miniaturized antennas for sensor-RFID applications. , 2007, , .		2
177	RFID-Based Multi-level Sensing Network for Industrial Internet of Things. Studies in Computational Intelligence, 2018, , 1-24.	0.7	2
178	A Finger-worn Epidermal Antenna for Pressure Sensing. , 2022, , .		2
179	Numerical and Experimental Characterization of LoRa-Based Helmet-to-Unmanned Aerial Vehicle Links on Flat Lands: A numerical-statistical approach to link modeling. IEEE Antennas and Propagation Magazine, 2023, 65, 79-92.	1.2	2
180	Radio Frequency Identification and Localization by Wearable LoRa for Search and Rescue in Mountains. , 2022, , .		2

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181	A Numerical Hybrid Procedure for the Detailed EMC Modelling of a RF Transmitter. , 1999, , .		1
182	A combined fullwave/network model for fast analysis and design of airborne HF loop antennas. , 2003, , .		1
183	Investigation on antenna coupling in pulsed arrays. , 0, , .		1
184	Body-centric RFID systems. , 2011, , .		1
185	RFID-Grids for deformation sensing. , 2012, , .		1
186	Automatic Optimization of Multichip RFID Tags. , 2012, , .		1
187	Passive UHF tag-to-tag communications properties. , 2012, , .		1
188	On-skin tunable RFID loop tag for epidermal applications. , 2015, , .		1
189	A structural antenna for UHF-RFID implant into limb prosthesis. , 2015, , .		1
190	RFID interface for compact pliable EMG wireless epidermal sensor. , 2020, , .		1
191	RFID based Predictive Maintenance System for Chemical Industry. , 2021, , .		1
192	Miniaturized Grid Array Antenna for Body-centric RFID Communications in 5G S-band. , 2021, , .		1
193	$\Gamma$ -Match Epidermal Loop for future 3.6 GHz 5G Body-centric Systems. , 2021, , .		1
194	Permittivity passive RFID sensor for non-cooperating objects. , 2007, , .		1
195	Sub-dermal battery-less wireless sensor for the automatic monitoring of cattle fever. , 2020, , .		1
196	Automatic Monitoring of Fruit Ripening Rooms by UHF RFID Sensors and Machine Learning. , 2021, , .		1
197	Design and Experimental characterization of on-skin Loop Antenna for next 5G Backscattering-based Communications. , 2021, , .		1
198	Ultra Low Power Wireless Epidermal Sensor for Battery-less pH monitoring in the sub-6 GHz 5G band. , 2022, , .		1

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199	Indirect Propagation of Body-UAV LoRa Links over Wood and Suburb. , 2022, , .		1
200	Properties of Radiometric Coupling Cavities for Microwave Thermometry. , 2002, , .		0
201	Advanced time-domain processing of aperture antenna field. , 2004, , .		0
202	Astigmatic beam tracing hybridised with FDTD for on board antenna analysis. , 2005, , .		0
203	Efficient modeling of ultra-wideband antennas by two-dimensional Hermite processing. , 0, , .		0
204	The concept of multi-port structural antenna system for HF naval communications. , 2006, , .		0
205	Theory, design and testing of the broadband naval structural antenna. , 2007, , .		0
206	Experimental characterization of bodycentric passive RFID systems. , 2011, , .		0
207	Multi-chip RFID grids. , 2011, , .		0
208	UHF RFID humidity sensor tag based on hygroscopic polymeric load. , 2012, , .		0
209	Exploiting the characteristics of paraffin as a substrate for UHF RFID and antenna applications. , 2012, , .		0
210	Tunable antenna system for plug&play satellite avionics: Prototyping and test. , 2014, , .		0
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