Massimo Donelli

List of Publications by Year
in descending order

170	3,684	109264	149623
papers	citations	35 h-index	56 g-index

173	173	173	1866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolutionary optimization as applied to inverse scattering problems. Inverse Problems, 2009, 25, 123003.	1.0	361
2	Automatic Analysis of GPR Images: A Pattern-Recognition Approach. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2206-2217.	2.7	194
3	Computational approach based on a particle swarm optimizer for microwave imaging of two-dimensional dielectric scatterers. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1761-1776.	2.9	151
4	Linear Array Thinning Exploiting Almost Difference Sets. IEEE Transactions on Antennas and Propagation, 2009, 57, 3800-3812.	3.1	148
5	A new methodology based on an iterative multiscaling for microwave imaging. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1162-1173.	2.9	117
6	Exploitation of Parasitic Smart Antennas in Wireless Sensor Networks. Journal of Electromagnetic Waves and Applications, 2010, 24, 993-1003.	1.0	110
7	Object tracking through RSSI measurements in wireless sensor networks. Electronics Letters, 2008, 44, 653.	0.5	107
8	A Hybrid Approach Based on PSO and Hadamard Difference Sets for the Synthesis of Square Thinned Arrays. IEEE Transactions on Antennas and Propagation, 2009, 57, 2491-2495.	3.1	105
9	Improved Microwave Imaging Procedure for Nondestructive Evaluations of Two-Dimensional Structures. IEEE Transactions on Antennas and Propagation, 2004, 52, 1386-1397.	3.1	90
10	An integrated multiscaling strategy based on a particle swarm algorithm for inverse scattering problems. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 298-312.	2.7	90
11	Particle-swarm optimization of broadband nanoplasmonic arrays. Optics Letters, 2010, 35, 133.	1.7	81
12	An Innovative Multiresolution Approach for DOA Estimation Based on a Support Vector Classification. IEEE Transactions on Antennas and Propagation, 2009, 57, 2279-2292.	3.1	79
13	Detection, Location, and Imaging of Multiple Scatterers by Means of the Iterative Multiscaling Method. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1217-1228.	2.9	76
14	Chipless RFID Sensors for the Internet of Things: Challenges and Opportunities. Sensors, 2020, 20, 2135.	2.1	75
15	A classification approach based on SVM for electromagnetic subsurface sensing. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2084-2093.	2.7	73
16	LINEAR ANTENNA SYNTHESIS WITH A HYBRID GENETIC ALGORITHM. Progress in Electromagnetics Research, 2004, 49, 1-22.	1.6	71
17	An Innovative Microwave-Imaging Technique for Nondestructive Evaluation: Applications to Civil Structures Monitoring and Biological Bodies Inspection. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1878-1884.	2.4	71
18	An Innovative Computational Approach Based on a Particle Swarm Strategy for Adaptive Phased-Arrays Control. IEEE Transactions on Antennas and Propagation, 2006, 54, 888-898.	3.1	68

#	Article	IF	Citations
19	Three-Dimensional Microwave Imaging Problems Solved Through an Efficient Multiscaling Particle Swarm Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1467-1481.	2.7	64
20	A Planar Electronically Reconfigurable Wi-Fi Band Antenna Based on a Parasitic Microstrip Structure. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 623-626.	2.4	61
21	Parallel GA-based approach for microwave imaging applications. IEEE Transactions on Antennas and Propagation, 2005, 53, 3118-3127.	3.1	58
22	LOCATION AND IMAGING OF TWO-DIMENSIONAL SCATTERERS BY USING A PARTICLE SWARM ALGORITHM. Journal of Electromagnetic Waves and Applications, 2004, 18, 481-494.	1.0	46
23	Design of a Prefractal Monopolar Antenna for 3.4-3.6 GHz Wi-Max Band Portable Devices. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 116-119.	2.4	45
24	Synthesis of a Prefractal Dual-Band Monopolar Antenna for GPS Applications. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 361-364.	2.4	42
25	Multicrack Detection in Two-Dimensional Structures by Means of GA-Based Strategies. IEEE Transactions on Antennas and Propagation, 2007, 55, 205-215.	3.1	42
26	GPR B scan image analysis with deep learning methods. Measurement: Journal of the International Measurement Confederation, 2020, 165, 107770.	2.5	42
27	Optimized Design of a Multifunction/Multiband Antenna for Automotive Rescue Systems. IEEE Transactions on Antennas and Propagation, 2006, 54, 392-400.	3.1	41
28	Inversion of Phaseless Total Field Data Using a Two-Step Strategy Based on the Iterative Multiscaling Approach. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 3527-3539.	2.7	41
29	A circuital approach to evaluating the electromagnetic field on rectangular apertures backed by rectangular cavities. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2259-2266.	2.9	40
30	A Versatile Enhanced Genetic Algorithm for Planar Array Design. Journal of Electromagnetic Waves and Applications, 2004, 18, 1533-1548.	1.0	40
31	Planar Antenna Array Control With Genetic Algorithms and Adaptive Array Theory. IEEE Transactions on Antennas and Propagation, 2004, 52, 2919-2924.	3.1	40
32	Effective exploitation of the a priori information through a microwave imaging procedure based on the SMW for NDE/NDT applications. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2584-2592.	2.7	38
33	A THREE-DIMENSIONAL TIME DOMAIN MICROWAVE IMAGING METHOD FOR BREAST CANCER DETECTION BASED ON AN EVOLUTIONARY ALGORITHM. Progress in Electromagnetics Research M, 2011, 18, 179-195.	0.5	38
34	A RESCUE RADAR SYSTEM FOR THE DETECTION OF VICTIMS TRAPPED UNDER RUBBLE BASED ON THE INDEPENDENT COMPONENT ANALYSIS ALGORITHM. Progress in Electromagnetics Research M, 2011, 19, 173-181.	0.5	38
35	Iterative multi-resolution retrieval of non-measurable equivalent currents for the imaging of dielectric objects. Inverse Problems, 2009, 25, 055004.	1.0	37
36	Evaluation of the effects of an external incident electromagnetic wave on metallic enclosures with rectangular apertures. Microwave and Optical Technology Letters, 2001, 28, 289-293.	0.9	31

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37	Gaussian Process Approach to Buried Object Size Estimation in GPR Images. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 141-145.	1.4	25
38	A two-step inverse scattering procedure for the qualitative imaging of homogeneous cracks in known host media - preliminary results. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 592-595.	2.4	21
39	Automatic Detection and Classification of Buried Objects in GPR Images Using Genetic Algorithms and Support Vector Machines. , 2008, , .		20
40	AN INEXPENSIVE RECONFIGURABLE PLANAR ARRAY FOR WI-FI APPLICATIONS. Progress in Electromagnetics Research C, 2012, 28, 71-81.	0.6	19
41	Guidelines for the Design and Optimization of Wireless Sensors Based on the Modulated Scattering Technique. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1824-1833.	2.4	19
42	Adaptive Antenna Array Control in the Presence of Interfering Signals With Stochastic Arrivals: Assessment of a GA-Based Procedure. IEEE Transactions on Wireless Communications, 2004, 3, 1031-1036.	6.1	18
43	Dealing With Multifrequency Scattering Data Through the IMSA. IEEE Transactions on Antennas and Propagation, 2007, 55, 2412-2417.	3.1	18
44	Genetically-designed arbitrary length almost difference sets. Electronics Letters, 2009, 45, 1182.	0.5	18
45	Reconfigurable sumâ€“difference pattern by means of parasitic elements for forwardâ€looking monopulse radar. IET Radar, Sonar and Navigation, 2013, 7, 747-754.	0.9	18
46	Optimized synthesis of a miniaturized SARSAT band pre-fractal antenna. Microwave and Optical Technology Letters, 2006, 48, 2205-2207.	0.9	16
47	Design of broadband metal nanosphere antenna arrays with a hybrid evolutionary algorithm. Optics Letters, 2013, 38, 401.	1.7	15
48	Design of longâ€range, powerless RFID sensor at 10ÂGHz. Electronics Letters, 2013, 49, 1277-1278.	0.5	15
49	A passive antenna system for data acquisition in scattering applications. IEEE Antennas and Wireless Propagation Letters, 2002, 1, 203-206.	2.4	14
50	An iterative multiresolution approach for microwave imaging applications. Microwave and Optical Technology Letters, 2002, 32, 352-356.	0.9	14
51	Multi-resolution iterative inversion of real inhomogeneous targets. Inverse Problems, 2005, 21, S51-S63.	1.0	14
52	Design of miniaturised ISM-band fractal antenna. Electronics Letters, 2005, 41, 785.	0.5	14
53	Genetic algorithm-based MMSE receiver for MC-CDMA systems transmitting over time-varying mobile channels. Electronics Letters, 2007, 43, 172.	0.5	14
54	Graphene-Based Antenna for the Design of Modulated Scattering Technique (MST) Wireless Sensors. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1561-1564.	2.4	14

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55	An RFID-Based Sensor for Masonry Crack Monitoring. Sensors, 2018, 18, 4485.	2.1	13
56	S-Band Spline-Shaped Aperture-Stacked Patch Antenna for Air Traffic Control Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 4292-4297.	3.1	13
57	A Preliminary Microwave Frequency Characterization of a Nafion-Based Chipless Sensor for Humidity Monitoring. , 2020, , .		13
58	MONITORING THE COVID-19 DIFFUSION BY COMBINING WEARABLE BIOSENSORS AND SMARTPHONES.. Progress in Electromagnetics Research M, 2021, 100, 13-21.	0.5	13
59	Improving the Sensitivity of Chipless RFID Sensors: The Case of a Low-Humidity Sensor. Electronics (Switzerland), 2021, 10, 2861.	1.8	13
60	Double Overt-Leaf Shaped CPW-Fed Four Port UWB MIMO Antenna. Electronics (Switzerland), 2021, 10, 3140.	1.8	13
61	Analysis of the stability and robustness of the iterative multiscaling approach for microwave imaging applications. Radio Science, 2004, 39, n/a-n/a.	0.8	12
62	Particle-swarm-optimizer-based optimization of matching loads for lossy transmission lines. Microwave and Optical Technology Letters, 2006, 48, 1485-1487.	0.9	12
63	An Adaptive Multiscaling Imaging Technique Based on a Fuzzy-Logic Strategy for Dealing With the Uncertainty of Noisy Scattering Data. IEEE Transactions on Antennas and Propagation, 2007, 55, 3265-3278.	3.1	12
64	Experiments With a Modulated Scattering System for Through-Wall Identification. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 20-23.	2.4	12
65	Remote Inspection of the Structural Integrity of Engineering Structures and Materials With Passive MST Probes. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6756-6766.	2.7	12
66	Exploitation of RF-MEMS Switches for the Design of Broadband Modulated Scattering Technique Wireless Sensors. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 44-48.	2.4	12
67	A MULTI-SOURCE STRATEGY BASED ON A LEARNING-BY-EXAMPLES TECHNIQUE FOR BURIED OBJECT DETECTION. Progress in Electromagnetics Research, 2004, 48, 185-200.	1.6	11
68	Genetic-Algorithm-Assisted Maximum-Likelihood Detection of OFDM Symbols in the Presence of Nonlinear Distortions. IEEE Transactions on Communications, 2007, 55, 854-859.	4.9	11
69	A Relocable and Resilient Distributed Measurement System for Electromagnetic Exposure Assessment. IEEE Sensors Journal, 2016, 16, 4595-4604.	2.4	11
70	A COMPACT SWITCHED-BEAM PLANAR ANTENNA ARRAY FOR WIRELESS SENSORS OPERATING AT WI-FI BAND. Progress in Electromagnetics Research C, 2018, 83, 137-145.	0.6	11
71	A WSN-based system for real-time electromagnetic monitoring. , 2011, , .		10
72	A Novel Detection Technique for a Chipless RFID System Using Quantile Regression. Electronics (Switzerland), 2018, 7, 409.	1.8	10

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73	On the effects of the electromagnetic source modeling in the iterative multiscaling method. Radio Science, 2007, 42, n/a-n/a.	0.8	9
74	A real-time approach to array control based on a learned genetic algorithm. Microwave and Optical Technology Letters, 2003, 36, 235-238.	0.9	8
75	UNSUPERVISED SYNTHESIS OF MICROWAVE COMPONENTS BY MEANS OF AN EVOLUTIONARY-BASED TOOL EXPLOITING DISTRIBUTED COMPUTING RESOURCES. Progress in Electromagnetics Research, 2006, 56, 93-108.	1.6	8
76	Particle Density Retrieval in Random Media Using a Percolation Model and a Particle Swarm Optimizer. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 213-216.	2.4	8
77	A mobile wireless sensor network architecture for collaborative tasks achievement by means of autonomous robot swarm. , 2010, , .		8
78	Circularly polarized monopole hook antenna for <scp>ISM</scp>â€band systems. Microwave and Optical Technology Letters, 2018, 60, 1452-1454.	0.9	8
79	RF-MEMS Monolithic K and Ka Band Multi-State Phase Shifters as Building Blocks for 5G and Internet of Things (IoT) Applications. Sensors, 2020, 20, 2612.	2.1	8
80	A parallel implementation of an evolutionary-based automatic tool for microwave circuit synthesis: Preliminary results. Microwave and Optical Technology Letters, 2002, 35, 169-172.	0.9	7
81	Multiscaling reconstruction of metallic targets from TE and TM experimental data. Microwave and Optical Technology Letters, 2006, 48, 322-324.	0.9	7
82	A Near-Optimum Multiuser Receiver for STBC MC-CDMA Systems Based on Minimum Conditional BER Criterion and Genetic Algorithm-Assisted Channel Estimation. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	7
83	Opportunistic exploitation of wireless infrastructures for homeland security. , 2011, , .		7
84	Modelling complex electromagnetic sources for microwave imaging systems with wave field synthesis technique. Electronics Letters, 2012, 48, 1478.	0.5	7
85	Design and Optimization of A Broadband Xâ€Band Bidirectional Amplifier. Microwave and Optical Technology Letters, 2013, 55, 1730-1735.	0.9	7
86	A METHODOLOGY FOR THE DESIGN OF MICROWAVE SYSTEMS AND CIRCUITS USING AN EVOLUTIONARY ALGORITHM. Progress in Electromagnetics Research M, 2013, 31, 129-141.	0.5	7
87	Broadband MST sensor probes based on a SP3T MEMs switch. , 2019, , .		7
88	A NOVEL LIQUID ADULTERATION SENSOR BASED ON A SELF COMPLEMENTARY ANTENNA. Progress in Electromagnetics Research C, 2020, 103, 97-110.	0.6	7
89	A semianalytical approach for the evaluation of radiated immunity on a printed-circuit board in metallic enclosures. Microwave and Optical Technology Letters, 2000, 27, 204-207.	0.9	6
90	A pattern recognition system for extracting buried object characteristics in GPR images. , 2009, , .		6

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91	Life signals detection system based on a continuousâ€wave Xâ€band radar. Electronics Letters, 2016, 52, 1903-1904.	0.5	6
92	Compact CPW filter with modified signal line. , 2017, , .		6
93	Development of Environmental Long Range RFID Sensors Based on the Modulated Scattering Technique. Electronics (Switzerland), 2018, 7, 106.	1.8	6
94	Compact microstrip reconfigurable filter based on spiral resonators. Microwave and Optical Technology Letters, 2019, 61, 417-424.	0.9	6
95	Development of a Microwave Sensor for Solid and Liquid Substances Based on Closed Loop Resonator. Sensors, 2021, 21, 8506.	2.1	6
96	Development of Enhanced Range, High Q, Passive, Chipless RFID Tags for Continuous Monitoring and Sensing Applications. Electronics (Switzerland), 2022, 11, 127.	1.8	6
97	An adaptive weighting strategy for microwave imaging problems. IEEE Transactions on Antennas and Propagation, 2005, 53, 1858-1862.	3.1	5
98	A GSM signals-based positioning technique for mobile applications. Microwave and Optical Technology Letters, 2008, 50, 2128-2130.	0.9	5
99	Numerical validation and experimental results of a multi-resolution SVM-based classification procedure for breast imaging. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	5
100	Design of tunable graphene-based antenna arrays for microwave applications. , 2014, , .		5
101	Design of a WPT system for the powering of wireless sensor nodes: theoretical guidelines and experimental validation. Wireless Power Transfer, 2016, 3, 15-23.	0.9	5
102	Statistical characterization of the 2.4 GHz radio channel for WSN in indoor office environments. , 2016, , .		5
103	A chipless RFID system based on substrate impedance waveguide resonators (SIW). , 2017, , .		5
104	Chipless RFID Sensing System for Precise Ethanol Determination in Alcoholic Solutions. Electronics (Switzerland), 2022, 11, 735.	1.8	5
105	Assessment of the GA-based adaptive array control strategy: The case of stochastic life-time co-channel interferences. Microwave and Optical Technology Letters, 2003, 37, 198-201.	0.9	4
106	An integration between SVM classifiers and multi-resolution techniques for early breast cancer detection. , 2008, , .		4
107	MICROWAVE IMAGING FROM AMPLITUDE-ONLY DATA - ADVANTAGES AND OPEN PROBLEMS OF A TWO-STEP MULTI-RESOLUTION STRATEGY. Progress in Electromagnetics Research, 2008, 83, 397-412.	1.6	4
108	Low sidelobe ADS-based arrays for FMCW radar. , 2011, , .		4

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109	A broadband modulated scattering technique (MST) probe based on a self complementary antenna. , 2017, , .		4
110	Recent advancement in the design of mixers for softwareâ€defined radios. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22963.	0.8	4
111	Detection of buried objects by an electromagnetic method based on a differential evolution approach. , 0, , .		3
112	Microwave imaging for non-destructive evaluation of civil structures. Insight: Non-Destructive Testing and Condition Monitoring, 2005, 47, 11-14.	0.3	3
113	EFFECTIVE EXPLOITATION OF MULTI-VIEW DATA THROUGH THE ITERATIVE MULTI-SCALING METHOD - AN EXPERIMENTAL ASSESSMENT. Progress in Electromagnetics Research, 2005, 54, 137-154.	1.6	3
114	On the integration of smart antennas in Wireless Sensor Networks. , 2008, , .		3
115	MORPHOLOGICAL PROCESSING OF ELECTROMAGNETIC SCATTERING DATA FOR ENHANCING THE RECONSTRUCTION ACCURACY OF THE ITERATIVE MULTI-SCALING APPROACH. Progress in Electromagnetics Research, 2008, 82, 299-318.	1.6	3
116	Adaptive Channel Estimation for STBC-OFDM Systems Based on Nature-Inspired Optimization Strategies. Lecture Notes in Computer Science, 2010, , 188-198.	1.0	3
117	Implementation of a low-cost reconfigurable antenna array for SDR-based communication systems. , 2012, , .		3
118	A 24GHz environmental sensor based on the modulated scattering technique (MST). , 2014, , .		3
119	Design of graphene-based terahertz nanoantenna arrays. Microwave and Optical Technology Letters, 2015, 57, 653-657.	0.9	3
120	A Simple and Efficient Adaptive ISM-Band Antenna Based on a Reconfigurable Optically Driven Parasitic Structure. Electronics (Switzerland), 2018, 7, 21.	1.8	3
121	Compact Antennas for Modern Communication Systems. International Journal of Antennas and Propagation, 2020, 2020, 1-2.	0.7	3
122	Design and Analysis of Antenna Feeding Networks Based on the Rotman Lens Using Interval Analysis (IA). International Journal of Antennas and Propagation, 2020, 2020, 1-18.	0.7	3
123	A numerical approach for the evaluation of the nonlinear effects on the attenuation constant in high-temperature superconducting transmission lines. Radio Science, 2001, 36, 1363-1375.	0.8	2
124	An innovative microwave imaging technique for non destructive evaluation: applications to civil structures monitoring and biological bodies inspection. , 0, , .		2
125	Future Trends on Nanoantennas Synthesis. , 2006, , .		2
126	Evaluation study of the effectiveness of the integrated genetic-algorithm-based strategy for the tomographic subsurface detection of defects. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1311.	0.8	2

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127	Three dimensional electromagnetic sub-surface sensing by means of a multi-step SVM-based classification technique. , 2007, , .		2
128	MMSE Multi-User Detection with GA-Assisted Channel Estimation for STBC MC-CDMA Mobile Communication Systems. , 2008, , .		2
129	A Differential Evolution-based iterative multi-scaling algorithm for microwave imaging of dielectric structures. , 2010, , .		2
130	A real time through the wall imaging method based on a simple transmission line model. , 2014, , .		2
131	A Survey of Resource Allocation Techniques for Cellular Networkâ€™s Operation in the Unlicensed Band. Electronics (Switzerland), 2020, 9, 1464.	1.8	2
132	High Resolution L-band Stepped Frequency Continous Wave Radar for Smuggling Contrast. , 2020, , .		2
133	Wearable nonâ€invasive blood glucose monitor system based on galvanic skin resistance measurement. Electronics Letters, 2021, 57, 901-902.	0.5	2
134	A Semi-Unsupervised Segmentation Methodology Based on Texture Recognition for Radiomics: A Preliminary Study on Brain Tumours. Electronics (Switzerland), 2022, 11, 1573.	1.8	2
135	Optimizing the number of printed layers in a PET inkjet-printed chipless RFID sensor. , 2022, , .		2
136	Solution strategies based on innovative evolutionary optimization techniques for microwave imaging applications. , 2004, , .		1
137	NUMERICAL EVALUATION OF NONLINEAR EFFECTS ON THE ATTENUATION CONSTANT IN HTS TRANSMISSION LINES BY USING AN ENHANCED TWO-FLUID MODEL. Journal of Electromagnetic Waves and Applications, 2004, 18, 411-419.	1.0	1
138	An experimental study on the multiscaling iterative reconstruction of inhomogeneous targets. Microwave and Optical Technology Letters, 2005, 47, 588-594.	0.9	1
139	Electromagnetic inversion of amplitude-only data through a two-step strategy. , 2006, , .		1
140	An iterative procedure for combining the advantages of a multi-frequency and multi-resolution inversion algorithm. , 2006, , .		1
141	Complex Synthesis of Antenna Structures through Evolutionary-Optimization Techniques. , 2007, , .		1
142	Imaging three-dimensional bodies by processing multi-frequency data through a multiscale swarm intelligence based method. , 2007, , .		1
143	Experimental validation of a smart antenna system model. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
144	Evolutionary techniques for inverse scattering - Current trends and envisaged developments -. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1

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145	Measurement of equivalent circuit parameters of avalanche beacons antennas for rapid prototyping. , 2017, , .		1
146	A microwave interferometer for human breath monitoring in proton therapy applications. Microwave and Optical Technology Letters, 2020, 62, 589-591.	0.9	1
147	Development of a <scp>MST</scp> sensor probe, based on a <scp>SP3T</scp> switch, for biomedical applications. Microwave and Optical Technology Letters, 2021, 63, 82-90.	0.9	1
148	Design and Analysis of a Reconfigurable Gilbert Mixer for Software-Defined Radios. Sensors, 2021, 21, 2711.	2.1	1
149	Enhanced chipless RFID with Van-Atta and Quantile regression. , 2021, , .		1
150	Microwave Imaging. , 2014, , 175-190.		1
151	Application of Natured-Inspired Algorithms for the Solution of Complex Electromagnetic Problems. Advances in Computational Intelligence and Robotics Book Series, 2017, , 1-33.	0.4	1
152	DESIGN OF AN ULTRA WIDE BAND ANTENNA BASED ON A SIW RESONATOR. Progress in Electromagnetics Research C, 2020, 103, 187-197.	0.6	1
153	Impact of distributed computing on the performances of microwave CAD tools. , 2003, , .		0
154	Swarm intelligence for solving two- and three-dimensional inverse scattering problems. , 2005, , .		0
155	Microwave imaging from limited-angle scattered data using the iterative multiscaling approach. Microwave and Optical Technology Letters, 2005, 44, 358-363.	0.9	0
156	An improved microwave imaging system exploiting a multi-source-illumination strategy. , 2005, , .		0
157	Experimental assessment of deterministic and stochastic approaches for inverse scattering problems from amplitude-only data. , 2008, , .		0
158	A qualitative two-step inversion approach for the reconstruction of subsurface defects. , 2009, , .		0
159	A frequency-hopping BCS strategy for imaging buried objects. , 2015, , .		0
160	On the role of information in inversion and synthesis - challenges, tools, and trends. , 2015, , .		0
161	Design and optimization of efficient wireless power transmission systems: Theoretical guidelines and experimental validation. , 2015, , .		0
162	Reconfigurable Antenna Systems for the Next Generation Devices Based on 4G/5G Standard. International Journal of Interactive Communication Systems and Technologies, 2017, 7, 53-71.	0.7	0

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163	Computational methods for wireless structural health monitoring of cultural heritages. Journal of Physics: Conference Series, 2018, 1131, 012005.	0.3	0
164	Ultra-Wideband Antenna Array based on Orbital Angular Momentum. , 2019, , .		0
165	Resource Allocation for Dual Connectivity with Millimeter Wave based Fronthaul in Cloud RAN. , 2019, , .		0
166	Reconfigurable Antenna Systems for the Next Generation Devices Based on 4G/5G Standard. , 2021, , 44-65.		0
167	A Reconfigurable Stepped Frequency Continuous Wave Radar Prototype for Smuggling Contrast, Preliminary Assessment. Advances in Science, Technology and Engineering Systems, 2021, 6, 13-20.	0.4	0
168	A Robustness Analysis of the Iterative Multi-Scaling Approach Integrated with Morphological Operations. Mathematics in Industry, 2008, , 582-586.	0.1	0
169	Applications of Advanced Reconfigurable Antenna for the Next Generation 4G Communication Devices. Advances in Wireless Technologies and Telecommunication Book Series, 2016, , 49-65.	0.3	0
170	Design and Optimization of Microwave Circuits and Devices with the Particle Swarm Optimizer. , 0, , 1-17.		0