

# Massimo Donelli

## List of Publications by Year in descending order

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170  
papers

3,684  
citations

109264

35  
h-index

149623

56  
g-index

173  
all docs

173  
docs citations

173  
times ranked

1866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advancement in the design of mixers for software-defined radios. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22963.	0.8	4
2	Chipless RFID Sensing System for Precise Ethanol Determination in Alcoholic Solutions. Electronics (Switzerland), 2022, 11, 735.	1.8	5
3	Development of Enhanced Range, High Q, Passive, Chipless RFID Tags for Continuous Monitoring and Sensing Applications. Electronics (Switzerland), 2022, 11, 127.	1.8	6
4	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
5	Optimizing the number of printed layers in a PET inkjet-printed chipless RFID sensor. , 2022, , .		2
6	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
7	Reconfigurable Antenna Systems for the Next Generation Devices Based on 4G/5G Standard. , 2021, , 44-65.		0
8	MONITORING THE COVID-19 DIFFUSION BY COMBINING WEARABLE BIOSENSORS AND SMARTPHONES.. Progress in Electromagnetics Research M, 2021, 100, 13-21.	0.5	13
9	Design and Analysis of a Reconfigurable Gilbert Mixer for Software-Defined Radios. Sensors, 2021, 21, 2711.	2.1	1
10	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
11	Wearable non-invasive blood glucose monitor system based on galvanic skin resistance measurement. Electronics Letters, 2021, 57, 901-902.	0.5	2
12	Enhanced chipless RFID with Van-Atta and Quantile regression. , 2021, , .		1
13	Improving the Sensitivity of Chipless RFID Sensors: The Case of a Low-Humidity Sensor. Electronics (Switzerland), 2021, 10, 2861.	1.8	13
14	Development of a Microwave Sensor for Solid and Liquid Substances Based on Closed Loop Resonator. Sensors, 2021, 21, 8506.	2.1	6
15	Double Overt-Leaf Shaped CPW-Fed Four Port UWB MIMO Antenna. Electronics (Switzerland), 2021, 10, 3140.	1.8	13
16	A microwave interferometer for human breath monitoring in proton therapy applications. Microwave and Optical Technology Letters, 2020, 62, 589-591.	0.9	1
17	A Survey of Resource Allocation Techniques for Cellular Network's Operation in the Unlicensed Band. Electronics (Switzerland), 2020, 9, 1464.	1.8	2
18	A NOVEL LIQUID ADULTERATION SENSOR BASED ON A SELF COMPLEMENTARY ANTENNA. Progress in Electromagnetics Research C, 2020, 103, 97-110.	0.6	7

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19	High Resolution L-band Stepped Frequency Continuous Wave Radar for Smuggling Contrast. , 2020, , .		2
20	A Preliminary Microwave Frequency Characterization of a Nafion-Based Chipless Sensor for Humidity Monitoring. , 2020, , .		13
21	Compact Antennas for Modern Communication Systems. International Journal of Antennas and Propagation, 2020, 2020, 1-2.	0.7	3
22	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
23	GPR B scan image analysis with deep learning methods. Measurement: Journal of the International Measurement Confederation, 2020, 165, 107770.	2.5	42
24	Chipless RFID Sensors for the Internet of Things: Challenges and Opportunities. Sensors, 2020, 20, 2135.	2.1	75
25	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
26	DESIGN OF AN ULTRA WIDE BAND ANTENNA BASED ON A SIW RESONATOR. Progress in Electromagnetics Research C, 2020, 103, 187-197.	0.6	1
27	Ultra-Wideband Antenna Array based on Orbital Angular Momentum. , 2019, , .		0
28	Resource Allocation for Dual Connectivity with Millimeter Wave based Fronthaul in Cloud RAN. , 2019, , .		0
29	Broadband MST sensor probes based on a SP3T MEMs switch. , 2019, , .		7
30	Compact microstrip reconfigurable filter based on spiral resonators. Microwave and Optical Technology Letters, 2019, 61, 417-424.	0.9	6
31	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
32	Circularly polarized monopole hook antenna for <sc>ISM</sc>â€band systems. Microwave and Optical Technology Letters, 2018, 60, 1452-1454.	0.9	8
33	Computational methods for wireless structural health monitoring of cultural heritages. Journal of Physics: Conference Series, 2018, 1131, 012005.	0.3	0
34	A Novel Detection Technique for a Chipless RFID System Using Quantile Regression. Electronics (Switzerland), 2018, 7, 409.	1.8	10
35	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
36	An RFID-Based Sensor for Masonry Crack Monitoring. Sensors, 2018, 18, 4485.	2.1	13

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37	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
38	A Simple and Efficient Adaptive ISM-Band Antenna Based on a Reconfigurable Optically Driven Parasitic Structure. Electronics (Switzerland), 2018, 7, 21.	1.8	3
39	Development of Environmental Long Range RFID Sensors Based on the Modulated Scattering Technique. Electronics (Switzerland), 2018, 7, 106.	1.8	6
40	A chipless RFID system based on substrate impedance waveguide resonators (SIW)., 2017, , .		5
41	Measurement of equivalent circuit parameters of avalanche beacons antennas for rapid prototyping. , 2017, , .		1
42	Compact CPW filter with modified signal line. , 2017, , .		6
43	A broadband modulated scattering technique (MST) probe based on a self complementary antenna. , 2017, , .		4
44	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
45	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
46	Application of Nature-Inspired Algorithms for the Solution of Complex Electromagnetic Problems. Advances in Computational Intelligence and Robotics Book Series, 2017, , 1-33.	0.4	1
47	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
48	Statistical characterization of the 2.4 GHz radio channel for WSN in indoor office environments. , 2016, , .		5
49	Life signals detection system based on a continuous-wave X-band radar. Electronics Letters, 2016, 52, 1903-1904.	0.5	6
50	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
51	A Relocable and Resilient Distributed Measurement System for Electromagnetic Exposure Assessment. IEEE Sensors Journal, 2016, 16, 4595-4604.	2.4	11
52	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
53	A frequency-hopping BCS strategy for imaging buried objects. , 2015, , .		0
54	On the role of information in inversion and synthesis - challenges, tools, and trends. , 2015, , .		0

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55	Design of graphene-based terahertz nanoantenna arrays. Microwave and Optical Technology Letters, 2015, 57, 653-657.	0.9	3
56	Design and optimization of efficient wireless power transmission systems: Theoretical guidelines and experimental validation. , 2015, , .		0
57	A 24GHz environmental sensor based on the modulated scattering technique (MST). , 2014, , .		3
58	A real time through the wall imaging method based on a simple transmission line model. , 2014, , .		2
59	Design of tunable graphene-based antenna arrays for microwave applications. , 2014, , .		5
60	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
61	Microwave Imaging. , 2014, , 175-190.		1
62	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
63	Design of broadband metal nanosphere antenna arrays with a hybrid evolutionary algorithm. Optics Letters, 2013, 38, 401.	1.7	15
64	Design and Optimization of A Broadband Xâ€‘Band Bidirectional Amplifier. Microwave and Optical Technology Letters, 2013, 55, 1730-1735.	0.9	7
65	Design of longâ€‘range, powerless RFID sensor at 10Â‘GHz. Electronics Letters, 2013, 49, 1277-1278.	0.5	15
66	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
67	Modelling complex electromagnetic sources for microwave imaging systems with wave field synthesis technique. Electronics Letters, 2012, 48, 1478.	0.5	7
68	Implementation of a low-cost reconfigurable antenna array for SDR-based communication systems. , 2012, , .		3
69	AN INEXPENSIVE RECONFIGURABLE PLANAR ARRAY FOR WI-FI APPLICATIONS. Progress in Electromagnetics Research C, 2012, 28, 71-81.	0.6	19
70	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
71	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
72	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

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73	A WSN-based system for real-time electromagnetic monitoring. , 2011, , .		10
74	Low sidelobe ADS-based arrays for FMCW radar. , 2011, , .		4
75	Opportunistic exploitation of wireless infrastructures for homeland security. , 2011, , .		7
76	Gaussian Process Approach to Buried Object Size Estimation in GPR Images. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 141-145.	1.4	25
77	Adaptive Channel Estimation for STBC-OFDM Systems Based on Nature-Inspired Optimization Strategies. Lecture Notes in Computer Science, 2010, , 188-198.	1.0	3
78	A mobile wireless sensor network architecture for collaborative tasks achievement by means of autonomous robot swarm. , 2010, , .		8
79	Exploitation of Parasitic Smart Antennas in Wireless Sensor Networks. Journal of Electromagnetic Waves and Applications, 2010, 24, 993-1003.	1.0	110
80	A Differential Evolution-based iterative multi-scaling algorithm for microwave imaging of dielectric structures. , 2010, , .		2
81	Particle-swarm optimization of broadband nanoplasmonic arrays. Optics Letters, 2010, 35, 133.	1.7	81
82	Experiments With a Modulated Scattering System for Through-Wall Identification. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 20-23.	2.4	12
83	A pattern recognition system for extracting buried object characteristics in GPR images. , 2009, , .		6
84	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
85	Experimental validation of a smart antenna system model. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
86	Evolutionary techniques for inverse scattering - Current trends and envisaged developments -. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
87	A qualitative two-step inversion approach for the reconstruction of subsurface defects. , 2009, , .		0
88	Iterative multi-resolution retrieval of non-measurable equivalent currents for the imaging of dielectric objects. Inverse Problems, 2009, 25, 055004.	1.0	37
89	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
90	Evolutionary optimization as applied to inverse scattering problems. Inverse Problems, 2009, 25, 123003.	1.0	361

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91	Linear Array Thinning Exploiting Almost Difference Sets. IEEE Transactions on Antennas and Propagation, 2009, 57, 3800-3812.	3.1	148
92	Genetically-designed arbitrary length almost difference sets. Electronics Letters, 2009, 45, 1182.	0.5	18
93	Automatic Analysis of GPR Images: A Pattern-Recognition Approach. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2206-2217.	2.7	194
94	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
95	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
96	A GSM signals-based positioning technique for mobile applications. Microwave and Optical Technology Letters, 2008, 50, 2128-2130.	0.9	5
97	Automatic Detection and Classification of Buried Objects in GPR Images Using Genetic Algorithms and Support Vector Machines. , 2008, , .		20
98	MMSE Multi-User Detection with GA-Assisted Channel Estimation for STBC MC-CDMA Mobile Communication Systems. , 2008, , .		2
99	Object tracking through RSSI measurements in wireless sensor networks. Electronics Letters, 2008, 44, 653.	0.5	107
100	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
101	Experimental assessment of deterministic and stochastic approaches for inverse scattering problems from amplitude-only data. , 2008, , .		0
102	An integration between SVM classifiers and multi-resolution techniques for early breast cancer detection. , 2008, , .		4
103	On the integration of smart antennas in Wireless Sensor Networks. , 2008, , .		3
104	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
105	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
106	A Robustness Analysis of the Iterative Multi-Scaling Approach Integrated with Morphological Operations. Mathematics in Industry, 2008, , 582-586.	0.1	0
107	Complex Synthesis of Antenna Structures through Evolutionary-Optimization Techniques. , 2007, , .		1
108	Genetic algorithm-based MMSE receiver for MC-CDMA systems transmitting over time-varying mobile channels. Electronics Letters, 2007, 43, 172.	0.5	14

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109	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
110	Imaging three-dimensional bodies by processing multi-frequency data through a multiscale swarm intelligence based method. , 2007, , .		1
111	Three dimensional electromagnetic sub-surface sensing by means of a multi-step SVM-based classification technique. , 2007, , .		2
112	Dealing With Multifrequency Scattering Data Through the IMSA. IEEE Transactions on Antennas and Propagation, 2007, 55, 2412-2417.	3.1	18
113	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
114	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
115	On the effects of the electromagnetic source modeling in the iterative multiscaling method. Radio Science, 2007, 42, n/a-n/a.	0.8	9
116	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
117	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
118	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
119	Future Trends on Nanoantennas Synthesis. , 2006, , .		2
120	Optimized Design of a Multifunction/Multiband Antenna for Automotive Rescue Systems. IEEE Transactions on Antennas and Propagation, 2006, 54, 392-400.	3.1	41
121	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
122	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
123	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
124	Synthesis of a Prefractal Dual-Band Monopolar Antenna for GPS Applications. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 361-364.	2.4	42
125	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
126	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



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127	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
128	Multiscaling reconstruction of metallic targets from TE and TM experimental data. Microwave and Optical Technology Letters, 2006, 48, 322-324.	0.9	7
129	Particle-swarm-optimizer-based optimization of matching loads for lossy transmission lines. Microwave and Optical Technology Letters, 2006, 48, 1485-1487.	0.9	12
130	Optimized synthesis of a miniaturized SARSAT band pre-fractal antenna. Microwave and Optical Technology Letters, 2006, 48, 2205-2207.	0.9	16
131	Electromagnetic inversion of amplitude-only data through a two-step strategy. , 2006, , .		1
132	An iterative procedure for combining the advantages of a multi-frequency and multi-resolution inversion algorithm. , 2006, , .		1
133	Microwave imaging for non-destructive evaluation of civil structures. Insight: Non-Destructive Testing and Condition Monitoring, 2005, 47, 11-14.	0.3	3
134	Swarm intelligence for solving two- and three-dimensional inverse scattering problems. , 2005, , .		0
135	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
136	A classification approach based on SVM for electromagnetic subsurface sensing. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2084-2093.	2.7	73
137	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
138	Microwave imaging from limited-angle scattered data using the iterative multiscaling approach. Microwave and Optical Technology Letters, 2005, 44, 358-363.	0.9	0
139	An experimental study on the multiscaling iterative reconstruction of inhomogeneous targets. Microwave and Optical Technology Letters, 2005, 47, 588-594.	0.9	1
140	An improved microwave imaging system exploiting a multi-source-illumination strategy. , 2005, , .		0
141	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
142	Multi-resolution iterative inversion of real inhomogeneous targets. Inverse Problems, 2005, 21, S51-S63.	1.0	14
143	Design of miniaturised ISM-band fractal antenna. Electronics Letters, 2005, 41, 785.	0.5	14
144	An adaptive weighting strategy for microwave imaging problems. IEEE Transactions on Antennas and Propagation, 2005, 53, 1858-1862.	3.1	5

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145	Parallel GA-based approach for microwave imaging applications. IEEE Transactions on Antennas and Propagation, 2005, 53, 3118-3127.	3.1	58
146	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
147	LINEAR ANTENNA SYNTHESIS WITH A HYBRID GENETIC ALGORITHM. Progress in Electromagnetics Research, 2004, 49, 1-22.	1.6	71
148	Solution strategies based on innovative evolutionary optimization techniques for microwave imaging applications. , 2004, , .		1
149	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
150	A Versatile Enhanced Genetic Algorithm for Planar Array Design. Journal of Electromagnetic Waves and Applications, 2004, 18, 1533-1548.	1.0	40
151	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
152	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
153	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
154	Planar Antenna Array Control With Genetic Algorithms and Adaptive Array Theory. IEEE Transactions on Antennas and Propagation, 2004, 52, 2919-2924.	3.1	40
155	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
156	Improved Microwave Imaging Procedure for Nondestructive Evaluations of Two-Dimensional Structures. IEEE Transactions on Antennas and Propagation, 2004, 52, 1386-1397.	3.1	90
157	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
158	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
159	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
160	Impact of distributed computing on the performances of microwave CAD tools. , 2003, , .		0
161	A passive antenna system for data acquisition in scattering applications. IEEE Antennas and Wireless Propagation Letters, 2002, 1, 203-206.	2.4	14
162	A circuitual 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

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163	An iterative multiresolution approach for microwave imaging applications. Microwave and Optical Technology Letters, 2002, 32, 352-356.	0.9	14
164	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
165	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
166	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
167	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
168	An innovative microwave imaging technique for non destructive evaluation: applications to civil structures monitoring and biological bodies inspection. , 0, , .		2
169	Detection of buried objects by an electromagnetic method based on a differential evolution approach. , 0, , .		3
170	Design and Optimization of Microwave Circuits and Devices with the Particle Swarm Optimizer. , 0, , 1-17.		0