

Agostino Monorchio

List of Publications by Year in descending order

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4200
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#	ARTICLE	IF	CITATIONS
1	Simple, Low-Cost, and Reconfigurable Metamaterials and Metasurfaces Based on Reusable Building Blocks: A proposed approach. IEEE Antennas and Propagation Magazine, 2023, 65, 40-48.	1.2	0
2	Miniaturized Wide-Angle Resorber With a Wide Interabsorption High Transparent Bandpass Based on Multiple 2.5-D Resonators. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 416-420.	2.4	14
3	Magnetic metasurfaces properties in the near field regions. Scientific Reports, 2022, 12, 3258.	1.6	16
4	Microwave and Contactless Sensor for Millimeter Inclusions Detection in Biomedical Applications. , 2022, , .		5
5	Bessel Beam Radiating System for Focused Transcranial Magnetic Stimulation. , 2022, , .		1
6	A Design Methodology for Response-controlled Passive Magnetic Metasurfaces. , 2022, , .		4
7	Anatomical and Dielectric Tissue Mimicking Phantoms for Microwave Breast Imaging. , 2022, , .		0
8	A feasibility study of a radio-frequency theranostic device for tumor localization and treatment. , 2022, , .		2
9	A Highly Selective Resorber With Ultraminiaturized Unit Based on Interdigitated 2.5-D Parallel Resonator. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1585-1592.	1.4	6
10	Shaping and Focusing Magnetic Field in the Human Body: State-of-the Art and Promising Technologies. Sensors, 2022, 22, 5132.	2.1	14
11	A Compact Double-Ridged Horn Antenna for Ultra-Wide Band Microwave Imaging. IEEE Open Journal of Antennas and Propagation, 2021, 2, 738-745.	2.5	3
12	Surface Wave Attenuation in Multilayer Structures With Lossy Media and Impedance Surfaces. IEEE Access, 2021, 9, 130627-130637.	2.6	4
13	An Analytical Approach for the Arbitrary Control of Magnetic Metasurfaces Frequency Response. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1003-1007.	2.4	22
14	A Numerical Exposure Assessment of Portable Self-Protection, High-Range, and Broadband Electromagnetic Devices. IEEE Open Journal of Antennas and Propagation, 2021, 2, 555-563.	2.5	4
15	A switchable and tunable multifunctional absorber/reflector with polarization-insensitive features. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22573.	0.8	8
16	A <sc>quasi-elliptical</sc> bandpass frequency selective surface with <sc>low-profile</sc> and miniaturization characteristics. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22621.	0.8	4
17	On the Arbitrary Control of Passive Magnetic Metasurfaces Response. , 2021, , .		0
18	Improved dual-polarized wideband multifunctional switchable absorber/reflector based on active frequency selective surfaces. Optics Express, 2021, 29, 31036.	1.7	12

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19	Analytical Approach for MRI RF Array Coils Decoupling by Using Counter-Coupled Passive Resonators. IEEE Open Journal of Antennas and Propagation, 2021, 2, 249-258.	2.5	0
20	A High-Impedance Surface for Improving Performance of Microwave Imaging Antennas for Biomedical Applications. , 2021, , .		1
21	A Circuital Approach to Control the Response of Conformal Metasurfaces. , 2021, , .		1
22	Optimization and Robustness Analysis of a Spiral Resonators Array for Misalignment Recovering purposes in WPT Systems. , 2021, , .		1
23	Analysis of Radome Structures Placed in the Near-Field of Antennas. , 2021, , .		0
24	Optically transparent water-based wideband switchable radar absorber/reflector with low infrared radiation characteristics. Optics Express, 2021, 29, 42863.	1.7	17
25	A Low Frequency Device for Non-invasive Detection of Pulmonary Malignancies. , 2021, , .		0
26	SAR Evaluation from High-intensity and Broadband Sources for Different Human Body Models. , 2021, , .		1
27	A Metasurface Design for Enhancing In-Body Signal Transmission in Biomedical Microwave Imaging. , 2021, , .		0
28	A Conformal and Wearable Metasurface for Non-invasive Skin Inflammation Monitoring. , 2021, , .		2
29	A Homogenized Magnetic Metasurface for Misalignment Robustness Enhancement in Wireless Power Transfer. , 2021, , .		0
30	Electromagnetically characterized gelatinous-based phantoms for breast microwave imaging. , 2021, , .		1
31	A Feasibility Study of a Low-frequency Wearable Device for Contactless Monitoring of Blood Glucose Level. , 2021, , .		1
32	Design of a Homogenized Magnetic Metasurface for the RF Magnetic Field Enhancement in 1.5 T MRI. , 2021, , .		0
33	A Radiating System for Low-Frequency Highly Focused Hyperthermia With Magnetic Nanoparticles. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 109-116.	2.3	10
34	A Wideband Multifunctional Absorber/Reflector With Polarization-Insensitive Performance. IEEE Transactions on Antennas and Propagation, 2020, 68, 5033-5038.	3.1	49
35	An Accurate Equivalent Circuit Model of Metasurface-Based Wireless Power Transfer Systems. IEEE Open Journal of Antennas and Propagation, 2020, 1, 549-559.	2.5	19
36	Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils. , 2020, , .		0

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37	On the Use of Engineered Artificial Materials for Realistic Stealth Applications. , 2020, , .		0
38	Design of Distributed Spiral Resonators for the Decoupling of MRI Double-Tuned RF Coils. IEEE Transactions on Biomedical Engineering, 2020, 67, 2806-2816.	2.5	14
39	A Compact Magnetically Dispersive Surface for Low-Frequency Wireless Power Transfer Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 1887-1895.	3.1	41
40	On the Design of Planar Arrays of Nonresonant Coils for Tunable Wireless Power Transfer Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3814-3822.	2.9	20
41	Numerical and Workbench Design of 2.35 T Double-Tuned ($^1\text{H}/^2\text{Na}$) Nested RF Birdcage Coils Suitable for Animal Size MRI. IEEE Transactions on Medical Imaging, 2020, 39, 3175-3186.	5.4	13
42	A Spiral Resonators Passive Array for Inductive Wireless Power Transfer Applications With Low Exposure to Near Electric Field. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1312-1322.	1.4	24
43	A Methodology for Efficiency Recovering in Wireless Power Transfer Applications with Misalignment. , 2020, , .		2
44	Fast Computation of RCS of Large Metallic Platforms Covered With RAM: Benchmark with a Metallic Cube at 94 GHz. , 2020, , .		0
45	Study of Surface Wave and Transmission Properties in Radome Surface. , 2020, , .		1
46	A Broadband Frequency-Selective Resorber with Double-Sided Absorption Bands. , 2020, , .		4
47	On the Design of a Multi-Frequency Wireless Power and Data Transfer System. , 2020, , .		0
48	Miniaturized Antennas Design for Microwave Imaging Applications. , 2020, , .		5
49	Dielectric Characterization of Biological Samples by Using an Open-ended Coaxial Probe. , 2020, , .		6
50	Broadband Numerical Evaluation of SAR Distribution Due to High-Intensity Radiated Fields by Portable Systems. , 2020, , .		2
51	On the Specific Absorption Rate Behavior of Square-wave Modulated Signals Exposures. , 2020, , .		1
52	Design and implementation of a compact Double Ridged Horn Antenna for Ultra-Wide band Microwave Imaging. , 2020, , .		1
53	Design of a 7 T Spiral Resonator-Based Filter for MRI Planar Array Coupling Reduction. , 2020, , .		0
54	Electric Near Field Reduction in Wireless Power Transfer Systems. , 2020, , .		0

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55	2.5-D Miniaturized Multifunctional Active Frequency-Selective Surface. IEEE Transactions on Antennas and Propagation, 2019, 67, 4659-4667.	3.1	28
56	A Wideband and Polarization-insensitive Switchable Absorber/Reflector with Simple Biasing Configuration. , 2019, , .		1
57	Broadband Linear to Circular Reflection Polarization Converter. , 2019, , .		6
58	RCS Calculation and Validation through Measurements of Electrically Large Objects Partially Covered with Thin Radar Absorbing Metamaterials. , 2019, , .		1
59	A Miniaturized High-Selectivity Frequency Selective Resorber Based on Subwavelength Resonance and Interdigital Resonator. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1833-1837.	2.4	29
60	On the Decoupling Robustness of Distributed Magnetic Traps in Biological Loaded Dual Tuned MR coils. , 2019, , .		1
61	Wireless Detection of Water Level by Using Spiral Resonators Operating in Sub-Ghz Range. , 2019, , .		11
62	An application of the virtual transmission line model of an open-ended coaxial probe for dielectric properties characterization of biological tissues. , 2019, , .		10
63	Accurate Extraction of Equivalent Circuit Parameters of Spiral Resonators for the Design of Metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 626-633.	2.9	25
64	A Novel Approach for Determining the Electromagnetic Properties of a Colloidal Fluid With Magnetic Nanoparticles for Hyperthermia Applications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 70-77.	2.3	5
65	Efficient Excitation of Characteristic Modes for Radiation Pattern Control by Using a Novel Balanced Inductive Coupling Element. IEEE Transactions on Antennas and Propagation, 2018, 66, 1102-1113.	3.1	54
66	Robust Reading Approach for Moving Chipless RFID Tags by Using ISAR Processing. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2442-2451.	2.9	27
67	Active frequency selective surface with two independent electromagnetic functions. , 2018, , .		0
68	Non-contact RF Characterization of Reinforced Carbon Fiber Composite Materials. , 2018, , .		0
69	Multi-arm Dipole for Compact Wearable Antennas. , 2018, , .		0
70	An Ultra-thin Low-frequency Metamaterial for Wireless Power Transfer Applications. , 2018, , .		9
71	Smart Antennas Mounted on Complex Platforms by Using Phase-Shifted Characteristic Modes. , 2018, , .		0
72	Hybrid Physical Optics-MoM-Ray Tracing Method for the RCS Calculation of Electrically Large Objects Covered with Radar Absorbing Materials. , 2018, , .		7

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73	On the Optimization of Distributed Magnetic Traps in MRI Coils Decoupling. , 2018, , .		4
74	On the Reading of Moving Chipless RFID Tags. , 2018, , .		1
75	Dual-functional active frequency selective surface using parallel feeding configuration and its equivalent circuit model. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21450.	0.8	4
76	Optimal Design of Miniaturized Reflecting Metasurfaces for Ultra-Wideband and Angularly Stable Polarization Conversion. Scientific Reports, 2018, 8, 7651.	1.6	31
77	Linear Fabry-Perot/Leaky-Wave Antennas Excited by Multiple Sources. IEEE Transactions on Antennas and Propagation, 2018, 66, 5150-5159.	3.1	14
78	Radiofrequency planar surface coil for magnetic resonance: When the use of a circular wire gives a noticeable advantage with respect to a flat strip conductor?. Measurement: Journal of the International Measurement Confederation, 2018, 129, 518-522.	2.5	7
79	Element-Independent Design of Wide-Angle Impedance Matching Radomes by Using the Generalized Scattering Matrix Approach. IEEE Transactions on Antennas and Propagation, 2018, 66, 4708-4718.	3.1	9
80	Randomly Overlapped Subarrays for Reduced Sidelobes in Angle-Limited Scan Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1969-1972.	2.4	22
81	Characteristic modes analysis for pattern shaping of handheld platforms. , 2017, , .		1
82	Analysis of Linear Fabry-Perot antennas excited by multiple sources. , 2017, , .		0
83	Estimation of losses in strip and circular wire conductors of radiofrequency planar surface coil by using the finite element method. Concepts in Magnetic Resonance Part B, 2017, 47B, .	0.3	11
84	Design of broadband reflecting metasurfaces for polarization conversion. , 2017, , .		3
85	Ultra-wideband linear polarization converters based on pixelated reflecting metasurfaces. , 2017, , .		5
86	Advantageous Exploitation of Characteristic Modes Analysis for the Design of 3-D Null-Scanning Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 3924-3934.	3.1	49
87	Excitation of multiple characteristic modes on a three dimensional platform. , 2017, , .		4
88	Evaluation of temperature increase during Magnetic Resonance examinations by combining electromagnetic/thermal simulations and B1 maps. , 2017, , .		0
89	Pattern control for portable devices by exploiting phase-shifted characteristic modes. , 2017, , .		0
90	An Iterative Design Procedure for Multiband Single-Layer Reflectarrays: Design and Experimental Validation. IEEE Transactions on Antennas and Propagation, 2017, 65, 4595-4606.	3.1	15

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91	Analysis of the Performance Enhancement of MIMO Systems Employing Circular Polarization. IEEE Transactions on Antennas and Propagation, 2017, 65, 4824-4835.	3.1	100
92	Chipless RFID sensor for rotation monitoring. , 2017, , .		31
93	LTE signal propagation in a maritime environment: Validation of a hybrid MoM-ray tracing prediction method. , 2017, , .		0
94	Design of compact multiband frequency selective surfaces with meandered elements. , 2017, , .		2
95	Multiple characteristic modes excitation for pattern reconfigurable antennas design. , 2017, , .		0
96	Design of metasurface radomes for wide-scan phased array antennas. , 2017, , .		0
97	On the complexity of randomly overlapped subarray feeding networks. , 2017, , .		0
98	Iterative non-ambiguous estimation of dielectric permittivity from broadband transmission/reflection measurements. , 2017, , .		0
99	Design of compact wearable antennas by using printed electronics. , 2017, , .		0
100	A novel coil for highly focused magnetic hyperthermia with nanoparticles. , 2017, , .		2
101	Electromagnetic Characterisation of Materials by Using Transmission/Reflection (T/R) Devices. Electronics (Switzerland), 2017, 6, 95.	1.8	98
102	Permittivity measurement of thin dielectrics by using metamaterial absorbers inside a waveguide. , 2017, , .		1
103	Detection of moving chipless tags by using SAR processing. , 2017, , .		3
104	RANDOMLY OVERLAPPED SUBARRAYS FOR ANGULAR-LIMITED SCAN ARRAYS. Progress in Electromagnetics Research C, 2016, 68, 129-139.	0.6	8
105	A stepwise transmission/reflection multiline-based algorithm for broadband permittivity measurements of dielectric materials. , 2016, , .		2
106	Chipless RFID tag exploiting cross polarization for angular rotation sensing. , 2016, , .		8
107	Wideband Scattering Diffusion by using Diffraction of Periodic Surfaces and Optimized Unit Cell Geometries. Scientific Reports, 2016, 6, 25458.	1.6	34
108	Design of electrically small antennas with inkjet-printing technology. , 2016, , .		1

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109	Design guidelines for pattern reconfigurable antennas by exploiting the characteristic modes analysis. , 2016, , .		1
110	Null-Steering Antenna Design Using Phase-Shifted Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2016, 64, 2698-2706.	3.1	55
111	Encoding/decoding strategies for frequency domain chipless RFIDs employing periodic surfaces. , 2016, , .		0
112	Systematic methods for synthesis and control of radiation patterns of antennas mounted on complex platforms. , 2016, , .		1
113	Theory, design and perspectives of electromagnetic wave absorbers. IEEE Electromagnetic Compatibility Magazine, 2016, 5, 67-74.	0.1	56
114	Element-independent design technique for wide angle impedance matching material. , 2016, , .		3
115	Radio frequency system for thermal soil remediation. , 2016, , .		0
116	Multi-frequency polarizarition converter with enhanced angular robustness. , 2016, , .		3
117	Hybridizing ray tracing and method of moments for over-the-sea prediction of LTE signal. , 2016, , .		2
118	Circularly polarized MIMO antennas for wireless LAN applications. , 2016, , .		2
119	Characteristic modes analysis for pattern reconfigurable antenna design. , 2016, , .		0
120	Indoor channel characterization for future 5G applications. , 2016, , .		1
121	Normalization-Free Chipless RFIDs by Using Dual-Polarized Interrogation. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 310-318.	2.9	53
122	Chipless RFID Tag Exploiting Multifrequency Delta-Phase Quantization Encoding. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 738-741.	2.4	63
123	Wearable Inkjet-Printed Wideband Antenna by Using Miniaturized AMC for Sub-GHz Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1927-1930.	2.4	44
124	Efficient design of multiple-fed leaky wave/Fabry-Perot antennas. , 2016, , .		2
125	Evaluation of 3D radio-frequency electromagnetic fields for any matching and coupling conditions by the use of basis functions. Journal of Magnetic Resonance, 2015, 261, 38-42.	1.2	0
126	Chipless RFID with artificial impedance surfaces. , 2015, , .		0

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127	A 7T double-tuned ($\frac{1}{H} \frac{1}{P}$) microstrip surface RF coil for the IMAGO7 MR scanner. , 2015, , .		2
128	Investigation of maximum local specific absorption rate in 7T magnetic resonance with respect to load size by use of electromagnetic simulations. Bioelectromagnetics, 2015, 36, 358-366.	0.9	9
129	Multi-frequency reflection only linear polarization converters. , 2015, , .		0
130	Metamaterial-inspired chipless RFID encoding exploiting phase response. , 2015, , .		0
131	A Robust Differential-Amplitude Codification for Chipless RFID. IEEE Microwave and Wireless Components Letters, 2015, 25, 832-834.	2.0	27
132	HUYGENS PRINCIPLE BASED IMAGING OF MULTILAYERED OBJECTS WITH INCLUSIONS. Progress in Electromagnetics Research B, 2014, 58, 139-149.	0.7	5
133	Reduction of monostatic and bistatic radar cross section of antenna arrays. , 2014, , .		0
134	Fast Optimization of Ultra-Broadband Antennas With Distributed Matching Networks. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 642-645.	2.4	6
135	A novel methodology for the fast design of ultra-wide broadband antennas. , 2014, , .		0
136	Reading chipless RFID located on metallic platforms by using cross-polar scattering. , 2014, , .		8
137	Phase-only encoding for novel chipless RFID tag. , 2014, , .		8
138	Chipless RFIDs by using metasurfaces. , 2014, , .		2
139	Particle Swarm Optimization for Multiple Dipole Modeling of Space Equipment. IEEE Transactions on Magnetics, 2014, 50, 1-10.	1.2	11
140	Low-Cost Metamaterial Absorbers for Sub-GHz Wireless Systems. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 27-30.	2.4	52
141	Calibration method for periodic surface based chipless tags. , 2014, , .		2
142	A Hybrid Mode Matching-Finite Element Method and Spectral Decomposition Approach for the Analysis of Large Finite Phased Arrays of Waveguides. IEEE Transactions on Antennas and Propagation, 2014, 62, 2553-2561.	3.1	6
143	Local SAR in adults and children at 7T MR: Realistic estimation by the using of simulations. , 2014, , .		1
144	Hybridization of finite element, Mode Matching and Spectral Decomposition technique for the analysis of large finite arrays of radiating apertures. , 2014, , .		0

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145	Compact and Low Profile Frequency Agile Antenna for Multistandard Wireless Communication Systems. IEEE Transactions on Antennas and Propagation, 2014, 62, 1019-1026.	3.1	55
146	Chipless RFIDs for Metallic Objects by Using Cross Polarization Encoding. IEEE Transactions on Antennas and Propagation, 2014, 62, 4402-4407.	3.1	72
147	Wideband Radar Cross Section Reduction of Slot Antennas Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 163-173.	3.1	143
148	Quadrature birdcage coil with distributed capacitors for 7.0 T magnetic resonance data acquisition of small animals. Concepts in Magnetic Resonance Part B, 2014, 44, 83-88.	0.3	7
149	Design of linear arrays by employing randomly-overlapped subarrays. , 2014, , .		3
150	Wireless Propagation Modeling by Using Ray-Tracing. , 2014, , 575-618.		13
151	Microwave Imaging Through a Mode-Matching Bessel Functions Procedure. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2753-2760.	2.9	7
152	A Chipless RFID Based on Multiresonant High-Impedance Surfaces. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 146-153.	2.9	175
153	A Circuit-Based Model for the Interpretation of Perfect Metamaterial Absorbers. IEEE Transactions on Antennas and Propagation, 2013, 61, 1201-1209.	3.1	235
154	Characteristic Basis Function Method for efficient modeling of conformal Frequency Selective Surfaces. , 2013, , .		4
155	Analysis of Finite Conformal Frequency Selective Surfaces via the Characteristic Basis Function Method and Spectral Rotation Approaches. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1404-1407.	2.4	20
156	Realistic Estimation of the local Specific Absorption Rate of human head in MR scanner at 7T. , 2013, , .		1
157	Hybridizing CBFM and ray tracing for on-body propagation. , 2013, , .		0
158	Ultra-thin absorbers for ultra-high frequency RFID systems. , 2013, , .		2
159	Volume Integral Equation Analysis of Thin Dielectric Sheet Using Sinusoidal Macro-Basis Functions. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 441-444.	2.4	9
160	Reducing time-delay units through randomly-overlapped subarrays in wideband linear array designs. , 2013, , .		1
161	A chipless RFID readable on metallic objects. , 2013, , .		4
162	Effects of absorbing layers on the RCS reduction and radiation performance of an antenna array. , 2013, , .		2

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163	VALIDATION OF NUMERICAL APPROACHES FOR ELECTROMAGNETIC CHARACTERIZATION OF MAGNETIC RESONANCE RADIOFREQUENCY COILS. <i>Progress in Electromagnetics Research M</i> , 2013, 29, 121-136.	0.5	14
164	Ultra-broad and sharp-transition bandpass terahertz filters by hybridizing multiple resonances mode in monolithic metamaterials. <i>Optics Express</i> , 2012, 20, 7580.	1.7	53
165	A numerical assesment of the effect of MRI surface coils on implanted pacemakers. , 2012, , .		6
166	Radiation of apertures arrays mounted on large conducting structures through a Characteristic Basis Function (CBF) approach. , 2012, , .		2
167	Channel characterization of wireless systems on board of ships by using an efficient ray-tracing. , 2012, , .		2
168	Analytically-based approach for the analysis of MRI volume coil loaded with multilayered cylinder. , 2012, , .		0
169	Analysis of on-body propagation at W band by using ray tracing model and measurements. , 2012, , .		5
170	On the design of perfect metamaterial absorbers. , 2012, , .		3
171	Spectral domain characteristic basis function method for efficient simulation of microstrip devices in layered media. <i>IET Microwaves, Antennas and Propagation</i> , 2012, 6, 411.	0.7	11
172	A Computationally Efficient Technique for Prototyping Planar Antennas and Printed Circuits for Wireless Applications. <i>Proceedings of the IEEE</i> , 2012, 100, 2122-2131.	16.4	12
173	UWB Microwave Imaging of Objects With Canonical Shape. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 231-239.	3.1	55
174	A Frequency Selective Radome With Wideband Absorbing Properties. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 2740-2747.	3.1	604
175	Closed-Form Analysis of Reflection Losses in Microstrip Reflectarray Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 4650-4660.	3.1	76
176	New numerical techniques for efficient and accurate analysis of FSSs, EBGs and Metamaterials. , 2012, , .		3
177	Low-Profile Array With Reduced Radar Cross Section by Using Hybrid Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2012, 60, 2327-2335.	3.1	180
178	Efficient Analysis of Frequency-Selective Surfaces by a Simple Equivalent-Circuit Model. <i>IEEE Antennas and Propagation Magazine</i> , 2012, 54, 35-48.	1.2	341
179	A new de-embedding technique for the analysis of printed circuits and antennas based on the Characteristic Basis Function Method. , 2012, , .		0
180	Compact Triple-Frequency Antenna for Sub-GHz Wireless Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 14-17.	2.4	13

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181	UWB body area network channel modeling: An analytical approach. AEU - International Journal of Electronics and Communications, 2012, 66, 913-919.	1.7	6
182	A wideband RCS reduction of slot array antennas. , 2012, , .		1
183	Frequency-Reconfigurable Microstrip Antenna With Biasing Network Driven by a PIC Microcontroller. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 156-159.	2.4	22
184	A FREQUENCY SELECTIVE ABSORBING GROUND PLANE FOR LOW-RCS MICROSTRIP ANTENNA ARRAYS. Progress in Electromagnetics Research, 2012, 126, 317-332.	1.6	55
185	Constrained Pareto Optimization of Wide Band and Steerable Concentric Ring Arrays. IEEE Transactions on Antennas and Propagation, 2012, 60, 3195-3204.	3.1	33
186	Numerically efficient method-of-moments formulation valid over a wide frequency band including very low frequencies. IET Microwaves, Antennas and Propagation, 2012, 6, 46.	0.7	15
187	Solution of wide band scattering problems using the characteristic basis function method. IET Microwaves, Antennas and Propagation, 2012, 6, 60.	0.7	25
188	Electromagnetic Absorbers based on High-Impedance Surfaces: From ultra-narrowband to ultra-wideband absorption. Advanced Electromagnetics, 2012, 1, 7.	0.7	30
189	A Spectral Rotation Approach for the Efficient Calculation of the Mutual Coupling Between Rectangular Apertures. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 131-134.	2.4	3
190	Parametric Design of Compact Dual-Frequency Antennas for Wireless Sensor Networks. IEEE Transactions on Antennas and Propagation, 2011, 59, 2619-2627.	3.1	18
191	Frequency-reconfigurable antenna for software defined radio driven by PIC microcontroller. , 2011, , .		4
192	A Characteristic Basis Function (CBF) approach for the electromagnetic radiation by large conducting structure with apertures. , 2011, , .		1
193	A universal and numerically efficient method of moments formulation covering a wide frequency band. , 2011, , .		2
194	Huygens Principle based technique for microwave imaging of objects with inclusions. , 2011, , .		1
195	TE Surface Wave Resonances on High-Impedance Surface Based Antennas: Analysis and Modeling. IEEE Transactions on Antennas and Propagation, 2011, 59, 3588-3596.	3.1	119
196	Absorptive frequency selective radome. , 2011, , .		12
197	A novel technique for an efficient analysis of microwave circuits etched in layered media. , 2011, , .		0
198	An Efficient Technique for the Evaluation of the Reduced Matrix in the Context of the CBFM for Layered Media. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 674-677.	2.4	14

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199	Tunable High-Impedance Surface With a Reduced Number of Varactors. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 11-13.	2.4	68
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