

HervÃ© Aubert

List of Publications by Year in descending order

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248
papers

2,121
citations

331670

21
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414414

32
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250
all docs

250
docs citations

250
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Estimation of the Yield in Precision Viticulture From Mobile Millimeter-Wave Radar Systems. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	2
2	Frequency Bandwidth of Pressure Sensors Dedicated to Blast Experiments. Sensors, 2022, 22, 3790.	3.8	2
3	Polarization Conversion from a Two-Port Impedance Loaded Tag. , 2022, , .		1
4	Classification of Radar Echoes for Identification and Remote Reading of Chipless Millimeter-Wave Sensors. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 926-937.	4.6	8
5	Wireless Transmission of Friedlander-Type Signals for the Dynamic Measurement of Blast Pressure. Propellants, Explosives, Pyrotechnics, 2021, 46, 563-571.	1.6	2
6	Range-Doppler Imaging Approach for the Wireless Reading of Mechanical Sensors. , 2021, , .		1
7	Microelectromechanical Transducer to Monitor High-Doses of Nuclear Irradiation. Sensors, 2021, 21, 5912.	3.8	0
8	Wireless Measurement of the Pressure from the Ka-Band Radar Echo of a 3D-Printed Microfluidic Depolarizing Sensor. , 2021, , .		2
9	A Non-Invasive Millimetre-Wave Radar Sensor for Automated Behavioural Tracking in Precision Farming Application to Sheep Husbandry. Sensors, 2021, 21, 8140.	3.8	3
10	Long-Range Zero-Power Multi-Sensing in Industrial Environment using Polarization Diversity and 3D Radar Imagery. , 2020, , .		3
11	Identification of Chipless Sensors in Cluttered Environments From 3D Radar Imagery and Polarimetry. , 2020, , .		1
12	4-Port Vector Antenna for MIMO Applications. , 2020, , .		0
13	3D Trajectories of Multiple Untagged Flying Insects from Millimetre-wave Beamscanning Radar. , 2020, , .		3
14	Wideband Vector Antenna for Dual-Polarized and Three-Dimensional Direction-Finding Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1572-1575.	4.0	10
15	Autonomous RFID Sensor Node Using a Single ISM Band for Both Wireless Power Transfer and Data Communication. Sensors, 2019, 19, 3330.	3.8	10
16	Impact of anodic bonding on transmission loss in 23GHz pressure transducers. Microelectronics Reliability, 2019, 100-101, 113352.	1.7	1
17	In-Situ Wireless Pressure Measurement Using Zero-Power Packaged Microwave Sensors. Sensors, 2019, 19, 1263.	3.8	10
18	Compact Rectennas for Ultra-Low-Power Wireless Transmission Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1697-1707.	4.6	48

#	ARTICLE	IF	CITATIONS
19	Wideband and Reconfigurable Vector Antenna Using Radiation Pattern Diversity for 3-D Direction-of-Arrival Estimation. IEEE Transactions on Antennas and Propagation, 2019, 67, 3586-3596.	5.1	13
20	Proximal Radar Sensors for Precision Viticulture. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4624-4635.	6.3	16
21	Static and Dynamic Permittivity Measurement of High Explosives in the W Band to Investigate Shock and Detonation Phenomena. Propellants, Explosives, Pyrotechnics, 2019, 44, 153-159.	1.6	4
22	Dual-Polarized Through-Wall Repeater for the Wireless Reading of Millimeter-Wave Passive Sensors. , 2019, , .		2
23	Millimetre-Wave Interrogation of Passive Sensors Embedded Inside Closed Reverberant Environments from Dual-Polarized Passive Repeaters. , 2019, , .		3
24	Wideband Vector Antenna using Radiation Pattern Reconfigurability for 3-D Direction Finding. , 2019, , .		0
25	Design and Characterization of a Compact Rectenna for Structural Health Monitoring Applications. , 2019, , .		3
26	Aperture-Coupled Microstrip Resonator for Millimeter-Wave Passive Pressure Sensors. , 2019, , .		3
27	Radar Imaging Approach for Zero-Power Millimeter-Wave Wireless Sensors. , 2019, , .		4
28	Reconfigurable Grounded Vector Antenna for 3-D Electromagnetic Direction-Finding Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 197-200.	4.0	9
29	Technique for wireless reading of passive microfluidic sensors. Electronics Letters, 2018, 54, 150-151.	1.0	2
30	Compact Flat Dipole Rectenna for Energy Harvesting or Wireless Power Transmission Applications. , 2018, , .		2
31	Compact C-band Rectenna for Satellite Applications. , 2018, , .		1
32	900 MHz Miniaturized Rectenna. , 2018, , .		7
33	3D Direction-of-Arrival Estimation using a Wideband Vector Antenna. , 2018, , .		3
34	Polyethylene Outgassing Study for MEMS Nuclear Radiation Sensor. Proceedings (mdpi), 2018, 2, .	0.2	1
35	Electromagnetic Wave Reflection from Shocked Dielectric Materials. , 2018, , .		0
36	AUTOMATED MONITORING OF LIVESTOCK BEHAVIOR USING FREQUENCY-MODULATED CONTINUOUS-WAVE RADARS. Progress in Electromagnetics Research M, 2018, 69, 151-160.	0.9	6

#	ARTICLE	IF	CITATIONS
37	Compact Planar Integrated Rectenna for Batteryless IoT Applications. , 2018, , .		6
38	Measurement of Shock Wave and Particle Velocities in Shocked Dielectric Material from Millimeter-Wave Remote Sensing. , 2018, , .		1
39	Wireless Remote Monitoring of Packaged Passive Sensor for In-situ Pressure Measurement in Highly Reflective Environments. , 2018, , .		4
40	COMPACT FLAT DIPOLE RECTENNA FOR IOT APPLICATIONS. Progress in Electromagnetics Research C, 2018, 87, 39-49.	0.9	19
41	Passive and chipless packaged transducer for wireless pressure measurement. Sensors and Actuators A: Physical, 2018, 279, 753-762.	4.1	3
42	Reflection of Electromagnetic Waves From Moving Interfaces for Analyzing Shock Phenomenon in Solids. Radio Science, 2018, 53, 888-894.	1.6	5
43	Multiband rectenna for microwave applications. Comptes Rendus Physique, 2017, 18, 107-117.	0.9	27
44	Recent advances in electromagnetic energy harvesting and Wireless Power Transfer for IoT and SHM applications. , 2017, , .		15
45	Remote estimation of intra-parcel grape quantity from three-dimensional imagery technique using ground-based microwave FMCW radar. IEEE Instrumentation and Measurement Magazine, 2017, 20, 20-24.	1.6	9
46	Long-Range Wireless Interrogation of Passive Humidity Sensors Using Van-Atta Cross-Polarization Effect and Different Beam Scanning Techniques. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5345-5354.	4.6	28
47	Long range wireless interrogation of passive humidity sensors using Van-Atta cross-polarization effect and 3D beam scanning analysis. , 2017, , .		8
48	Wireless and passive nuclear radiation sensors. , 2017, , .		4
49	Design of air blast pressure sensors based on miniature silicon membrane and piezoresistive gauges. Journal of Physics: Conference Series, 2017, 922, 012019.	0.4	8
50	Grounded colocated antennas for wideband vector sensor applications. , 2017, , .		0
51	Passive and Chipless Packaged Sensor for the Wireless Pressure Monitoring in Harsh Environment. Proceedings (mdpi), 2017, 1, .	0.2	3
52	Multiband rectenna for microwave applications. , 2016, , .		6
53	Wireless pressure measurement in air blast using PVDF sensors. , 2016, , .		4
54	Incident pressure measurement in air blast using wireless sensors. , 2016, , .		3

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55	Wireless hydrogen pressure dosimeter for nuclear high dose monitoring. , 2016, , .		2
56	Wireless passive sensors interrogation technique based on a three-dimensional analysis. , 2016, , .		4
57	Cross dipoles rectenna for microwave applications. , 2016, , .		3
58	Wireless sensors for the incident pressure measurement in air blast. , 2016, , .		4
59	3D scanning and sensing technique for the detection and remote reading of a passive temperature sensor. , 2016, , .		7
60	Fabrication of Fully Inkjet-Printed Vias and SIW Structures on Thick Polymer Substrates. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 486-496.	2.5	46
61	Dual-Band Vector Sensor for Direction of Arrival Estimation of Incoming Electromagnetic Waves. IEEE Transactions on Antennas and Propagation, 2015, 63, 3662-3671.	5.1	18
62	3D scanning radar for the remote reading of passive electromagnetic sensors. , 2015, , .		4
63	MINIATURIZATION OF COMPACT QUADRIFILAR HELIX ANTENNAS FOR TELEMETRY, TRACKING AND COMMAND APPLICATIONS. Progress in Electromagnetics Research C, 2015, 60, 125-136.	0.9	3
64	High doses wireless radiation sensor using electromagnetic transducers. , 2015, , .		3
65	3D microwave imaging system for the remote detection and reading of passive sensors. , 2015, , .		3
66	Wireless detection, identification and reading of passive electromagnetic sensors based on beam-steering FMCW RADAR. , 2015, , .		1
67	Ultra-compact Ku band rectenna. , 2015, , .		3
68	Large electromagnetic simulation by hybrid approach on large-scale parallel computing systems. Concurrency Computation Practice and Experience, 2015, 27, 3184-3204.	2.2	2
69	NOVEL VECTOR SENSORS DESIGN WITH THREE CO-LOCATED OR DISTRIBUTED ELEMENTS FOR THE 3D DOA ESTIMATION. Progress in Electromagnetics Research B, 2014, 57, 207-220.	1.0	4
70	Novel inkjet printed modules for sensing, radar and energy harvesting applications. , 2014, , .		6
71	Rectenna design for K band application. , 2014, , .		9
72	An inkjet-printed flexible broadband coupler in substrate integrated waveguide (SIW) technology for sensing, RFID and communication applications. , 2014, , .		10

#	ARTICLE	IF	CITATIONS
73	An inkjet-printed flexible broadband multilayer SIW coupler for antenna array systems. , 2014, , .		4
74	Inkjet-printed “Zero-Power” wireless sensor and power management nodes for IoT and “Smart Skin” applications. , 2014, , .		1
75	Wireless passive high-doses radiation sensor. , 2014, , .		1
76	Resonant metallic rings with irregular contours for spiral antennas miniaturization. , 2014, , .		3
77	Platform Calibration for Load Balancing of Large Simulations: TLM Case. , 2014, , .		1
78	Compact rectenna for space application. , 2014, , .		6
79	Overview of electromagnetic transducers with radar interrogation for passive wireless sensors applications. , 2014, , .		2
80	Technology for fully printable and rollable ground penetrating radar (GPR) systems. , 2014, , .		0
81	RFID-Based Sensors for Zero-Power Autonomous Wireless Sensor Networks. IEEE Sensors Journal, 2014, 14, 2419-2431.	4.7	80
82	Microwave Power Harvesting for Satellite Health Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1090-1098.	4.6	46
83	< formula formulatype="inline" > < tex Notation="TeX" > \$Ka\$ < /tex > < /formula >-Band Multiple Feed per Beam Focal Array Using Interleaved Couplers. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1322-1329.	4.6	16
84	Pre-fractal resonant rings for compact spiral antennas. , 2014, , .		1
85	A conformal/rollable monolithic miniaturized ultra-portable ground penetrating radar using additive and inkjet printing. , 2014, , .		5
86	Inkjet-printed “Zero-Power” wireless sensor and power management nodes for IoT and “Smart Skin” applications. , 2014, , .		2
87	Electromagnetic modeling of microstrip reflectarrays using scale changing technique. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 205-224.	1.9	0
88	Wireless sensing and identification based on radar cross section variability measurement of passive electromagnetic sensors. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 425-435.	2.5	21
89	Design and implementation of a rectenna for satellite application. , 2013, , .		9
90	Novel Design of a Highly Sensitive RF Strain Transducer for Passive and Remote Sensing in Two Dimensions. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1385-1396.	4.6	56

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91	A dual-band retrodirective reflector array on paper utilizing Substrate Integrated Waveguide (SIW) and inkjet printing Technologies for Chipless RFID Tag and Sensor Applications. , 2013, , .		3
92	Wireless chipless passive microfluidic temperature sensor. , 2013, , .		2
93	Miniaturisation of quadrifilar helical antenna: impact on efficiency and phase centre position. IET Microwaves, Antennas and Propagation, 2013, 7, 202-207.	1.4	7
94	Ka-band Multiple Feed per Beam antenna architecture based on interleaved 3-D directional couplers. , 2013, , .		2
95	Millimeter-Wave Substrate Integrated Waveguide Passive Van Atta Reflector Array. IEEE Transactions on Antennas and Propagation, 2013, 61, 1465-1470.	5.1	19
96	A novel dual-band retro-directive reflector array on paper utilizing Substrate Integrated Waveguide (SIW) and inkjet printing technologies for chipless RFID tag and sensor applications. , 2013, , .		9
97	Microwave energy harvesting for satellite applications. Electronics Letters, 2013, 49, 722-724.	1.0	11
98	Inkjet-printed RFID-enabled sensors on paper for IoT and "Smart Skin" applications. , 2013, , .		10
99	K-band energy harvesting for satellite application. , 2013, , .		3
100	Miniaturization of Quadrifilar Helix Antennas for space applications. , 2012, , .		4
101	Novel Microfluidic Structures for Wireless Passive Temperature Telemetry Medical Systems Using Radar Interrogation Techniques in Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1706-1709.	4.0	34
102	Efficient large electromagnetic problem solving by hybrid TLM and modal approach on grid computing. , 2012, , .		2
103	Energy Harvesting for Powering Wireless Sensor Networks On-Board Geostationary Broadcasting Satellites. , 2012, , .		6
104	Diode modeling for milimeter wave applications based on co-simulation technique. , 2012, , .		3
105	Wireless communicating nodes at 60GHz integrated on flexible substrate for short-distance instrumentation in aeronautics and space. International Journal of Microwave and Wireless Technologies, 2012, 4, 109-117.	1.9	9
106	Compact VHF quadrifilar helix antenna. , 2012, , .		2
107	Miniaturisation technique for quadrifilar helix antenna. , 2012, , .		0
108	Cancellation of Beam Squint with Frequency in Serial Beamforming Network-Fed Linear Array Antennas. IEEE Antennas and Propagation Magazine, 2012, 54, 32-39.	1.4	13

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109	Ridge Substrate Integrated Waveguide (RSIW) Dual-Band Hybrid Ring Coupler. IEEE Microwave and Wireless Components Letters, 2012, 22, 70-72.	3.2	19
110	Electromagnetic Transduction for Wireless Passive Sensors. Procedia Engineering, 2012, 47, 1474-1483.	1.2	13
111	A new millimeter-wave micro-fluidic temperature sensor for wireless passive radar interrogation. , 2012, , .		6
112	Wireless sensing and identification of passive electromagnetic sensors based on millimetre-wave FMCW RADAR. , 2012, , .		18
113	Design and Development of a Novel Passive Wireless Ultrasensitive RF Temperature Transducer for Remote Sensing. IEEE Sensors Journal, 2012, 12, 2756-2766.	4.7	30
114	Large electromagnetic problem on large scale parallel computing systems. , 2012, , .		1
115	Spiral antenna miniaturization in Very High Frequency band. , 2012, , .		6
116	Design of multiple feed per beam antenna based on a 3-d directional coupler topology. , 2012, , .		5
117	THE CLOSE-FORM SOLUTION FOR SYMMETRIC BUTLER MATRICES. Progress in Electromagnetics Research C, 2012, 26, 167-179.	0.9	1
118	A METHODOLOGY TO STUDY THE ELECTROMAGNETIC BEHAVIOR OF A CRYOGENIC METALLIC SYSTEM USED TO CONTROL THE RATCHET EFFECT. Progress in Electromagnetics Research M, 2012, 23, 123-137.	0.9	0
119	Electromagnetic modeling of complex structures by TLM / modal hybrid approach with efficient parallel computing. , 2012, , .		0
120	Design of a highly sensitive wireless passive RF strain transducer. , 2011, , .		9
121	A novel wireless passive temperature sensor utilizing microfluidic principles in millimeter-wave frequencies. , 2011, , .		9
122	Compact wideband double-layer half-mode substrate integrated waveguide 90° coupler. Electronics Letters, 2011, 47, 598.	1.0	14
123	Miniaturized Hybrid Ring Coupler Using Electromagnetic Bandgap Loaded Ridge Substrate Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2011, 21, 471-473.	3.2	13
124	Compact Printed Quadrifilar Helical Antenna With Iso-Flux-Shaped Pattern and High Cross-Polarization Discrimination. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 635-638.	4.0	28
125	A Dual-band High Impedance Surface mounted with a spiral antenna for GNSS applications. , 2011, , .		2
126	RFID technology for human implant devices. Comptes Rendus Physique, 2011, 12, 675-683.	0.9	51

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127	Design and Implementation of Two-Layer Compact Wideband Butler Matrices in SIW Technology for Ku-Band Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 503-512.	5.1	97
128	MULTI-SCALE APPROACH FOR THE ELECTROMAGNETIC SIMULATION OF FINITE SIZE AND THICK FREQUENCY SELECTIVE SURFACES. Progress in Electromagnetics Research M, 2011, 17, 43-57.	0.9	5
129	Working principle description of the wireless passive EM transduction pressure sensor. EPJ Applied Physics, 2011, 56, 13702.	0.7	26
130	Optimisation of MEMS-controlled reflectarray phase shifter cell. IET Microwaves, Antennas and Propagation, 2011, 5, 271.	1.4	7
131	Parallelization of the Scale-Changing Technique in Grid Computing environment for the electromagnetic simulation of multi-scale structures. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2011, 24, 58-77.	1.9	1
132	Design of a highly sensitive wireless passive RF strain transducer. , 2011, , .		7
133	A newly developed radio frequency wireless passive highly sensitive strain transducer. , 2011, , .		12
134	Dispositif passif pour la mesure sans-fil de la pression. Du capteur à transduction électromagnétique au lecteur radar. Instrumentation Mesure Metrologie, 2011, 11, 67-88.	0.3	0
135	3D heterogeneous integration of wireless communicating nano-sensors on flexible substrate. , 2010, , .		4
136	EQUIVALENT ELECTRICAL CIRCUIT FOR DESIGNING MEMS-CONTROLLED REFLECTARRAY PHASE SHIFTERS. Progress in Electromagnetics Research, 2010, 100, 1-12.	4.4	30
137	Compact Helical Antennas - A Review. Recent Patents on Electrical Engineering, 2010, 3, 1-9.	0.4	5
138	A novel passive wireless ultrasensitive RF temperature transducer for remote sensing. , 2010, , .		6
139	Height Reduction of the Axial-Mode Open-Ended Quadrifilar Helical Antenna. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 942-945.	4.0	27
140	Analysis and design of a compact SIW-based multi-layer wideband phase shifter for Ku-band applications. , 2010, , .		6
141	60GHz wireless nano-sensors network for structure health monitoring as enabler for safer, greener aircrafts. , 2010, , .		4
142	A novel passive wireless ultrasensitive RF temperature transducer for remote sensing. , 2010, , .		17
143	Pressure measurement from the RADAR interrogation of passive sensors. , 2010, , .		8
144	A novel passive ultrasensitive RF temperature transducer for remote sensing and identification utilizing radar cross sections variability. , 2010, , .		15

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145	Full-wave analysis of planar structures using Scale Changing Technique under feed-horn excitation. , 2010, , .		2
146	EM modeling of periodic microstrip reflectarrays using Scale-Changing Technique. , 2010, , .		2
147	Modeling of a finite-size thick metallic waveguide FSS under oblique plane wave incidence using Scale Changing Technique. , 2010, , .		0
148	Feasibility of wireless gas detection with an FMCW RADAR interrogation of passive RF gas sensor. , 2010, , .		12
149	Multiband pyramidal antenna for radio navigation and telemetry systems. , 2010, , .		0
150	Phenomenological theory and experimental characterizations of passive wireless EM pressure micro-sensor prototype. , 2010, , .		6
151	GRID- BASED GLOBAL ELECTROMAGNETIC SIMULATION TOOL FOR PARAMETRIC DISTRIBUTED ANALYSIS OF ARRAY ANTENNAS. Progress in Electromagnetics Research M, 2009, 10, 1-12.	0.9	0
152	THE CONCEPT OF SCALE-CHANGING NETWORK IN GLOBAL ELECTROMAGNETIC SIMULATION OF COMPLEX STRUCTURES. Progress in Electromagnetics Research B, 2009, 16, 127-154.	1.0	18
153	Low-profile wideband antenna with unidirectional inclined radiation pattern for C-band airborne applications. , 2009, , .		0
154	Highly compact composite antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	2
155	Reconfigurable multi-band scatterers for micro-sensors identification. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	10
156	New micro-sensors identification techniques based on reconfigurable multi-band scatterers. , 2009, , .		12
157	Novel millimeter-wave gas sensor using dielectric resonator with sensitive layer on TiO_2 . , 2009, , .		9
158	Iterative Approach for the Nonlinear Simulation of Active Antennas. , 2009, , .		1
159	Wide band passive repeaters: Design and measurements. , 2009, , .		6
160	New electromagnetic transduction micro-sensor concept for passive wireless pressure monitoring application. , 2009, , .		14
161	Interleaved multi-band pyramidal antennas combining radio navigation and telemetry satellite applications. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
162	Novel compact waveguide-based Composite Right/Left-handed phase shifter with arbitrary phase shift and broad bandwidth: Analysis and design. , 2009, , .		0

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163	Novel Microwave Gas Sensor using Dielectric Resonator With SnO ₂ Sensitive Layer. <i>Procedia Chemistry</i> , 2009, 1, 935-938.	0.7	43
164	Multi-scale approach for the electromagnetic modeling of metallic FSS grids of finite thickness with non-uniform cells. , 2009, , .		4
165	Miniaturization of quadrifilar helix antenna for VHF band applications. , 2009, , .		16
166	Wideband two-layer SIW coupler: design and experiment. <i>Electronics Letters</i> , 2009, 45, 687.	1.0	25
167	Multiband Pyramidal Antenna Loaded With a Cutoff Open-Ended Waveguide. <i>IEEE Transactions on Antennas and Propagation</i> , 2009, 57, 266-270.	5.1	5
168	Electromagnetic analysis of the experimental setup used to investigate the ratchet effect in two-dimensional electron system under microwave radiation. , 2009, , .		0
169	Comparative analysis of different techniques for controlling ratchet effect in a periodic array of asymmetric antidots. , 2009, , .		4
170	Design and experimental validation of a compact quadrifilar helix antenna in VHF band. , 2009, , .		6
171	Very compact quadrifilar helix antenna in VHF band with quasi hemispherical radiation pattern. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009, , .	0.0	7
172	Application of Scale Changing Technique - grid computing to the electromagnetic simulation of reflectarrays. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009, , .	0.0	1
173	Lacunarity of Rough Surfaces From the Wavelet Analysis of Scattering Data. <i>IEEE Transactions on Antennas and Propagation</i> , 2009, 57, 2130-2136.	5.1	25
174	Modeling of finite and non-uniform patch arrays using Scale-Changing Technique. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009, , .	0.0	0
175	Sierpinski Pyramidal Antenna Loaded With a Cutoff Open-Ended Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 352-355.	4.0	4
176	Deployment and management of large planar reflectarray antennas simulation on grid. , 2009, , .		4
177	RF MEMS status and perspectives. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3822-3827.	0.8	0
178	Monolithic electromagnetic modeling of multi-scale structures based on scale-changing networks. , 2008, , .		4
179	Novel two-layer broadband 4 × 4 Butler matrix in SIW technology for Ku-band applications. , 2008, , .		5
180	Tunable Bandstop and Bandpass MEMS Filters for Millimeter Wave Applications. , 2008, , .		6

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181	Minimizing Electromagnetic Scattering by Varying Height of Metallic Surfaces. IEEE Microwave and Wireless Components Letters, 2008, 18, 299-301.	3.2	4
182	L-band compact printed quadrifilar helix antenna with 'Iso-Flux'; radiating pattern for stratospheric balloons telemetry. , 2008, , .		8
183	Modeling of infinite passive planar structures using scale-changing technique. , 2008, , .		3
184	Load-Pull Effect on Radiation Characteristics of Active Antennas. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 550-552.	4.0	22
185	Electromagnetic simulations via parallel computing: an application using scale changing technique for modeling of passive planar reflectarrays in grid environment. , 2008, , .		4
186	Pressure micro-sensor based on Radio-Frequency transducer. , 2008, , .		25
187	Trap-loaded pyramidal Tri-band antenna for satellite applications. , 2008, , .		3
188	Pressure sensing approach based on electromagnetic transduction principle. , 2008, , .		13
189	Novel multi-layer SIW broadband coupler for Nolen matrix design in Ku band. , 2008, , .		16
190	An Innovative and Versatile Topology for Tunable Bandpass Filter. Semiconductor Conference, 2009 CAS 2009 International, 2007, , .	0.0	0
191	Radio frequency pressure transducer. , 2007, , .		21
192	Pyramidal multi-band antennas for GPS/Galileo/MicroSat application. , 2007, , .		3
193	Compact printed quadrifilar helix antennas for stratospheric balloons telemetry. , 2007, , .		7
194	Tunable bandstop MEMS filter for millimetre-wave applications. Electronics Letters, 2007, 43, 675.	1.0	21
195	Scale changing technique design and optimisation tool for active reflect-arrays cell. , 2007, , .		1
196	New topologies of tunable bandstop MEMS filters for millimeter wave applications. , 2007, , .		3
197	Electromagnetic simulation of MEMS-controlled reflectarrays based on SCT in grid environment. , 2007, , .		4
198	Scale Changing Technique for the Electromagnetic Modeling of Planar Self-Similar Structures. IEEE Transactions on Antennas and Propagation, 2006, 54, 2783-2789.	5.1	18

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199	Multi-scale approach for the electromagnetic modelling of MEMS-controlled reflectarrays. , 2006, , .		2
200	Cantor Spiral Array for the Design of Thinned Arrays. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 104-106.	4.0	15
201	Scale-Changing Technique for the Electromagnetic Modeling of MEMS-Controlled Planar Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3594-3601.	4.6	27
202	Are cantor arrays effective for designing thinned arrays?. Microwave and Optical Technology Letters, 2006, 48, 2041-2043.	1.4	0
203	Tunable MEMS Filters for Millimeter Wave Applications. , 2006, , .		4
204	Scale Changing Technique for MEMS-controlled phase-shifters. , 2006, , .		5
205	N-port network for the electromagnetic modeling of mems switches. Microwave and Optical Technology Letters, 2005, 45, 46-49.	1.4	4
206	Radar cross-section of self-similar planar targets. Electronics Letters, 2005, 41, 215.	1.0	8
207	Cut-off number of elements in polyadic Cantor arrays. , 2005, , .		0
208	Scale-Changing Technique for the Computation of the Input Impedance of Active Patch Antennas. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 326-328.	4.0	11
209	Lacunarity of fractal superlattices: a remote estimation using wavelets. IEEE Transactions on Antennas and Propagation, 2005, 53, 1358-1363.	5.1	7
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