

Apostolos Georgiadis

List of Publications by Year in descending order

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183
papers

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citations

109321

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202
docs citations

202
times ranked

5320
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Wirelessly Powered Backscatter Communications: From Antenna/RF Circuitry Design to Printed Flexible Electronics. Proceedings of the IEEE, 2022, 110, 171-192.	21.3	41
2	A Convex Optimization Approach for the Design of Supergain Electrically Small Antenna and Rectenna Arrays Comprising Parasitic Reactively Loaded Elements. IEEE Transactions on Antennas and Propagation, 2022, 70, 4674-4682.	5.1	8
3	The New Era of Long-Range “Zero-Interception” Ambient Backscattering Systems: 130 m with 130 nA Front-End Consumption. Sensors, 2022, 22, 4151.	3.8	2
4	Backscatter Communications. IEEE Journal of Microwaves, 2021, 1, 864-878.	6.5	12
5	Triple-Band Single-Layer Rectenna for Outdoor RF Energy Harvesting Applications. Sensors, 2021, 21, 3460.	3.8	13
6	A printed millimetre-wave modulator and antenna array for backscatter communications at gigabit data rates. Nature Electronics, 2021, 4, 439-446.	26.0	36
7	Focus Location Measurement of a Quasioptical Double Reflector System. , 2021, , .		7
8	Novel Design Framework for Dual-Band Frequency Selective Surfaces Using Multi-Variant Differential Evolution. Mathematics, 2021, 9, 2381.	2.2	4
9	Energy Harvesting for Autonomous Wireless Sensor Platforms. , 2021, , .		1
10	Investigating flexible textile-based coils for wireless charging wearable electronics. Journal of Industrial Textiles, 2020, 50, 333-345.	2.4	26
11	Wireless Power Transfer—An Overview. IEEE Transactions on Industrial Electronics, 2019, 66, 1044-1058.	7.9	965
12	Novel Data Pre-Distorter for APSK Signals in Solid-State Power Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4044-4054.	5.4	5
13	Low Cost Ambient Backscatter for Agricultural Applications. , 2019, , .		7
14	A Batteryless Semi-Passive RFID Sensor Platform. , 2019, , .		5
15	NFC Hybrid Harvester for Battery-free Agricultural Sensor Nodes. , 2019, , .		6
16	IQ Impedance Modulator Front-End for Low-Power LoRa Backscattering Devices. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5307-5314.	4.6	22
17	Chirp Based Backscatter Modulation. , 2019, , .		6
18	Achieving Fully Autonomous System-on-Package Designs: An Embedded-on-Package 5G Energy Harvester within 3D Printed Multilayer Flexible Packaging Structures. , 2019, , .		23

#	ARTICLE	IF	CITATIONS
19	A Rectifier Circuit Insensitive to the Angle of Incidence of Incoming Waves Based on a Wilkinson Power Combiner. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3210-3218.	4.6	20
20	Could the space probe Philae be energized remotely?. Wireless Power Transfer, 2019, 6, 154-160.	1.1	1
21	Design of a wireless power transfer system for assisted living applications. Wireless Power Transfer, 2019, 6, 41-56.	1.1	9
22	Hybrid Printed Energy Harvesting Technology for Self-Sustainable Autonomous Sensor Application. Sensors, 2019, 19, 728.	3.8	14
23	Efficiency optimization of a three-coil resonant energy link. Wireless Power Transfer, 2019, 6, 126-137.	1.1	0
24	The Future of Backscatter in Precision Agriculture. , 2019, , .		7
25	High Efficiency RF Energy Harvester for IoT Embedded Sensor Nodes. , 2019, , .		1
26	Wireless Power Transfer for Smart Industrial and Home Applications. IEEE Transactions on Industrial Electronics, 2019, 66, 3959-3962.	7.9	16
27	A flexible RF energy harvester using a hybrid printing technology for "stand-alone" wireless sensor platforms. Flexible and Printed Electronics, 2018, 3, 015004.	2.7	2
28	A Novel Ultra-Lightweight Multiband Rectenna on Paper for RF Energy Harvesting in the Next Generation LTE Bands. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 366-379.	4.6	181
29	Four-PAM Modulation of Ambient FM Backscattering for Spectrally Efficient Low-Power Applications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5909-5921.	4.6	32
30	Efficient and Sensitive Electrically Small Rectenna for Ultra-Low Power RF Energy Harvesting. Scientific Reports, 2018, 8, 15038.	3.3	41
31	Low Bitrate Ambient FM Backscattering for Low Cost and Low Power Sensing. , 2018, , .		2
32	A 2.4 GHz Rectifier Insensitive to the Angle of Incidence of Incoming Waves. , 2018, , .		1
33	Spectrally Efficient 4-PAM Ambient FM Backscattering for Wireless Sensing and RFID Applications. , 2018, , .		8
34	A uW Backscatter-Morse-Leaf Sensor for Low-Power Agricultural Wireless Sensor Networks. IEEE Sensors Journal, 2018, 18, 7889-7898.	4.7	96
35	Toward 1G Mobile Power Networks: RF, Signal, and System Designs to Make Smart Objects Autonomous. IEEE Microwave Magazine, 2018, 19, 69-82.	0.8	64
36	Design of Inkjet-Printed RFID-Based Sensor on Paper: Single- and Dual-Tag Sensor Topologies. Sensors, 2018, 18, 1958.	3.8	22

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37	A Novel Solar and Electromagnetic Energy Harvesting System With a 3-D Printed Package for Energy Efficient Internet-of-Things Wireless Sensors. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1831-1842.	4.6	140
38	A proximity wireless sensor based on backscatter communication. , 2017, , .		1
39	Europe and the Future for WPT : European Contributions to Wireless Power Transfer Technology. IEEE Microwave Magazine, 2017, 18, 56-87.	0.8	59
40	Octave and Decade Printed UWB Rectifiers Based on Nonuniform Transmission Lines for Energy Harvesting. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4326-4334.	4.6	76
41	Performance analysis of a ultra-compact low-power rectenna in paper substrate for RF energy harvesting. , 2017, , .		8
42	Ambient Backscatterers Using FM Broadcasting for Low Cost and Low Power Wireless Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5251-5262.	4.6	61
43	Backscatter morse leaf sensor for agricultural wireless sensor networks. , 2017, , .		8
44	Highly Integrable Paper-Based Harmonic Transponder for Low-Power and Long-Range IoT Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3196-3199.	4.0	33
45	Millimeter-wave backscatter: A quantum leap for gigabit communication, RF sensing, and wearables. , 2017, , .		37
46	3D/Inkjet-printed millimeter wave components and interconnects for communication and sensing. , 2017, , .		2
47	Inkjet printed 24 GHz rectenna on paper for millimeter wave identification and wireless power transfer applications. , 2017, , .		14
48	Practical considerations on the use of the Bessel-Fourier power amplifier behavioural model. , 2017, , .		0
49	An UHF rectifier with 100% bandwidth based on a ladder LC impedance matching network. , 2017, , .		1
50	An UHF rectifier with 100% bandwidth based on a ladder LC impedance matching network. , 2017, , .		0
51	Rectifier Design Challenges for RF Wireless Power Transfer and Energy Harvesting Systems. Radioengineering, 2017, 26, 411-417.	0.6	19
52	Ambient FM backscattering for smart agricultural monitoring. , 2017, , .		28
53	CORRELATION EFFECTS ON THE MIMO CAPACITY FOR CONFORMAL ANTENNAS ON A PARABOLOID. Progress in Electromagnetics Research M, 2016, 50, 1-10.	0.9	0
54	Instantaneous power variance and radio frequency to dc conversion efficiency of wireless power transfer systems. IET Microwaves, Antennas and Propagation, 2016, 10, 1065-1070.	1.4	5

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55	Design of a ultra-compact low-power rectenna in paper substrate for energy harvesting in the Wi-Fi band. , 2016, , .		11
56	Improved propagation modeling in ultra-wideband indoor communication systems utilizing vector fitting technique of the dielectric properties of building materials. , 2016, , .		0
57	A UHF rectifier with one octave bandwidth based on a non-uniform transmission line. , 2016, , .		28
58	RF Energy Harvesting From Multi-Tone and Digitally Modulated Signals. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1918-1927.	4.6	74
59	EH performance of an hybrid energy harvester for autonomous nodes. , 2016, , .		10
60	Passive RFID-enabled proximity sensor. , 2016, , .		4
61	A hybrid heuristic design technique for real-time matching optimization for wearable near-field ambient RF energy harvesters. , 2016, , .		3
62	A dual band circularly polarized SIW interleaved antenna array. , 2016, , .		2
63	Guest Editorial Special Issue on Radio-Frequency Identification (RFID), Sensing, and Imaging. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2292-2293.	4.6	0
64	Dual band RF harvesting with low-cost lossy substrate for low-power supply system. , 2016, , .		9
65	Increasing wireless powered systems efficiency by combining WPT and Electromagnetic Energy Harvesting. , 2016, , .		10
66	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
67	The CTTC 5G End-to-End Experimental Platform : Integrating Heterogeneous Wireless/Optical Networks, Distributed Cloud, and IoT Devices. IEEE Vehicular Technology Magazine, 2016, 11, 50-63.	3.4	48
68	Regulations and Standards for Wireless Power Transfer Systems. , 2016, , 161-181.		1
69	Performance improvement of rectifiers for WPT exploiting thermal energy harvesting. Wireless Power Transfer, 2015, 2, 22-31.	1.1	18
70	Rectenna Design and Signal Optimization for Electromagnetic Energy Harvesting and Wireless Power Transfer. IEICE Transactions on Electronics, 2015, E98.C, 608-612.	0.6	8
71	Boosting the Efficiency: Unconventional Waveform Design for Efficient Wireless Power Transfer. IEEE Microwave Magazine, 2015, 16, 87-96.	0.8	124
72	RFID. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2393-2393.	4.6	0

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73	A 2.45-GHz Energy-Autonomous Wireless Power Relay Node. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4511-4520.	4.6	20
74	3D/inkjet-printed origami antennas for multi-direction RF harvesting. , 2015, , .		24
75	Inkjet-printed meta-material inspired passive antenna sensor for UHF RFID systems. , 2015, , .		0
76	RF-energy harvesting and wireless power transfer efficiency from digitally modulated signals. , 2015, , .		9
77	Solar-Powered Wireless Temperature Sensor Based on UWB RFID With Self-Calibration. IEEE Sensors Journal, 2015, 15, 3764-3772.	4.7	13
78	EM characterization of a patch antenna with thermo-electric generator and Solar Cell for hybrid Energy Harvesting. , 2015, , .		10
79	22.8 GHz Substrate Integrated Waveguide Analog Frequency Divide-by-3 Circuit. IEEE Microwave and Wireless Components Letters, 2015, 25, 304-306.	3.2	1
80	A flexible hybrid printed RF energy harvester utilizing catalyst-based copper printing technologies for far-field RF energy harvesting applications. , 2015, , .		7
81	Energy-autonomous Bi-directional Wireless Power Transmission (WPT) and energy harvesting circuit. , 2015, , .		14
82	Cooperative integration of harvesting sections for passive RFID communication. , 2015, , .		1
83	A particle swarm optimizer for tuning a software-defined, highly configurable wireless power transfer platform. , 2015, , .		9
84	RFID-Based Wireless Passive Sensors Utilizing Cork Materials. IEEE Sensors Journal, 2015, 15, 7242-7251.	4.7	25
85	3D-Printed Origami Packaging With Inkjet-Printed Antennas for RF Harvesting Sensors. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4521-4532.	4.6	131
86	Cooperative Integration of Harvesting RF Sections for Passive RFID Communication. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4556-4566.	4.6	20
87	Low-Cost Inkjet-Printed Fully Passive RFID Tags for Calibration-Free Capacitive/Haptic Sensor Applications. IEEE Sensors Journal, 2015, 15, 3135-3145.	4.7	49
88	Novel inkjet printed modules for sensing, radar and energy harvesting applications. , 2014, , .		6
89	Design and optimization of an antenna with Thermo-Electric Generator (TEG) for autonomous wireless nodes. , 2014, , .		9
90	Dual-band rectifier based on resistance compression networks. , 2014, , .		19

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91	Substrate integrated waveguide aperture coupled patch antenna array for 24 GHz wireless backhaul and radar applications. , 2014, , .		4
92	Enhancement of RF Tag Backscatter Efficiency With Low-Power Reflection Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3562-3571.	4.6	38
93	Inkjet-printed “Zero-Power” wireless sensor and power management nodes for IoT and “Smart Skin” applications. , 2014, , .		1
94	An enhanced-range RFID tag using an ambient energy powered reflection amplifier. , 2014, , .		16
95	Dual-band electromagnetic energy harvester with resistance compression network. , 2014, , .		0
96	An RFID-enabled inkjet-printed soil moisture sensor on paper for “smart” agricultural applications. , 2014, , .		22
97	Passive UHF RFID enabled temperature sensor tag on cork substrate. , 2014, , .		7
98	Energy Harvesting and Scavenging [Scanning the Issue]. Proceedings of the IEEE, 2014, 102, 1644-1648.	21.3	41
99	A dual-band power amplifier based on composite right/left-handed matching networks. , 2014, , .		1
100	Dual-Band Resistance Compression Networks for Improved Rectifier Performance. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3512-3521.	4.6	201
101	Solar/EM energy harvester for autonomous operation of a monitoring sensor platform. Wireless Power Transfer, 2014, 1, 44-50.	1.1	25
102	The regulatory framework for wireless power transfer systems. Wireless Power Transfer, 2014, 1, 108-118.	1.1	23
103	A novel multilayered SIW filter with two mono-modal cavities and three poles. , 2014, , .		1
104	Optimized design of multiband and solar rectennas. , 2014, , .		7
105	Wireless Power Transmission: R&#amp;D Activities Within Europe. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1031-1045.	4.6	138
106	Electromagnetic energy harvesting-global information database. Transactions on Emerging Telecommunications Technologies, 2014, 25, 56-63.	3.9	15
107	Ambient RF Energy-Harvesting Technologies for Self-Sustainable Standalone Wireless Sensor Platforms. Proceedings of the IEEE, 2014, 102, 1649-1666.	21.3	547
108	Solar/Electromagnetic Energy Harvesting and Wireless Power Transmission. Proceedings of the IEEE, 2014, 102, 1712-1722.	21.3	74

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109	Energy harvesting for autonomous wireless sensors and RFID's. , 2014, , .		10
110	RFID tags on cork stoppers for bottle identification. , 2014, , .		6
111	Inkjet-printed “Zero-Power” wireless sensor and power management nodes for IoT and “Smart Skin” applications. , 2014, , .		2
112	Optimal Waveforms for Efficient Wireless Power Transmission. IEEE Microwave and Wireless Components Letters, 2014, 24, 354-356.	3.2	158
113	Spatial Power Combining of Multi-Sine Signals for Wireless Power Transmission Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1022-1030.	4.6	47
114	Evaluation of error vector magnitude due to combined IQ imbalances and phase noise. IET Circuits, Devices and Systems, 2014, 8, 421-426.	1.4	7
115	Inkjet-printed reflection amplifier for increased-range Backscatter radio. , 2014, , .		4
116	Low-cost inkjet-printed fully passive RFID tags using metamaterial-inspired antennas for capacitive sensing applications. , 2013, , .		22
117	Solar powered Class-E active antenna oscillator for wireless power transmission. , 2013, , .		14
118	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
119	Mechanically Tunable Substrate Integrated Waveguide (SIW) Cavity Based Oscillator. IEEE Microwave and Wireless Components Letters, 2013, 23, 489-491.	3.2	17
120	2\$,imes,\$2 Microstrip Patch Antenna Array Fed by Substrate Integrated Waveguide for Radar Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1287-1290.	4.0	24
121	Conformal Hybrid Solar and Electromagnetic (EM) Energy Harvesting Rectenna. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2225-2234.	5.4	187
122	Mode locked oscillator arrays for efficient wireless power transmission. , 2013, , .		4
123	Optimum behavior: Wireless power transmission system design through behavioral models and efficient synthesis techniques. IEEE Microwave Magazine, 2013, 14, 26-35.	0.8	111
124	No Battery Required: Perpetual RFID-Enabled Wireless Sensors for Cognitive Intelligence Applications. IEEE Microwave Magazine, 2013, 14, 66-77.	0.8	74
125	Thermal energy harvesting for power amplifiers. , 2013, , .		10
126	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

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127	Inkjet-printed antennas, sensors and circuits on paper substrate. IET Microwaves, Antennas and Propagation, 2013, 7, 858-868.	1.4	100
128	A Compact Dual-Band Rectenna Using Slot-Loaded Dual Band Folded Dipole Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1634-1637.	4.0	197
129	24 GHz substrate integrated waveguide (SIW) rectenna for energy harvesting and wireless power transmission. , 2013, , .		35
130	Inkjet-printed RFID-enabled sensors on paper for IoT and "Smart Skin" applications. , 2013, , .		10
131	RFID-Enabled Sensors and Technologies [From the Guest Editor's Desk]. IEEE Microwave Magazine, 2013, 14, 24-25.	0.8	0
132	UHF solar powered active oscillator antenna on low cost flexible substrate for wireless identification applications. , 2012, , .		18
133	Improving range of passive RFID tags utilizing energy harvesting and high efficiency class-E oscillators. , 2012, , .		32
134	An Inkjet-Printed Solar-Powered Wireless Beacon on Paper for Identification and Wireless Power Transmission Applications. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 4178-4186.	4.6	41
135	A 927 MHz solar powered active antenna oscillator beacon signal generator. , 2012, , .		5
136	Electromagnetic geo-referenced footprints for energy harvesting systems. , 2012, , .		4
137	Active substrate integrated waveguide (SIW) antenna with phase-shifterless beam-scanning capabilities. , 2012, , .		9
138	A retro-directive UHF RFID tag on paper substrate. , 2012, , .		12
139	X-band substrate integrated waveguide (SIW) active antenna self-oscillating mixer (SOM). , 2012, , .		3
140	A Compact, Single-Layer Substrate Integrated Waveguide (SIW) Cavity-Backed Active Antenna Oscillator. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 431-433.	4.0	35
141	Improving wireless power transmission efficiency using chaotic waveforms. , 2012, , .		80
142	Plastic-based Substrate Integrated Waveguide (SIW) components and antennas. , 2012, , .		19
143	DTV band micropower RF energy-harvesting circuit architecture and performance analysis. , 2011, , .		52
144	Flexible hybrid solar/EM energy harvester for autonomous sensors. , 2011, , .		18

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145	SWAP Project: Beyond the State of the Art on Harvested Energy-Powered Wireless Sensors Platform Design. , 2011, , .		9
146	A study of a reflectarray topology based on coupled oscillator arrays using Substrate Integrated Waveguide technology. , 2011, , .		3
147	A tolerance study on 30 GHz planar filters based on Substrate Integrated Waveguide technology. , 2011, , .		4
148	Review of substrate-integrated waveguide circuits and antennas. IET Microwaves, Antennas and Propagation, 2011, 5, 909.	1.4	1,048
149	Editorial: RF/Microwave Communication Subsystems for Emerging Wireless Technologies. IET Microwaves, Antennas and Propagation, 2011, 5, 861.	1.4	1
150	Rectenna design and optimization using reciprocity theory and harmonic balance analysis for electromagnetic (EM) energy harvesting. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 444-446.	4.0	169
151	Efficient design of SIW filters by using equivalent circuit models and calibrated space-mapping optimization. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 689-698.	1.2	16
152	Nonlinear analysis and synthesis of distributed voltage controlled oscillators. International Journal of Microwave and Wireless Technologies, 2010, 2, 159-163.	1.9	2
153	Nonlinear analysis and optimization of a Distributed Voltage Controlled Oscillator for Cognitive Radio. , 2010, , .		6
154	Experimental investigation of distributed detection using a sensor network based on coupled oscillator arrays. , 2010, , .		0
155	Performance of Coupled-Oscillator Arrays With Angle-Modulated Injection Signals. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2343-2352.	5.4	4
156	COST Action IC0803 RF/microwave communication subsystems for emerging wireless technologies (RFCSET). International Journal of Microwave and Wireless Technologies, 2010, 2, 143-144.	1.9	0
157	Tunable SIW cavity backed active antenna oscillator. Electronics Letters, 2010, 46, 1053.	1.0	69
158	Design of a 2.45 GHz rectenna for electromagnetic (EM) energy scavenging. , 2010, , .		68
159	An X band, compact active cavity backed patch oscillator antenna using a substrate integrated waveguide (SIW) resonator. , 2010, , .		3
160	Active reconfigurable reflectarray based on voltage-controlled oscillators. , 2010, , .		4
161	Stability Optimization of the Coupled Oscillator Array Steady State Solution. IEEE Transactions on Antennas and Propagation, 2010, 58, 608-612.	5.1	2
162	Patents on Reconfigurable Reflectarray Antennas. Recent Patents on Electrical Engineering, 2009, 2, 19-26.	0.4	7

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163	A reduced order model for the nonlinear analysis of coupled oscillator arrays with external injection locking. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
164	Coupled Oscillator systems for Microwave Applications: Optimized Design Based on the Study and Control of the Multiple Coexisting Solutions in Systems with Symmetry. Studies in Computational Intelligence, 2009, , 367-398.	0.9	1
165	Novel Multi-Antenna and Smart Antenna Techniques for Next Generation Wireless Communication Networks. , 2009, , 299-320.		0
166	A linear, low-power, wideband CMOS VCO for FM-UWB applications. Microwave and Optical Technology Letters, 2008, 50, 1955-1958.	1.4	12
167	A Model for Stability, Noise, and Angle Modulation Analysis of Injection-Locked Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 826-834.	4.6	3
168	Combined effects of finite diversity switch isolation and antenna mutual coupling on spatial diversity. IEEE Antennas and Propagation Magazine, 2008, 50, 221-226.	1.4	0
169	Mode control in triple-push oscillator architectures. , 2008, , .		1
170	Nonlinear Mode Analysis and Optimization of a Triple-Push Oscillator. IEEE Microwave and Wireless Components Letters, 2008, 18, 545-547.	3.2	6
171	Nonlinear analysis of a reflectarray cell based on a voltage-controlled oscillator. , 2008, , .		8
172	Design of Coupled Oscillator Arrays for Second Harmonic Radiation. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	4
173	Pattern Nulling in Coupled Oscillator Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2007, 55, 1267-1274.	5.1	14
174	A Convex Optimization Method for Constrained Beam-Steering in Planar (2-D) Coupled Oscillator Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2007, 55, 2925-2928.	5.1	2
175	Injection Locked Coupled Oscillator Arrays. IEEE Microwave and Wireless Components Letters, 2007, 17, 900-902.	3.2	8
176	The effect of mutual coupling on the correlation of spatial diversity schemes using conformal antennas. , 2007, , .		1
177	Nonlinear Synthesis of a Linear Active Oscillator Antenna Array Using Harmonic Balance and EM Simulation. , 2006, , .		1
178	AC-coupling and 1/f noise effects on baseband OFDM signals. IEEE Transactions on Communications, 2006, 54, 1806-1814.	7.8	5
179	New Techniques for the Analysis and Design of Coupled-Oscillator Systems. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3864-3877.	4.6	38
180	Optimized Design of Retro-Directive Arrays Based on Self-Oscillating Mixers using Harmonic-Balance and Conversion-Matrix Techniques. , 2006, , .		1

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181	Gain, Phase Imbalance, and Phase Noise Effects on Error Vector Magnitude. IEEE Transactions on Vehicular Technology, 2004, 53, 443-449.	6.3	196
182	On Antenna Array Design Using Orthogonal Modes. IEEE Transactions on Antennas and Propagation, 2004, 52, 1905-1909.	5.1	4
183	Context analysis. , 0, , 1-16.		0