

Sangwook Nam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

2,768
citations

29
h-index

48
g-index

176
ext. papers

3,432
ext. citations

3.3
avg, IF

5.32
L-index

#	Paper	IF	Citations
146	Evolvable Skin Electronics by In Situ and In Operando Adaptation (Adv. Funct. Mater. 4/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270029	15.6	1
145	Low-Spurious Wideband DDS-Based Ku-Band Chirp Generator for Short-Range Radar Application. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	
144	Correction to Spherical Mode-Based Analysis of Wireless Power Transfer Between Two Antennas□ <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
143	A Novel Reflection-Type Polarization Convertor Design Using Connected Orthogonal Tightly Coupled Dipole Arrays. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
142	High-Efficiency Dielectric Reflectarray Antennas With Ultra-Wideband Characteristics. <i>IEEE Access</i> , 2021 , 9, 152075-152081	3.5	1
141	Performance Improvement of LC-based Beam Steering Leaky Wave Holographic Antenna using Decoupling Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
140	Optimized Transmitting Sources for Radiative-Wireless Power Transmission with Lossy Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
139	Transmission Enhancement Methods for Low-Emissivity Glass at 5G mmWave Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 108-112	3.8	2
138	Extremely low-profile wideband array antenna using TCDA with polarization convertor. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 959-964	1.2	2
137	Characteristics of TCDA With Polarization Converting Ground Plane. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2359-2364	4.9	4
136	Ultra-Wideband and Wide-Angle Insensitive Absorber Based on TCDA-Under-Tightly Coupled Dipole Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5682-5690	4.9	7
135	28 GHz metal cavity-backed twin arc slot antenna for high efficiency and thermal management. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 3576-3580	1.2	1
134	W-Band Low Phase Sensitivity Reflectarray Antennas With Wideband Characteristics Considering the Effect of Angle of Incidence. <i>IEEE Access</i> , 2020 , 8, 111064-111073	3.5	7
133	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7179-7183	4.9	8
132	Optimization of Microwave Wireless Power Transmission With Specific Absorption Rate Constraint for Human Safety. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7721-7726	4.9	0
131	Analysis and Elimination of Unwanted Resonances for Wideband Reflectarray Antenna Design at Sub-Millimeter Waves. <i>IEEE Access</i> , 2020 , 8, 224750-224760	3.5	2
130	Performance Enhancement of 5G Millimeter Wave Antenna Module Integrated Tablet Device. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 1-1	4.9	2

129	Mechanism and Elimination of Scan Blindness in a T-Printed Dipole Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 242-253	4.9	8
128	2020 ,		1
127	79 GHz Active Array FMCW Radar System on Low-Cost FR-4 Substrates. <i>IEEE Access</i> , 2020 , 8, 213854-213865	3.5	3
126	Microstrip array antenna bandwidth enhancement using reactive surface. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 825-829	1.2	1
125	Efficiency Bound of Radiative Wireless Power Transmission Using Practical Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5750-5755	4.9	8
124	FDTD Simulation of Three-Wave Scattering Process in Time-Varying Cold Plasma Sheath. <i>IEEE Access</i> , 2019 , 7, 106713-106720	3.5	5
123	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5305-5312	4.9	6
122	Electronically beamsteerable sinusoidally modulated reactance surface antenna. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 13	0.8	1
121	Determination of the Impedance Parameters of Antennas and the Maximum Power Transfer Efficiency of Wireless Power Transfer. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5132-5144	4.9	1
120	Beam Steering of a Multi-Port Chassis Antenna Using the Least Squares Method and Theory of Characteristic Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5684-5688	4.9	1
119	A Compact and Wideband Linear Array Antenna With Low Mutual Coupling. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5695-5699	4.9	21
118	Cylindrical Tightly Coupled Dipole Array Antenna. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2019 , 19, 122-129	2.3	4
117	Design of W-band Wideband Low Phase Sensitivity Dual-Reflectarray Antenna with Beam Steering. <i>The Journal of Korean Institute of Information Technology</i> , 2019 , 17, 61-68	0.2	
116	7-Bit Multilayer True-Time Delay up to 1016ps for Wideband Phased Array Antenna. <i>IEICE Transactions on Electronics</i> , 2019 , E102.C, 622-626	0.4	
115	A 0.4-1.2GHz Reconfigurable CMOS Power Amplifier for 802.11ah/af Applications. <i>IEICE Transactions on Electronics</i> , 2019 , E102.C, 91-94	0.4	0
114	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1076-1085	4.9	34
113	A Two-Stage S/X-Band CMOS Power Amplifier for High-Resolution Radar Transceivers. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 606-608	2.6	9
112	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2479-2483	3.8	3

111	Mutual Coupling Compensation in Receive-Mode Antenna Array Based on Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7434-7438	4.9	4
110	A Wall-Clutter Rejection Technique Using Two PLLs and a Phase Controller for Wall-Penetrating FMCW Radar. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 471-474	4.1	2
109	Design of a low-profile 2 to 6 GHz circular polarized single arm hexagonal spiral array antenna 2017 ,		3
108	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4511-4518	4.9	17
107	A Wideband Noise-Cancelling Receiver Front-End Using a Linearized Transconductor. <i>IEICE Transactions on Electronics</i> , 2017 , E100.C, 340-343	0.4	1
106	Isolation enhanced multiway power divider for wideband (3:1) beamforming array 2016 ,		1
105	A Low-Phase-Noise 77-GHz FMCW Radar Transmitter With a 12.8-GHz PLL and a $\times 6$ Frequency Multiplier. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 540-542	2.6	16
104	An Adaptively Biased Class-C VCO With a Self-Turn-Off Auxiliary Class-B Pair for Fast and Robust Startup. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 34-36	2.6	8
103	A Two-Stage Broadband Fully Integrated CMOS Linear Power Amplifier for LTE Applications. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016 , 63, 533-537	3.5	15
102	Isolation Enhanced Multiway Power Divider for Wideband (4:1) Beamforming Arrays. <i>IEICE Transactions on Electronics</i> , 2016 , E99.C, 1327-1330	0.4	1
101	1 GHz Pentacene Diode Rectifiers Enabled by Controlled Film Deposition on SAM-Treated Au Anodes. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500282	6.4	39
100	Modeling stepped U-slot DGS microstrip line. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 583-587		
99	Bioresorbable Electronic Stent Integrated with Therapeutic Nanoparticles for Endovascular Diseases. <i>ACS Nano</i> , 2015 , 9, 5937-46	16.7	158
98	A Transconductor and Tunable G_m -C High-Pass Filter Linearization Technique Using Feedforward G_m Canceling. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 1058-1062	3.5	10
97	A 77-GHz FMCW Radar System Using On-Chip Waveguide Feeders in 65-nm CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3736-3746	4.1	27
96	A dual-band FMCW radar for through-wall detection 2015 ,		3
95	Millimeter-wave slot array antenna using SIW and electroforming techniques 2015 ,		1
94	A 13 GHz 3:2 transformer based linear transconductance VCO 2015 ,		2

93	Road clutter spectrum of BSD FMCW automotive radar 2015 ,		4
92	Folded Cavity-Backed Crossed-Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 36-39	3.8	13
91	Correction to Determination of the Generalized Scattering Matrix of an Antenna From Characteristic Modes [Sep 13 4848-4852]. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 876-876	4.9	
90	A modeling method for dumbbell-shaped DGS and its parameter extraction. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2910-2913	1.2	1
89	500 MHz OOK Transmitter With 22 pj/bit, 38.4% Efficiency Using RF Current Combining. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 424-426	2.6	3
88	A dual band CMOS power amplifier for an S/X band high resolution radar system 2014 ,		5
87	Spherical Mode-Based Analysis of Wireless Power Transfer Between Two Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3054-3063	4.9	5
86	Compact UHF 3 dB MCCT Power Dividers. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 445-447	2.6	9
85	Mutual coupling analysis of antennas in layered media through equivalent sources for wireless power transfer 2014 ,		3
84	3-dB Power Dividers With Equal Complex Termination Impedances and Design Methods for Controlling Isolation Circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3872-3883	4.1	21
83	Determination of the Generalized Scattering Matrix of an Antenna From Characteristic Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4848-4852	4.9	7
82	Compact Microstrip 3-dB Coupled-Line Ring and Branch-Line Hybrids With New Symmetric Equivalent Circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 1067-1078	4.1	50
81	Wideband Microstrip Coupled-Line Ring Hybrids for High Power-Division Ratios. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 1768-1780	4.1	35
80	A low-power 77 GHz transceiver for automotive radar system in 65 nm CMOS technology 2013 ,		5
79	Extended Mode-Based Bandwidth Analysis for Asymmetric Near-Field Communication Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 421-424	4.9	6
78	Design Method for Butterworth Bandpass Filters With Even Number of Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 1549-1559	4.1	4
77	A Series Slot Array Antenna for 45 $^{\circ}$ -Inclined Linear Polarization With SIW Technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 1785-1795	4.9	32
76	Bandwidth Enhancement of Cavity-Backed Slot Antenna Using a Via-Hole Above the Slot. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1092-1095	3.8	64

75	Low-Power CMOS Super-Regenerative Receiver With a Digitally Self-Quenching Loop. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 486-488	2.6	28
74	Bandwidth and Efficiency Enhancement of Cavity-Backed Slot Antenna Using a Substrate Removal. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1458-1461	3.8	48
73	Simple efficient resonant coupling wireless power transfer system operating at varying distances between antennas. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 2397-2401	1.2	1
72	Challenges and directions of ultra low energy wireless sensor nodes for biosignal monitoring 2012 ,		4
71	Wideband Coupled-Line Microstrip Filters With High-Impedance Short-Circuited Stubs. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 586-588	2.6	14
70	Design of a 45°-Inclined SIW Resonant Series Slot Array Antenna for Ka-Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 318-321	3.8	25
69	Short-Time Fourier Transform of Deeply Located Tunnel Signatures Measured by Cross-Borehole Pulse Radar. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011 , 8, 493-496	4.1	14
68	A wideband spiral antenna for ingestible capsule endoscope systems: experimental results in a human phantom and a pig. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 1734-41	5	98
67	A Crosstalk Reduction Technique for Microstrip MTL Using Mode Velocity Equalization. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2011 , 53, 366-371	2	3
66	New Design Formulas for Impedance-Transforming 3-dB Marchand Baluns. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2816-2823	4.1	44
65	Mode-Based Estimation of 3 dB Bandwidth for Near-Field Communication Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3131-3135	4.9	4
64	The Optimum Operating Frequency for Near-Field Coupled Small Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 1027-1031	4.9	9
63	Mode-Based Computation Method of Channel Characteristics for a Near-Field MIMO. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1170-1173	3.8	5
62	Multi-Slot Main Memory System for Post DDR3. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 334-338	3.5	4
61	Characterization of embroidered inductors. <i>Smart Materials and Structures</i> , 2010 , 19, 115020	3.4	18
60	Embroidered Wearable Multiresonant Folded Dipole Antenna for FM Reception. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 803-806	3.8	68
59	Fundamental Aspects of Near-Field Coupling Small Antennas for Wireless Power Transfer. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3442-3449	4.9	92
58	Design of OOK system for wireless capsule endoscopy 2010 ,		10

57	Self-Calibrated Two-Point DeltaSigma Modulation Technique for RF Transmitters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1748-1757	4.1	21
56	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 1135-1138	3.8	67
55	Architecture of a multi-slot main memory system for 3.2 Gbps operation 2010 ,		2
54	A CMOS Outphasing Power Amplifier With Integrated Single-Ended Chireix Combiner. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 411-415	3.5	21
53	Estimation of the penetration angle of a man-made tunnel using time of arrival measured by short-pulse cross-borehole radar. <i>Geophysics</i> , 2010 , 75, J11-J18	3.1	11
52	A CMOS Class-E Power Amplifier With Voltage Stress Relief and Enhanced Efficiency. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 310-317	4.1	48
51	An efficient CMOS power-combining technique with differential and single-ended power amplifier. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2214-2217	1.2	1
50	Mode-Based Analysis of Resonant Characteristics for Near-Field Coupled Small Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 1238-1241	3.8	49
49	A high-efficiency power amplifier using multilevel digital pulse modulation. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 1921-1924	1.2	4
48	A 29 dBm CMOS class-E power amplifier with 63% PAE using negative capacitance 2009 ,		2
47	Effective Area of a Receiving Antenna in a Lossy Medium. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1843-1845	4.9	15
46	A novel wide-band envelope detector 2008 ,		6
45	Fast RSSI circuit using novel power detector for wireless communication 2008 ,		2
44	EQS Evaluation of Antennas in an Electrically Conductive Medium. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 2116-2120	4.9	1
43	An Inductorless CMOS 0.1-1GHz Automatic Gain Control Circuit 2008 ,		5
42	Triband branch line coupler using double-Lorentz transmission lines. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1174-1177	1.2	5
41	Q Evaluation of Small Insulated Antennas in a Lossy Medium and Practical Radiation Efficiency Estimation 2007 ,		6
40	60-GHz CPW-fed dielectric-resonator-above-patch (DRAP) antenna for broadband WLAN applications using micromachining technology. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1859-1861 ¹⁶	1.2	16

39	High-Efficiency Power Amplifier Using Novel Dynamic Bias Switching. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 690-696	4.1	13
38	Time-Domain Electromagnetic Fields Radiating Along the Horizontal Interface Between Vertically Uniaxial Half-Space Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 1305-1317	4.9	4
37	Hot-Switching Test of Non-Contact Type MEMS Switch. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , 2007 ,		2
36	Design of a Novel Harmonic-Suppressed Microstrip Low-Pass Filter. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 424-426	2.6	38
35	Low Power OOK Transmitter for Wireless Capsule Endoscope 2007 ,		11
34	A power re-use technique for improved efficiency of pulsed oscillating amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 567-569	2.6	4
33	Protecting the method of auxiliary sources (MAS) solutions from the interior resonance problem. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 186-188	2.6	5
32	Design of low-pass filters using defected ground structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 2539-2545	4.1	130
31	Microwave dielectric relaxation of the polycrystalline (Ba,Sr)TiO ₃ thin films. <i>Applied Physics Letters</i> , 2005 , 86, 182904	3.4	15
30	A novel high-efficiency linear transmitter using injection-locked pulsed oscillator. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 214-216	2.6	13
29	A new phase noise reduction method of oscillator by loaded Q improvement using dual feedback topology. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 39-41	2.6	8
28	High-Q active resonators using amplifiers and their applications to low phase-noise free-running and voltage-controlled oscillators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 2621-2626	4.1	24
27	A novel EER structure for reducing complexity using negative resistance amplifier. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 195-197	2.6	1
26	A new method to suppress harmonics using $\lambda/4$ bias line combined by defected ground structure in power amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 538-540	2.6	29
25	Efficiency enhancement of microstrip antenna by elevating radiating edges of patch. <i>Electronics Letters</i> , 2003 , 39, 1363	1.1	8
24	Effect of crystallinity on the dielectric loss of sputter-deposited (Ba,Sr)TiO ₃ thin films in the microwave range. <i>Journal of Materials Research</i> , 2003 , 18, 682-686	2.5	9
23	A compact-size microstrip spiral resonator and its application to microwave oscillator. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 375-377	2.6	72
22	A phase noise reduction technique in microwave oscillator using high-Q active filter. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 426-428	2.6	12

21	Design of lowpass filters using defected ground structure and compensated microstrip line. <i>Electronics Letters</i> , 2002 , 38, 1357	1.1	83
20	Equivalent circuit modelling of spiral defected ground structure for microstrip line. <i>Electronics Letters</i> , 2002 , 38, 1109	1.1	55
19	A New Type of Low Pass Filter With Defected Ground Structure 2002 ,		17
18	A novel phase noise reduction technique in oscillators using defected ground structure. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 39-41	2.6	56
17	Application of defected ground structure in reducing the size of amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 261-263	2.6	96
16	A vertically periodic defected ground structure and its application in reducing the size of microwave circuits. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 479-481	2.6	34
15	A spiral-shaped defected ground structure for coplanar waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 330-332	2.6	88
14	A new design approach for an injection-locked oscillator with an enhanced locking range. <i>Microwave and Optical Technology Letters</i> , 2001 , 31, 325-327	1.2	0
13	Prediction of a CDMA output spectrum based on intermodulation products of two-tone test. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 938-946	4.1	23
12	An iterative FEM for scattering by a 3-D cavity-backed aperture. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 2147-2151	4.1	5
11	A 4.1 unequal Wilkinson power divider. <i>IEEE Microwave and Wireless Components Letters</i> , 2001 , 11, 124-126		151
10	A power amplifier with efficiency improved using defected ground structure. <i>IEEE Microwave and Wireless Components Letters</i> , 2001 , 11, 170-172	2.6	63
9	Design of 10 dB 90° branch line coupler using microstrip line with defected ground structure. <i>Electronics Letters</i> , 2000 , 36, 1784	1.1	69
8	Adaptive predistorter for power amplifier based on real-time estimation of envelope transfer characteristics. <i>Electronics Letters</i> , 1999 , 35, 2167	1.1	9
7	High-efficiency harmonic loaded oscillator with low bias using a nonlinear design approach. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 1670-1679	4.1	23
6	A general rigorous analysis of arbitrary-shaped multiaperture-coupled directional coupler between two dissimilar rectangular waveguides crossing with an arbitrary angle. <i>Microwave and Optical Technology Letters</i> , 1998 , 18, 43-46	1.2	5
5	Rapid summation of the Green's function for the rectangular waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1998 , 46, 2164-2166	4.1	11
4	An accurate broadband measurement of substrate dielectric constant 1996 , 6, 168-170		73

- 3 Efficient calculation of the Green's function in rectangular waveguides 4
- 2 A technique for reducing the size of amplifiers using defected ground structure 1
- 1 Evolvable Skin Electronics by In Situ and In Operando Adaptation. *Advanced Functional Materials*, 2106329, 2015, 5.6 7