

# Sangwook Nam

## List of Publications by Year in descending order

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175  
papers

3,906  
citations

126708

33  
h-index

149479

56  
g-index

176  
all docs

176  
docs citations

176  
times ranked

3136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioresorbable Electronic Stent Integrated with Therapeutic Nanoparticles for Endovascular Diseases. ACS Nano, 2015, 9, 5937-5946.	7.3	203
2	A 4.1 unequal Wilkinson power divider. IEEE Microwave and Wireless Components Letters, 2001, 11, 124-126.	2.0	195
3	Design of low-pass filters using defected ground structure. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 2539-2545.	2.9	193
4	A Wideband Spiral Antenna for Ingestible Capsule Endoscope Systems: Experimental Results in a Human Phantom and a Pig. IEEE Transactions on Biomedical Engineering, 2011, 58, 1734-1741.	2.5	137
5	Application of defected ground structure in reducing the size of amplifiers. IEEE Microwave and Wireless Components Letters, 2002, 12, 261-263.	2.0	130
6	A spiral-shaped defected ground structure for coplanar waveguide. IEEE Microwave and Wireless Components Letters, 2002, 12, 330-332.	2.0	118
7	Design of lowpass filters using defected ground structure and compensated microstrip line. Electronics Letters, 2002, 38, 1357.	0.5	117
8	Fundamental Aspects of Near-Field Coupling Small Antennas for Wireless Power Transfer. IEEE Transactions on Antennas and Propagation, 2010, 58, 3442-3449.	3.1	115
9	An accurate broadband measurement of substrate dielectric constant. , 1996, 6, 168-170.		108
10	Bandwidth Enhancement of Cavity-Backed Slot Antenna Using a Via-Hole Above the Slot. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1092-1095.	2.4	103
11	A power amplifier with efficiency improved using defected ground structure. IEEE Microwave and Wireless Components Letters, 2001, 11, 170-172.	2.0	95
12	Design of 10 dB 90° branch line coupler using microstrip line with defected ground structure. Electronics Letters, 2000, 36, 1784.	0.5	90
13	Outer-Wall Loop Antenna for Ultrawideband Capsule Endoscope System. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1135-1138.	2.4	88
14	A compact-size microstrip spiral resonator and its application to microwave oscillator. IEEE Microwave and Wireless Components Letters, 2002, 12, 375-377.	2.0	87
15	Equivalent circuit modelling of spiral defected ground structure for microstrip line. Electronics Letters, 2002, 38, 1109.	0.5	79
16	Embroidered Wearable Multiresonant Folded Dipole Antenna for FM Reception. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 803-806.	2.4	79
17	A novel phase noise reduction technique in oscillators using defected ground structure. IEEE Microwave and Wireless Components Letters, 2002, 12, 39-41.	2.0	76
18	Bandwidth and Efficiency Enhancement of Cavity-Backed Slot Antenna Using a Substrate Removal. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1458-1461.	2.4	76

#	ARTICLE	IF	CITATIONS
19	Compact Microstrip 3-dB Coupled-Line Ring and Branch-Line Hybrids With New Symmetric Equivalent Circuits. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1067-1078.	2.9	70
20	A CMOS Class-E Power Amplifier With Voltage Stress Relief and Enhanced Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 310-317.	2.9	59
21	Low-Power CMOS Super-Regenerative Receiver With a Digitally Self-Quenching Loop. IEEE Microwave and Wireless Components Letters, 2012, 22, 486-488.	2.0	58
22	Mode-Based Analysis of Resonant Characteristics for Near-Field Coupled Small Antennas. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1238-1241.	2.4	56
23	New Design Formulas for Impedance-Transforming 3-dB Marchand Baluns. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2816-2823.	2.9	56
24	Systematic Design of a Multiport MIMO Antenna With Bilateral Symmetry Based on Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2018, 66, 1076-1085.	3.1	53
25	A vertically periodic defected ground structure and its application in reducing the size of microwave circuits. IEEE Microwave and Wireless Components Letters, 2002, 12, 479-481.	2.0	49
26	1 GHz Pentacene Diode Rectifiers Enabled by Controlled Film Deposition on SAM-Treated Au Anodes. Advanced Electronic Materials, 2016, 2, 1500282.	2.6	48
27	Design of a Novel Harmonic-Suppressed Microstrip Low-Pass Filter. IEEE Microwave and Wireless Components Letters, 2007, 17, 424-426.	2.0	45
28	A Compact and Wideband Linear Array Antenna With Low Mutual Coupling. IEEE Transactions on Antennas and Propagation, 2019, 67, 5695-5699.	3.1	43
29	Wideband Microstrip Coupled-Line Ring Hybrids for High Power-Division Ratios. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1768-1780.	2.9	41
30	A new method to suppress harmonics using $\lambda/4$ bias line combined by defected ground structure in power amplifiers. IEEE Microwave and Wireless Components Letters, 2003, 13, 538-540.	2.0	38
31	Design of a 45°-Inclined SIW Resonant Series Slot Array Antenna for Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 318-321.	2.4	38
32	A Series Slot Array Antenna for 45°-Inclined Linear Polarization With SIW Technology. IEEE Transactions on Antennas and Propagation, 2012, 60, 1785-1795.	3.1	38
33	A 77-GHz FMCW Radar System Using On-Chip Waveguide Feeders in 65-nm CMOS. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3736-3746.	2.9	34
34	High-efficiency harmonic loaded oscillator with low bias using a nonlinear design approach. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 1670-1679.	2.9	33
35	High-Q Active Resonators Using Amplifiers and Their Applications to Low Phase-Noise Free-Running and Voltage-Controlled Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 2621-2626.	2.9	33
36	Self-Calibrated Two-Point Delta-Sigma Modulation Technique for RF Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1748-1757.	2.9	32

#	ARTICLE	IF	CITATIONS
37	A Low-Phase-Noise 77-GHz FMCW Radar Transmitter With a 12.8-GHz PLL and a $\times 6$ Frequency Multiplier. IEEE Microwave and Wireless Components Letters, 2016, 26, 540-542.	2.0	31
38	Prediction of a CDMA output spectrum based on intermodulation products of two-tone test. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 938-946.	2.9	30
39	3-dB Power Dividers With Equal Complex Termination Impedances and Design Methods for Controlling Isolation Circuits. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3872-3883.	2.9	28
40	A New Type of Low Pass Filter With Defected Ground Structure. , 2002, , .		26
41	A CMOS Outphasing Power Amplifier With Integrated Single-Ended Chireix Combiner. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 411-415.	2.2	26
42	A Dual-Polarized 1-D Tightly Coupled Dipole Array Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 4511-4518.	3.1	26
43	Effective Area of a Receiving Antenna in a Lossy Medium. IEEE Transactions on Antennas and Propagation, 2009, 57, 1843-1845.	3.1	23
44	Characterization of embroidered inductors. Smart Materials and Structures, 2010, 19, 115020.	1.8	22
45	Short-Time Fourier Transform of Deeply Located Tunnel Signatures Measured by Cross-Borehole Pulse Radar. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 493-496.	1.4	22
46	A Two-Stage Broadband Fully Integrated CMOS Linear Power Amplifier for LTE Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 533-537.	2.2	22
47	Evolvable Skin Electronics by In Situ and In Operando Adaptation. Advanced Functional Materials, 2022, 32, 2106329.	7.8	21
48	60-GHz CPW-fed dielectric-resonator-above-patch (DRAP) antenna for broadband WLAN applications using micromachining technology. Microwave and Optical Technology Letters, 2007, 49, 1859-1861.	0.9	20
49	Rapid summation of the Green's function for the rectangular waveguide. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 2164-2166.	2.9	18
50	A phase noise reduction technique in microwave oscillator using high-Q active filter. IEEE Microwave and Wireless Components Letters, 2002, 12, 426-428.	2.0	18
51	Low Power OOK Transmitter for Wireless Capsule Endoscope. , 2007, , .		18
52	Microwave dielectric relaxation of the polycrystalline (Ba,Sr)TiO <sub>3</sub> thin films. Applied Physics Letters, 2005, 86, 182904.	1.5	17
53	Ultra-Wideband and Wide-Angle Insensitive Absorber Based on TCDA-Under-Tightly Coupled Dipole Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5682-5690.	3.1	17
54	High-Efficiency Power Amplifier Using Novel Dynamic Bias Switching. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 690-696.	2.9	16

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55	A novel wide-band envelope detector. , 2008, , .		16
56	Wideband Coupled-Line Microstrip Filters With High-Impedance Short-Circuited Stubs. IEEE Microwave and Wireless Components Letters, 2011, 21, 586-588.	2.0	16
57	Folded Cavity-Backed Crossed-Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 36-39.	2.4	16
58	A novel high-efficiency linear transmitter using injection-locked pulsed oscillator. IEEE Microwave and Wireless Components Letters, 2005, 15, 214-216.	2.0	15
59	A Transconductor and Tunable $G_{m}$ -C High-Pass Filter Linearization Technique Using Feedforward $G_{m3}$ Canceling. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 1058-1062.	2.2	15
60	Efficiency Bound of Radiative Wireless Power Transmission Using Practical Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 5750-5755.	3.1	15
61	Compact Ultrawideband Antenna on Folded Ground Plane. IEEE Transactions on Antennas and Propagation, 2020, 68, 7179-7183.	3.1	15
62	Estimation of the penetration angle of a man-made tunnel using time of arrival measured by short-pulse cross-borehole radar. Geophysics, 2010, 75, J11-J18.	1.4	14
63	W-Band Low Phase Sensitivity Reflectarray Antennas With Wideband Characteristics Considering the Effect of Angle of Incidence. IEEE Access, 2020, 8, 111064-111073.	2.6	14
64	Transmission Enhancement Methods for Low-Emissivity Glass at 5G mmWave Band. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 108-112.	2.4	14
65	Design of OOK system for wireless capsule endoscopy. , 2010, , .		13
66	The Optimum Operating Frequency for Near-Field Coupled Small Antennas. IEEE Transactions on Antennas and Propagation, 2011, 59, 1027-1031.	3.1	12
67	A Two-Stage $S/X$ Band CMOS Power Amplifier for High-Resolution Radar Transceivers. IEEE Microwave and Wireless Components Letters, 2018, 28, 606-608.	2.0	12
68	Compact UHF 3 dB MCCT Power Dividers. IEEE Microwave and Wireless Components Letters, 2014, 24, 445-447.	2.0	11
69	An Adaptively Biased Class-C VCO With a Self-Turn-Off Auxiliary Class-B Pair for Fast and Robust Startup. IEEE Microwave and Wireless Components Letters, 2016, 26, 34-36.	2.0	11
70	Mechanism and Elimination of Scan Blindness in a T-Printed Dipole Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 242-253.	3.1	11
71	Adaptive predistorter for power amplifier based on real-time estimation of envelope transfer characteristics. Electronics Letters, 1999, 35, 2167.	0.5	10
72	A technique for reducing the size of amplifiers using defected ground structure. , 0, , .		10

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73	Bandwidth Extension of Dual-Polarized 1-D TCDA Antenna Using VMS. IEEE Transactions on Antennas and Propagation, 2019, 67, 5305-5312.	3.1	10
74	Characteristics of TCDA With Polarization Converting Ground Plane. IEEE Transactions on Antennas and Propagation, 2021, 69, 2359-2364.	3.1	10
75	Performance Enhancement of 5G Millimeter Wave Antenna Module Integrated Tablet Device. IEEE Transactions on Antennas and Propagation, 2021, 69, 3800-3810.	3.1	10
76	Efficiency enhancement of microstrip antenna by elevating radiating edges of patch. Electronics Letters, 2003, 39, 1363.	0.5	9
77	Effect of crystallinity on the dielectric loss of sputter-deposited (Ba,Sr)TiO <sub>3</sub> thin films in the microwave range. Journal of Materials Research, 2003, 18, 682-686.	1.2	9
78	A new phase noise reduction method of oscillator by loaded Q improvement using dual feedback topology. IEEE Microwave and Wireless Components Letters, 2005, 15, 39-41.	2.0	9
79	Protecting the method of auxiliary sources (MAS) solutions from the interior resonance problem. IEEE Microwave and Wireless Components Letters, 2005, 15, 186-188.	2.0	9
80	Extended Mode-Based Bandwidth Analysis for Asymmetric Near-Field Communication Systems. IEEE Transactions on Antennas and Propagation, 2012, 60, 421-424.	3.1	9
81	Road clutter spectrum of BSD FMCW automotive radar. , 2015, , .		9
82	Determination of the Generalized Scattering Matrix of an Antenna From Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2013, 61, 4848-4852.	3.1	8
83	Mutual Coupling Compensation in Receive-Mode Antenna Array Based on Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2018, 66, 7434-7438.	3.1	8
84	Performance Improvement of LC-Based Beam-Steering Leaky-Wave Holographic Antenna Using Decoupling Structure. IEEE Transactions on Antennas and Propagation, 2022, 70, 2431-2438.	3.1	8
85	Q Evaluation of Small Insulated Antennas in a Lossy Medium and Practical Radiation Efficiency Estimation. , 2007, , .		7
86	Triband branch line coupler using double-Lorentz transmission lines. Microwave and Optical Technology Letters, 2008, 50, 1174-1177.	0.9	7
87	An Inductorless CMOS 0.1-1GHz Automatic Gain Control Circuit. , 2008, , .		7
88	A Crosstalk Reduction Technique for Microstrip MTL Using Mode Velocity Equalization. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 366-371.	1.4	7
89	500 MHz OOK Transmitter With 22 pj/bit, 38.4% Efficiency Using RF Current Combining. IEEE Microwave and Wireless Components Letters, 2014, 24, 424-426.	2.0	7
90	A dual band CMOS power amplifier for an S/X band high resolution radar system. , 2014, , .		7

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91	FDTD Simulation of Three-Wave Scattering Process in Time-Varying Cold Plasma Sheath. IEEE Access, 2019, 7, 106713-106720.	2.6	7
92	79 GHz Active Array FMCW Radar System on Low-Cost FR-4 Substrates. IEEE Access, 2020, 8, 213854-213865.	2.6	7
93	Efficient calculation of the Green's function in rectangular waveguides. , 0, , .		6
94	Mode-Based Computation Method of Channel Characteristics for a Near-Field MIMO. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1170-1173.	2.4	6
95	Challenges and directions of ultra low energy wireless sensor nodes for biosignal monitoring. , 2012, , .		6
96	Spherical Mode-Based Analysis of Wireless Power Transfer Between Two Antennas. IEEE Transactions on Antennas and Propagation, 2014, 62, 3054-3063.	3.1	6
97	A 13 GHz 3:2 transformer based linear transconductance VCO. , 2015, , .		6
98	Tapered Unit Cell Control of a Sinusoidally Modulated Reactance Surface Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2479-2483.	2.4	6
99	Beam Steering of a Multi-Port Chassis Antenna Using the Least Squares Method and Theory of Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 5684-5688.	3.1	6
100	Cylindrical Tightly Coupled Dipole Array Antenna. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2019, 19, 122-129.	2.9	6
101	A general rigorous analysis of arbitrary-shaped multiaperture-coupled directional coupler between two dissimilar rectangular waveguides crossing with an arbitrary angle. Microwave and Optical Technology Letters, 1998, 18, 43-46.	0.9	5
102	An iterative FEM for scattering by a 3-D cavity-backed aperture. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 2147-2151.	2.9	5
103	A power re-use technique for improved efficiency of pulsed oscillating amplifiers. IEEE Microwave and Wireless Components Letters, 2006, 16, 567-569.	2.0	5
104	A high-efficiency power amplifier using multilevel digital pulse modulation. Microwave and Optical Technology Letters, 2009, 51, 1921-1924.	0.9	5
105	A 29 dBm CMOS class-E power amplifier with 63% PAE using negative capacitance. , 2009, , .		5
106	Multi-Slot Main Memory System for Post DDR3. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 334-338.	2.2	5
107	A low-power 77 GHz transceiver for automotive radar system in 65 nm CMOS technology. , 2013, , .		5
108	Mutual coupling analysis of antennas in layered media through equivalent sources for wireless power transfer. , 2014, , .		5

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109	A dual-band FMCW radar for through-wall detection. , 2015, , .		5
110	Design of a compact quasi-isotropic antenna for RF energy harvesting. , 2017, , .		5
111	Time-Domain Electromagnetic Fields Radiating Along the Horizontal Interface Between Vertically Uniaxial Half-Space Media. IEEE Transactions on Antennas and Propagation, 2007, 55, 1305-1317.	3.1	4
112	Fast RSSI circuit using novel power detector for wireless communication. , 2008, , .		4
113	Mode-Based Estimation of 3 dB Bandwidth for Near-Field Communication Systems. IEEE Transactions on Antennas and Propagation, 2011, 59, 3131-3135.	3.1	4
114	Design Method for Butterâ€“Cheby Bandpass Filters With Even Number of Resonators. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1549-1559.	2.9	4
115	Analysis and Elimination of Unwanted Resonances for Wideband Reflectarray Antenna Design at Sub-Millimeter Waves. IEEE Access, 2020, 8, 224750-224760.	2.6	4
116	High-Efficiency Dielectric Reflectarray Antennas With Ultra-Wideband Characteristics. IEEE Access, 2021, 9, 152075-152081.	2.6	4
117	A Novel Reflection-Type Polarization Convertor Design Using Connected Orthogonal Tightly Coupled Dipole Arrays. IEEE Access, 2022, 10, 52116-52125.	2.6	4
118	Analysis of arbitrary shaped crosssectional discontinuity in rectangular waveguides using FEM-BIM with triangular prism elements. , 0, , .		3
119	A novel EER structure for reducing complexity using negative resistance amplifier. IEEE Microwave and Wireless Components Letters, 2004, 14, 195-197.	2.0	3
120	A modeling method for dumbbellâ€“shaped DGS and its parameter extraction. Microwave and Optical Technology Letters, 2014, 56, 2910-2913.	0.9	3
121	Millimeter-wave slot array antenna using SIW and electroforming techniques. , 2015, , .		3
122	A Wall-Clutter Rejection Technique Using Two PLLs and a Phase Controller for Wall-Penetrating FMCW Radar. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 471-474.	1.4	3
123	Design of a low-profile 2 to 6 GHz circular polarized single arm hexagonal spiral array antenna. , 2017, , .		3
124	Determination of the Impedance Parameters of Antennas and the Maximum Power Transfer Efficiency of Wireless Power Transfer. IEEE Transactions on Antennas and Propagation, 2019, 67, 5132-5144.	3.1	3
125	Optimization of Microwave Wireless Power Transmission With Specific Absorption Rate Constraint for Human Safety. IEEE Transactions on Antennas and Propagation, 2020, 68, 7721-7726.	3.1	3
126	A Wideband Noise-Cancelling Receiver Front-End Using a Linearized Transconductor. IEICE Transactions on Electronics, 2017, E100.C, 340-343.	0.3	3



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127	New planar high Q active resonator and its application to low phase noise oscillators. , 0, , .		2
128	Hot-Switching Test of Non-Contact Type MEMS Switch. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	2
129	Architecture of a multi-slot main memory system for 3.2 Gbps operation. , 2010, , .		2
130	Simple efficient resonant coupling wireless power transfer system operating at varying distances between antennas. Microwave and Optical Technology Letters, 2012, 54, 2397-2401.	0.9	2
131	Design of antenna for bug robot using characteristic mode. , 2015, , .		2
132	Isolation enhanced multiway power divider for wideband ( $3\hat{\wedge}1$ ) beamforming array. , 2016, , .		2
133	Microstrip array antenna bandwidth enhancement using reactive surface. Microwave and Optical Technology Letters, 2020, 62, 825-829.	0.9	2
134	Design of TCDA Avoiding Half-wavelength Limitation Using PC. , 2020, , .		2
135	Extremely low-profile wideband array antenna using <scp>TCDA</scp> with polarization convertor. Microwave and Optical Technology Letters, 2021, 63, 959-964.	0.9	2
136	Evolvable Skin Electronics by In Situ and In Operando Adaptation (Adv. Funct. Mater. 4/2022). Advanced Functional Materials, 2022, 32, .	7.8	2
137	Low-Spurious Wideband DDS-Based Ku-Band Chirp Generator for Short-Range Radar Application. IEEE Microwave and Wireless Components Letters, 2022, 32, 206-209.	2.0	2
138	An equivalent circuit with the physical structure of depletion region considered for determination the parasitic capacitances of MESFETs and HEMTs. , 0, , .		1
139	A new design approach for an injection-locked oscillator with an enhanced locking range. Microwave and Optical Technology Letters, 2001, 31, 325-327.	0.9	1
140	A Method to Shorten the Size of Amplifiers Using Vertically Periodic Defected Ground Structure. , 2002, , .		1
141	\$\$\$ Evaluation of Antennas in an Electrically Conductive Medium. IEEE Transactions on Antennas and Propagation, 2008, 56, 2116-2120.	3.1	1
142	An efficient CMOS power-combining technique with differential and single-ended power amplifier. Microwave and Optical Technology Letters, 2010, 52, 2214-2217.	0.9	1
143	Electronically beam-scannable sinusoidally modulated reactance surface antenna. EPJ Applied Metamaterials, 2019, 6, 13.	0.8	1
144	A 0.4-1.2GHz Reconfigurable CMOS Power Amplifier for 802.11ah/af Applications. IEICE Transactions on Electronics, 2019, E102.C, 91-94.	0.3	1

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145	28 <scp>GHz </scp> metal <scp>cavity-backed</scp> twin arc slot antenna for high efficiency and thermal management. Microwave and Optical Technology Letters, 2020, 62, 3576-3580.	0.9	1
146	5G mmWave Low-profile 2 Å– 2 Planar Array of Tightly Coupled Dipole Subarray Covering FR2. , 2021, , .		1
147	Optimized Transmitting Sources for Radiative Wireless Power Transmission With Lossy Media. IEEE Transactions on Antennas and Propagation, 2022, 70, 3106-3111.	3.1	1
148	Isolation Enhanced Multiway Power Divider for Wideband (4:1) Beamforming Arrays. IEICE Transactions on Electronics, 2016, E99.C, 1327-1330.	0.3	1
149	7-Bit Multilayer True-Time Delay up to 1016ps for Wideband Phased Array Antenna. IEICE Transactions on Electronics, 2019, E102.C, 622-626.	0.3	1
150	Efficient coupling patterns design of miniaturized dielectric filter using EM simulator and EPO technique. , 0, , .		0
151	Design of cryogenic (4.2 K) X-band HEMT oscillator for Josephson voltage standard. , 0, , .		0
152	Nonlinear Design of Low Phase Noise Voltage Controlled Oscillator for Mobile Communicaion Sytem. , 1999, , .		0
153	Low noise oscillator design using upconversion gain analysis. , 0, , .		0
154	A study on the efficient FEM-based iteration method for the open region problem and its applications to scattering by three dimensional cavity-backed apertures. , 0, , .		0
155	A new balanced amplifier using 6-port power divider. , 0, , .		0
156	Post-distortion linearizer for multicarrier power amplifiers using a fifth-order error signal generator. , 0, , .		0
157	FDTD calculation of SAR for the monopole antenna on the conducting box with the metallic folder. , 0, , .		0
158	E-Band CPW Ring Hybrid using an Overlapped Coupling Structure. , 2003, , .		0
159	Efficient computation of impedance matrix in 1-Dimensional periodic planar structures using rooftop functions. , 2007, , .		0
160	Method of auxiliary sources for the analysis of insulated wire antennas. , 2008, , .		0
161	Analysis of a substrate leakage current at MMIC. , 2009, , .		0
162	Near-field coupling between small folded cylindrical helix dipoles. , 2010, , .		0

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163	A current-mode FIR-filter-based receiver front-end for blocker filtering. , 2013, , .		0
164	Condition for minimum scattering antennas. , 2013, , .		0
165	Analysis of currents on receiving antennas using characteristic modes. , 2015, , .		0
166	Characterization of wireless power transfer system in environment using equivalent currents. , 2015, , .		0
167	Correction to "Determination of the Generalized Scattering Matrix of an Antenna From Characteristic Modes" [Sep 13 4848-4852]. IEEE Transactions on Antennas and Propagation, 2015, 63, 876-876.	3.1	0
168	Modeling stepped U-slot DGS microstrip line. Microwave and Optical Technology Letters, 2016, 58, 583-587.	0.9	0
169	Avoidance of off-switch resonance in true time delay line using cascaded switches. , 2016, , .		0
170	Design of switched multimode antenna on bug platform by using characteristic mode analysis. , 2016, , .		0
171	Design of W-band Wideband Low Phase Sensitivity Dual-Reflectarray Antenna with Beam Steering. The Journal of Korean Institute of Information Technology, 2019, 17, 61-68.	0.1	0
172	Implementation of 8 Channels Phase Conjugation on FPGA for Microwave Power Transmission. , 2021, , .		0
173	Correction to "Spherical Mode-Based Analysis of Wireless Power Transfer Between Two Antennas" IEEE Transactions on Antennas and Propagation, 2022, , 1-1.	3.1	0
174	Efficient Microwave Wireless Power Transmission using Optimization Algorithm. , 2022, , .		0
175	Equivalent Circuit Model of Unbalanced Fed Tightly Coupled Dipole Array For Analyzing Even and Odd Modes. , 2022, , .		0