

Jong-Gwan Yook

List of Publications by Citations

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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.

233
papers

2,877
citations

25
h-index

45
g-index

317
ext. papers

3,622
ext. citations

3.2
avg, IF

5.43
L-index

#	Paper	IF	Citations
233	Interference mitigation using uplink power control for two-tier femtocell networks. <i>IEEE Transactions on Wireless Communications</i> , 2009 , 8, 4906-4910	9.6	208
232	Biosensing using split-ring resonators at microwave regime. <i>Applied Physics Letters</i> , 2008 , 92, 254103	3.4	163
231	A planar split-ring resonator-based microwave biosensor for label-free detection of biomolecules. <i>Sensors and Actuators B: Chemical</i> , 2012 , 169, 26-31	8.5	150
230	Wideband Microstrip Patch Antenna With U-Shaped Parasitic Elements. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 1196-1199	4.9	108
229	DNA sensing using split-ring resonator alone at microwave regime. <i>Journal of Applied Physics</i> , 2010 , 108, 014908	2.5	95
228	Self-Optimized Coverage Coordination in Femtocell Networks. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 2977-2982	9.6	72
227	Package-level integrated antennas based on LTCC technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 2190-2197	4.9	71
226	Fractal-shaped microstrip coupled-line bandpass filters for suppression of second harmonic. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 2943-2948	4.1	68
225	Detection and Location of Multiple Wiring Faults via TimeFrequency-Domain Reflectometry. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 131-138	2	51
224	A real-time humidity sensor based on a microwave oscillator with conducting polymer PEDOT:PSS film. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 145-151	8.5	49
223	Fractal-shape small size microstrip patch antenna. <i>Microwave and Optical Technology Letters</i> , 2002 , 34, 15-17	1.2	46
222	A Novel Vital-Sign Sensing Algorithm for Multiple Subjects Based on 24-GHz FMCW Doppler Radar. <i>Remote Sensing</i> , 2019 , 11, 1237	5	45
221	Real-time Humidity Sensor Based on Microwave Resonator Coupled with PEDOT:PSS Conducting Polymer Film. <i>Scientific Reports</i> , 2018 , 8, 439	4.9	44
220	Effects of Reader-to-Reader Interference on the UHF RFID Interrogation Range. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2337-2346	8.9	44
219	Reverse-Link Interrogation Range of a UHF MIMO-RFID System in Nakagami- m Fading Channels. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 1468-1477	8.9	43
218	Asymmetric Coil Structures for Highly Efficient Wireless Power Transfer Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3443-3451	4.1	41
217	Temperature-Corrected Fluidic Glucose Sensor Based on Microwave Resonator. <i>Sensors</i> , 2018 , 18,	3.8	40

216	A harmonic suppression antenna for an active integrated antenna. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 54-56	2.6	35
215	. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 3505-3510	4.9	33
214	Recent research trends of radio-frequency biosensors for biomolecular detection. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 448-59	11.8	31
213	Non-Invasive Fluidic Glucose Detection Based on Dual Microwave Complementary Split Ring Resonators With a Switching Circuit for Environmental Effect Elimination. <i>IEEE Sensors Journal</i> , 2020 , 20, 8520-8527	4	30
212	Noncontact proximity vital sign sensor based on PLL for sensitivity enhancement. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014 , 8, 584-93	5.1	28
211	Intrinsic characteristics of transmission line of graphenes at microwave frequencies. <i>Applied Physics Letters</i> , 2012 , 100, 223102	3.4	27
210	Resonance-suppressed magnetic field probe for EM field-mapping system. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 2693-2699	4.1	27
209	Modeling of Leaked Digital Video Signal and Information Recovery Rate as a Function of SNR. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015 , 57, 164-172	2	26
208	Analysis of Shielding Effectiveness of Reinforced Concrete Against High-Altitude Electromagnetic Pulse. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2014 , 56, 1488-1496	2	25
207	Noncontact RF Vital Sign Sensor for Continuous Monitoring of Driver Status. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019 , 13, 493-502	5.1	24
206	Compact Vital Signal Sensor Using Oscillation Frequency Deviation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 393-400	4.1	24
205	Analysis of Coupling Effects to PCBs Inside Waveguide Using the Modified BLT Equation and Full-Wave Analysis. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3514-3523	4.1	24
204	Radio-frequency characteristics of graphene oxide. <i>Applied Physics Letters</i> , 2010 , 97, 193103	3.4	24
203	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2010 , 52, 373-380	2	24
202	Single-Ended and Differential Radial Power Combiners Implemented With a Compact Broadband Probe. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1565-1572	4.1	24
201	Parallel Signal Processing of a Wireless Pressure-Sensing Platform Combined with Machine-Learning-Based Cognition, Inspired by the Human Somatosensory System. <i>Advanced Materials</i> , 2020 , 32, e1906269	24	24
200	Flexible Non-Constrained RF Wrist Pulse Detection Sensor Based on Array Resonators. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2016 , 10, 300-8	5.1	23
199	Bandwidth-Compensation Method for Miniaturized Parallel Coupled-Line Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1531-1538	4.1	23

198	A coupled dual-u-shaped monopole antenna for WiMAX triple-band operation. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 745-748	1.2	22
197	An RF Circuit Model for Interdigital Capacitors-Based Carbon Nanotube Biosensors. <i>IEEE Nanotechnology Magazine</i> , 2010 , 9, 682-686	2.6	21
196	Application of system-level EM modeling to high-speed digital IC packages and PCBs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997 , 45, 1847-1856	4.1	21
195	Extremely Low-Profile Antenna for Attachable Bio-Sensors. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1537-1545	4.9	20
194	Sensitivity Enhanced Vital Sign Detection Based on Antenna Reflection Coefficient Variation. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2016 , 10, 319-27	5.1	19
193	Heart Rate Detection During Sleep Using a Flexible RF Resonator and Injection-Locked PLL Sensor. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 2568-75	5	19
192	A Miniaturized 3 dB 90 $^{\circ}$ Hybrid Coupler Using Coupled-Line Section With Spurious Rejection. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 766-768	2.6	19
191	Mismatch Detection and Compensation Method for the LINC System Using a Closed-Form Expression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 3050-3057	4.1	19
190	A gas sensor using double split-ring resonator coated with conducting polymer at microwave frequencies 2014 ,		18
189	3D Isotropic Dispersion (ID)-FDTD Algorithm: Update Equation and Characteristics Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1251-1259	4.9	18
188	The coexistence of OFDM-based systems beyond 3G with fixed service microwave systems. <i>Journal of Communications and Networks</i> , 2006 , 8, 187-193	4.1	18
187	A Proximity Coupling RF Sensor for Wrist Pulse Detection Based on Injection-Locked PLL. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 1667-1676	4.1	18
186	Microwave characterization of conducting polymer PEDOT: PSS film using a microstrip line for humidity sensor application. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 137, 272-277	4.6	17
185	A highly sensitive and label free biosensing platform for wireless sensor node system. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 362-7	11.8	17
184	Wrist Pulse Detection System Based on Changes in the Near-Field Reflection Coefficient of a Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 719-721	2.6	17
183	Nickel-coated glass/epoxy honeycomb sandwich composite for broadband RCS reduction. <i>Composites Part B: Engineering</i> , 2020 , 191, 107952	10	16
182	Integration of Antenna and Feeding Network for Compact UWB Transceiver Package. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2011 , 1, 111-118	1.7	16
181	Path Loss Characteristics for IMT-Advanced Systems in Residential and Street Environments. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 867-871	3.8	16

180	DNA sensing based on single element planar double split-ring resonator 2009 ,		16
179	Carbon-nanotube-resonator-based biosensors. <i>Small</i> , 2008 , 4, 1723-7	11	16
178	A Label-Free Biosensing Platform Using a PLL Circuit and Biotin-Streptavidin Binding System. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015 , 9, 345-52	5.1	15
177	A Resolution Enhancement Technique for Remote Monitoring of the Vital Signs of Multiple Subjects Using a 24 Ghz Bandwidth-Limited FMCW Radar. <i>IEEE Access</i> , 2020 , 8, 1240-1248	3.5	15
176	Fast Frequency Sweep Using Asymptotic Waveform Evaluation Technique and Thin Dielectric Sheet Approximation. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1800-1806	4.9	14
175	The determination of base station placement and transmit power in an inhomogeneous traffic distribution for radio network planning		14
174	A slow-wave structure with Koch fractal slot loops. <i>Microwave and Optical Technology Letters</i> , 2002 , 34, 87-88	1.2	13
173	Graphene Nanomaterials-Based Radio-Frequency/Microwave Biosensors for Biomaterials Detection. <i>Materials</i> , 2019 , 12,	3.5	12
172	New Scaling Factors of 2-D Isotropic-Dispersion Finite Difference Time Domain (ID-FDTD) Algorithm for Lossy Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 613-617	4.9	12
171	S-band dual-path dual-polarized antenna system for satellite digital audio radio service (SDARS) application. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 1569-1575	4.1	12
170	Capacity Loss Due to Polarization-Mismatch and Space-Correlation on MISO Channel. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 2124-2136	9.6	11
169	Evaluation of power transfer efficiency with ferrite sheets in WPT system 2017 ,		11
168	Simple prediction of FSS radome transmission characteristics using an FSS equivalent circuit model. <i>IEICE Electronics Express</i> , 2011 , 8, 89-95	0.5	11
167	A deterministic channel simulation model for spatially correlated Rayleigh fading. <i>IEEE Communications Letters</i> , 2002 , 6, 58-60	3.8	11
166	Effect of Plasma Area on Frequency of Monostatic Radar Cross Section Reduction. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2017 , 17, 153-158	2.3	11
165	Vital sign detection for handheld communication device using antenna mismatching effect 2013 ,		10
164	Simple design method of FSS radome analysis using equivalent circuit model. <i>IEICE Electronics Express</i> , 2011 , 8, 2002-2009	0.5	10
163	Improvement of radiation performance of mobile phone antenna using parasitic element. <i>IEEE Transactions on Consumer Electronics</i> , 2010 , 56, 2411-2415	4.8	10

162	Path-loss characteristics in subway tunnels at 2.65 GHz. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 383-386	1.2	10
161	Low-noise and high-linearity LNA based on InGaP/GaAs HBT for 5.3-GHz WLAN. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 550-553	1.2	10
160	Deep-Learning-Based Deconvolution of Mechanical Stimuli with TiCT MXene Electromagnetic Shield Architecture Dual-Mode Wireless Signal Variation Mechanism. <i>ACS Nano</i> , 2020 , 14, 11962-11972	16.7	10
159	Path Loss Compensation Method for Multiple Target Vital Sign Detection with 24-GHz FMCW Radar 2018 ,		10
158	Information Recovery Using Electromagnetic Emanations From Display Devices Under Realistic Environment. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 1098-1106	2	9
157	Implicit ID-FDTD Algorithm Based on Crank-Nicolson Scheme: Dispersion Relation and Stability Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2259-2267	4.9	9
156	Interference mitigation technique for the sharing between IMT-advanced and fixed satellite service. <i>Journal of Communications and Networks</i> , 2007 , 9, 159-166	4.1	9
155	Low-Loss Thin Film Microstrip Lines and Filters Based on Magnetorheological Finishing. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2007 , 30, 849-854		9
154	5.8 GHz Vital Signal Sensing Doppler radar using Isolation-improved Branch-line Coupler 2006 ,		9
153	Attenuation Effects of Plasma on Ka-Band Wave Propagation in Various Gas and Pressure Environments. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2018 , 18, 63-69 ^{2,3}		9
152	Highly Efficient WPT System With Negative Impedance Converter for Q-factor Improvement. <i>IEEE Access</i> , 2019 , 7, 108750-108760	3.5	8
151	Preamble-Based Adaptive Channel Estimation for IEEE 802.11p. <i>Sensors</i> , 2019 , 19,	3.8	8
150	A reflection type gas sensor using conducting polymer as a variable impedance at microwave frequencies 2014 ,		8
149	Signal Integrity Enhanced EBG Structure With a Ground Reinforced Trace. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2010 , 33, 284-288		8
148	Efficiency enhancement of the Doherty amplifier for 3.5 GHz WiMAX application using class-F circuitry. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 570-573	1.2	8
147	Spectrum requirements for the future development of IMT-2000 and systems beyond IMT-2000. <i>Journal of Communications and Networks</i> , 2006 , 8, 169-174	4.1	8
146	Electromagnetic Modeling of High Altitude Electromagnetic Pulse Coupling into Large-Scale Underground Multilayer Structures. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2012 , 23, 392-401	0.3	8
145	Radio-Frequency/Microwave Gas Sensors Using Conducting Polymer. <i>Materials</i> , 2020 , 13,	3.5	8

144	Modified Sheet Inductance of Wire Mesh Using Effective Wire Spacing. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2016 , 58, 911-914	2	7
143	Multi-Radiating-Element Printed Inverted-F Antenna With Independent Resonant Frequencies for Bandwidth Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 926-929	3.8	7
142	2.4 GHz bio-radar system with improved performance by using phase-locked loop. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2074-2076	1.2	7
141	On the possibility of Biosensors Based on Split Ring Resonators 2008 ,		7
140	Air-gap type TFBAR-based filter topologies. <i>Microwave and Optical Technology Letters</i> , 2002 , 34, 386-387	1.2	7
139	A compact and low-profile GaN power amplifier using interposer-based MMIC technology 2014 ,		6
138	Hybrid Current-Mode Class-S Power Amplifier With GaN Schottky Diode Using Chip-On-Board Technique for 955 MHz LTE Signal. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4168-4178	4.1	6
137	Modeling of shielding effectiveness of reinforced concrete walls for electromagnetic pulse 2012 ,		6
136	Highly miniaturized RF bandpass filter based on thin-film bulk acoustic-wave resonator for 5-GHz-band application. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 1218-1228	4.1	6
135	An Advanced MCL Method for Assessing Interference Potential of OFDM-Based Systems beyond 3G with Dynamic Power Allocation 2006 ,		6
134	Conductor-loss reduction for high-frequency transmission lines based on the magnetorheological-fluid polishing method. <i>Microwave and Optical Technology Letters</i> , 2004 , 42, 405-407	1.2	6
133	Experimental and theoretical study of parasitic leakage/resonance in a K/Ka-band MMIC package. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1996 , 44, 2403-2410	4.1	6
132	A Biomolecular Sensing Platform Using RF Active System. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2012 , 12, 227-233	2.3	6
131	Sensitive Relative Humidity Monitoring Sensor Based on Microwave Active Resonator With PEDOT:PSS. <i>IEEE Access</i> , 2020 , 8, 166283-166293	3.5	6
130	Radio-Frequency Biosensors for Real-Time and Continuous Glucose Detection. <i>Sensors</i> , 2021 , 21,	3.8	6
129	Electromagnetic Signature of a Quadcopter Drone and Its Relationship With Coupling Mechanisms. <i>IEEE Access</i> , 2019 , 7, 174764-174773	3.5	6
128	Block Size Optimization of CBFM for Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5370-5377	4.9	5
127	An X-band RLC matched power amplifier using quasi-MMIC technology. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2803-2807	1.2	5

126	Noise-Jamming Effect as a Countermeasure Against TEMPEST During High-Speed Signaling. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015 , 57, 1491-1500	2	5
125	3-D Isotropic Dispersion FDTD Algorithm for Rectangular Grid. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 522-525	3.8	5
124	Multilayered Disk Array Structure Surrounded by a Dielectric Ring for Shaping a Flat-Topped Radiation Pattern. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 374-376	3.8	5
123	Microstrip-fed bow-tie-shaped meander slot antenna with compact and broadband characteristics. <i>Microwave and Optical Technology Letters</i> , 2005 , 45, 88-90	1.2	5
122	Impact of group delay in RF BPF on impulse radio systems 2005 ,		5
121	Measurement Method for Monostatic Radar Cross Section of a Scaled Aircraft Model in Non-Anechoic Environment. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2019 , 30, 583-590	0.3	5
120	Orthogonal Code-Based Transmitted Radiation Pattern Measurement Method for 5G Massive MIMO Antenna Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4007-4013	4.9	5
119	Wideband planar monopole antenna for digital TV reception and UHF band communications. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2041-2045	1.6	5
118	GaN HEMT based high-efficiency current-mode class-D amplifier using chip-on-board technique. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 358-362	1.2	4
117	Extremely Low Dispersion Higher Order (2,4) 2-D-FDTD Scheme for Maxwell-Boltzmann System. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 6100-6106	4.9	4
116	Wireless RF Vital Signal Sensor Using Autoregressive Spectral Estimation Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 535-538	3.8	4
115	A 60 GHz embedded SIW (substrate integrated waveguide) BPF Considering the Transition Effect 2009 ,		4
114	Resonator size effects on the TFBAR ladder filter performance. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 335-337	2.6	4
113	Low-phase-noise high-efficiency MMIC VCO based on InGaP/GaAs HBT with the LC filter. <i>Microwave and Optical Technology Letters</i> , 2005 , 44, 123-126	1.2	4
112	Scattering analysis of curved FSS using Floquet harmonics and asymptotic waveform evaluation technique. <i>Steel and Composite Structures</i> , 2014 , 17, 561-572		4
111	Monostatic RCS Measurement for Dielectric Barrier Discharge Plasma. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2016 , 27, 246-252	0.3	4
110	Deep Reinforcement Learning-Based Distributed Congestion Control in Cellular V2X Networks. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	4
109	Analysis of RCS of Low Observable Aircraft in VHF Band. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-10	1.2	4

108	Effect of plasma volume on monostatic radar cross section control. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1939-1949	1.3	4
107	Time-Variant Microwave Absorption by Dielectric Barrier Discharge Plasma in Atmospheric Pressure Helium. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 57-63	1.3	3
106	High Q-factor compact coils having non-uniform wire width for wireless power transfer system 2016 ,		3
105	Fast scattering analysis over a wide frequency band using Clenshaw-Lord-type Padé-Chebyshev approximation. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 245-250	1.6	3
104	Modified Shielding Effectiveness Equation for Novel Multilayered Waveguide-Below-Cutoff Array. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3912-3920	4.1	3
103	High-frequency characteristics of conducting polymer for gas-sensor 2014 ,		3
102	Analytic modeling of oblique penetration of early-time high altitude electromagnetic pulse into dispersive underground multilayer structures. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 1649-1659	1.3	3
101	Study of jamming countermeasure for electromagnetically leaked digital video signals 2014 ,		3
100	Proximity coupled vital sign sensor based on phase locked loop under injection 2013 ,		3
99	A NOISE SUPPRESSION TECHNIQUE USING DUAL LAYER SPIRALS WITH VARIOUS GROUND STRUCTURE FOR HIGH-SPEED PCBs. <i>Progress in Electromagnetics Research B</i> , 2013 , 46, 337-356	0.7	3
98	Direct Derivation of the Gradient Method for Network Utility Maximization in Broadcast Channels and Its Application 2011 ,		3
97	Analysis of coupling effects in waveguides using the BLT Equation and Numerical Methods 2012 ,		3
96	A parallel-plate-mode suppressed meander slot antenna with plated-through-holes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005 , 4, 118-120	3.8	3
95	A Study on Biomaterial Detection Using Single-Walled Carbon Nanotube Based on Interdigital Capacitors. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2008 , 19, 891-898 ^{0.3}		3
94	HEMP Effect Analysis for Equipment Using Comparison of Norms between HEMP Filter Residual Current and Conducted Susceptibility Criteria. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2014 , 25, 199-207	0.3	3
93	Effect of Driving Frequency on Reduction of Radar Cross Section Due to Dielectric-Barrier-Discharge Plasma in Ku-Band. <i>IEEE Transactions on Plasma Science</i> , 2021 , 49, 1548-1556 ^{1.3}		3
92	Analysis of information leakage from display devices with LCD 2016 ,		3
91	Droplet sensing using small and compact high-Q planar resonator based on impedance matching technique. <i>Review of Scientific Instruments</i> , 2016 , 87, 094706	1.7	3

90	Radio Remote Head Clustering with Affinity Propagation Algorithm in C-RAN 2019 ,		3
89	Patch antenna design using the gA and the binary method for dual-band applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 1691-1704	1.3	2
88	RF interferometric wearable wrist pulse detection system. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 167-172	1.6	2
87	Proximity vital sign sensor using self-oscillating mixer 2016 ,		2
86	A CBCPW-fed ultra-wideband planar monopole antenna for UHF band applications 2014 ,		2
85	Equivalent model of circular-type spiral inductor in printed circuit board. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 337-340	1.2	2
84	High Q-factor WPT system with negative impedance converter 2017 ,		2
83	Measurement and analysis of the electromagnetic emanations from video display interface 2015 ,		2
82	Fast analysis over a wide band using Chebyshev approximation with Clenshaw-Lord approximation 2014 ,		2
81	Modeling and analysis of a conventional and localized electromagnetic bandgap structures for suppression of simultaneous switching noise. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1571-1577	1.2	2
80	Power noise suppression techniques using spiral resonator in high-speed PCB 2010 ,		2
79	Low profile patch antenna for on-body wireless sensor application in MBAN band 2012 ,		2
78	Gain improvement topology using conical structure for jamming resilient GPS antennas 2012 ,		2
77	Optimization of via structure in multilayer PCB for high speed signal transmission 2008 ,		2
76	RF performance of CPW transmission line fabricated with inkjet printing technology 2008 ,		2
75	Effects of reader interference on the RFID interrogation range 2007 ,		2
74	Multi-functional vehicle antenna system for FM and PCS services 2007 ,		2
73	Enhanced power plane with photonic band gap structures for wide band suppression of parallel plate resonances		2

72	Low profile S-band dual-polarized antenna for SDARS application 2005 ,		2
71	Accurate characterization of MEM inductors on lossy silicon. <i>Microwave and Optical Technology Letters</i> , 2004 , 43, 355-358	1.2	2
70	CAD model analysis of the air-gap type TFBAR. <i>Microwave and Optical Technology Letters</i> , 2002 , 34, 384-385		2
69	Two Dimensional Explicit ID(Isotropic-Dispersion)-FDTD Scheme for Lossy Media. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2007 , 18, 664-673	0.3	2
68	Analysis of Stability Condition and Wideband Characteristics of 3D Isotropic Dispersion(ID)-FDTD Algorithm. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2011 , 22, 407-415	0.3	2
67	Noninvasive Method to Distinguish between Glucose and Sodium Chloride Solution Using Complementary Split-Ring Resonator. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2018 , 29, 247-255	0.3	2
66	Study for possibility of information leakage from digital video display interface 2016 ,		2
65	Reconstruction of leaked signal from USB keyboards 2016 ,		2
64	RRH Clustering Using Affinity Propagation Algorithm with Adaptive Thresholding and Greedy Merging in Cloud Radio Access Network. <i>Sensors</i> , 2021 , 21,	3.8	2
63	Sensitivity-Enhanced Fluidic Glucose Sensor Based on a Microwave Resonator Coupled With an Interferometric System for Noninvasive and Continuous Detection. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2021 , 15, 1017-1026	5.1	2
62	Information leakage and recovery from multiple LCDs 2018 ,		2
61	Acceleration of Multilevel Characteristic Basis Function Method by Multilevel Multipole Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7109-7120	4.9	1
60	An information recovery technique from radiated electromagnetic fields from display devices 2016 ,		1
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