

# Jong-Gwan Yook

## 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.

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	Reconstruction of Video Information Through Leaked Electromagnetic Waves from Two VDUs Using a Narrow Band-Pass Filter. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	1
232	Bistatic RCS Estimation Using Monostatic Scattering Centers with Compressive Sensing. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	
231	Radio-Frequency Biosensors for Real-Time and Continuous Glucose Detection. <i>Sensors</i> , <b>2021</b> , 21,	3.8	6
230	Polarimetric micro-doppler signature measurement of a small drone and its resonance phenomena. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2021</b> , 35, 1493-1510	1.3	
229	Stepwise RF Measurement Method for the Analysis of Drone Communication Signals. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 370-376	0.3	0
228	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> , <b>2021</b> , 49, 1548-1556	1.3	3
227	Electromagnetic Shielding Effectiveness of the Concrete Composite as a Function of Structural Parameters of Steel Fibers. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 517-526	0.3	
226	Electromagnetic-mechanical repair patch of radar-absorbing structure with electroless nickel-plated glass fabric damaged by lightning strike. <i>Journal of Composite Materials</i> , <b>2021</b> , 55, 989-1002	2.7	1
225	Dynamic Small-Cell Clustering Using Affinity Propagation Algorithm in Asynchronous 5G NR OFDM Systems. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	1
224	RRH Clustering Using Affinity Propagation Algorithm with Adaptive Thresholding and Greedy Merging in Cloud Radio Access Network. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
223	Deep Reinforcement Learning-Based Distributed Congestion Control in Cellular V2X Networks. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	4
222	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> , <b>2021</b> , 15, 1017-1026	5.1	2
221	RCS Feature Extraction Using Discretized Point Scatterer With Compressive Sensing. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 165-168	3.8	1
220	FDTD Algorithm Based on the Modified Lorentz Dispersive Model for the Analysis of the Characteristics of Plasma. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 173-180	0.3	
219	RCS Reduction Effect of Dielectric Barrier Discharge Plasma Generators Based on FSS Electrode Structures in X-Bands. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 1014-1022	0.3	
218	Coplanar Dielectric-Barrier-Discharge(DBD) Plasma Generator for X-Band Radar Cross Section(RCS) Reduction. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 1091-1098	0.3	
217	Design of Dual-Linear Polarization Converter in X-Band Using 3-D Printing Technique. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 1039-1044	0.3	

216	Acceleration of Multilevel Characteristic Basis Function Method by Multilevel Multipole Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7109-7120	4.9	1
215	Patch antenna design using the gA and the binary method for dual-band applications. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2020</b> , 34, 1691-1704	1.3	2
214	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> , <b>2020</b> , 20, 8520-8527	4	30
213	Nickel-coated glass/epoxy honeycomb sandwich composite for broadband RCS reduction. <i>Composites Part B: Engineering</i> , <b>2020</b> , 191, 107952	10	16
212	Wireless Communication: Parallel Signal Processing of a Wireless Pressure-Sensing Platform Combined with Machine-Learning-Based Cognition, Inspired by the Human Somatosensory System (Adv. Mater. 8/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070055	24	
211	Dynamic RRH Clustering using Affinity Propagation Algorithm in Ultra-Dense C-RAN <b>2020</b> ,		1
210	High-Power Wireless Power Transfer of Drones with Wide Charging Area. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2020</b> , 31, 225-234	0.3	0
209	Analysis of HEMP Coupling Signal for a Coaxial Cable Considering Various Cable Parameters. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2020</b> , 31, 542-554	0.3	
208	Method to Convert Perforated Metal Surface to Equivalent Medium. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2020</b> , 31, 746-749	0.3	
207	Effects on RCS Reduction by Dielectric Barrier Discharge Plasma Generators Based on Face-to-Face Structures in X-Bands. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2020</b> , 31, 1084-1091	0.3	1
206	Orthogonal Code-Based Transmitted Radiation Pattern Measurement Method for 5G Massive MIMO Antenna Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4007-4013	4.9	5
205	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> , <b>2020</b> , 32, e1906269	24	24
204	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> , <b>2020</b> , 8, 1240-1248	3.5	15
203	Radio-Frequency/Microwave Gas Sensors Using Conducting Polymer. <i>Materials</i> , <b>2020</b> , 13,	3.5	8
202	Sensitive Relative Humidity Monitoring Sensor Based on Microwave Active Resonator With PEDOT:PSS. <i>IEEE Access</i> , <b>2020</b> , 8, 166283-166293	3.5	6
201	Deep-Learning-Based Deconvolution of Mechanical Stimuli with TiCT MXene Electromagnetic Shield Architecture Dual-Mode Wireless Signal Variation Mechanism. <i>ACS Nano</i> , <b>2020</b> , 14, 11962-11972	16.7	10
200	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> , <b>2019</b> , 137, 272-277	4.6	17
199	A Novel Vital-Sign Sensing Algorithm for Multiple Subjects Based on 24-GHz FMCW Doppler Radar. <i>Remote Sensing</i> , <b>2019</b> , 11, 1237	5	45

198	Graphene Nanomaterials-Based Radio-Frequency/Microwave Biosensors for Biomaterials Detection. <i>Materials</i> , <b>2019</b> , 12,	3.5	12
197	Noncontact RF Vital Sign Sensor for Continuous Monitoring of Driver Status. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2019</b> , 13, 493-502	5.1	24
196	Information Recovery Using Electromagnetic Emanations From Display Devices Under Realistic Environment. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2019</b> , 61, 1098-1106	2	9
195	Highly Efficient WPT System With Negative Impedance Converter for Q-factor Improvement. <i>IEEE Access</i> , <b>2019</b> , 7, 108750-108760	3.5	8
194	Preamble-Based Adaptive Channel Estimation for IEEE 802.11p. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
193	Near to Far Field Transformation Algorithm for RCS Analysis of Large Electrical Objects. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2019</b> , 30, 791-798	0.3	1
192	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> , <b>2019</b> , 30, 583-590	0.3	5
191	Effective Design of Pixel-type Frequency Selective Surfaces using an Improved Binary Particle Swarm Optimization Algorithm. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2019</b> , 30, 261-269	0.3	
190	Electromagnetic Signature of a Quadcopter Drone and Its Relationship With Coupling Mechanisms. <i>IEEE Access</i> , <b>2019</b> , 7, 174764-174773	3.5	6
189	Radio Remote Head Clustering with Affinity Propagation Algorithm in C-RAN <b>2019</b> ,		3
188	A real-time humidity sensor based on a microwave oscillator with conducting polymer PEDOT:PSS film. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 145-151	8.5	49
187	Time-Variant Microwave Absorption by Dielectric Barrier Discharge Plasma in Atmospheric Pressure Helium. <i>IEEE Transactions on Plasma Science</i> , <b>2018</b> , 46, 57-63	1.3	3
186	Real-time Humidity Sensor Based on Microwave Resonator Coupled with PEDOT:PSS Conducting Polymer Film. <i>Scientific Reports</i> , <b>2018</b> , 8, 439	4.9	44
185	RF interferometric wearable wrist pulse detection system. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 167-172	1.6	2
184	Block Size Optimization of CBFM for Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5370-5377	4.9	5
183	Modified Shielding Effectiveness Equation for Novel Multilayered Waveguide-Below-Cutoff Array. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 3912-3920	4.1	3
182	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> , <b>2018</b> , 18, 63-69	2.3	9
181	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> , <b>2018</b> , 29, 247-255	0.3	2

180	A New Fitness Function in Binary Particle Swarm Optimization for Efficient Design of Frequency Selective Surfaces <b>2018</b> ,		1
179	Information leakage and recovery from multiple LCDs <b>2018</b> ,		2
178	Path Loss Compensation Method for Multiple Target Vital Sign Detection with 24-GHz FMCW Radar <b>2018</b> ,		10
177	Temperature-Corrected Fluidic Glucose Sensor Based on Microwave Resonator. <i>Sensors</i> , <b>2018</b> , 18,	3.8	40
176	Application of a CMP to an EFIE-IPDS surface integral equation. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 2046-2052	1.6	
175	Wideband planar monopole antenna for digital TV reception and UHF band communications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 2041-2045	1.6	5
174	Asymmetric Coil Structures for Highly Efficient Wireless Power Transfer Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 3443-3451	4.1	41
173	Analysis of RCS of Low Observable Aircraft in VHF Band. <i>International Journal of Antennas and Propagation</i> , <b>2018</b> , 2018, 1-10	1.2	4
172	Effect of plasma volume on monostatic radar cross section control. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2018</b> , 32, 1939-1949	1.3	4
171	Opportunistic Polarization-Matching for Multiuser Polarized MISO Downlink. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 909-912	3.8	0
170	High Q-factor WPT system with negative impedance converter <b>2017</b> ,		2
169	Evaluation of power transfer efficiency with ferrite sheets in WPT system <b>2017</b> ,		11
168	Suppression of multi-path couplings in scaled-down experiment for cross-borehole pulse radar. <i>URSI Radio Science Bulletin</i> , <b>2017</b> , 2017, 20-25	0.1	
167	Effect of Plasma Area on Frequency of Monostatic Radar Cross Section Reduction. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , <b>2017</b> , 17, 153-158	2.3	11
166	Sensitivity Enhanced Vital Sign Detection Based on Antenna Reflection Coefficient Variation. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2016</b> , 10, 319-27	5.1	19
165	A high-efficiency gan power amplifier with harmonic control based on Si-IPDS. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2178-2182	1.2	
164	Proximity vital sign sensor using self-oscillating mixer <b>2016</b> ,		2
163	An information recovery technique from radiated electromagnetic fields from display devices <b>2016</b> ,		1

162	High Q-factor compact coils having non-uniform wire width for wireless power transfer system <b>2016,</b>		3
161	A Method of Superposition for Analysis of the Electrically Large Problem Including Many Vehicles. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 102-105	3.8	
160	Flexible Non-Constrained RF Wrist Pulse Detection Sensor Based on Array Resonators. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2016</b> , 10, 300-8	5.1	23
159	Fast Frequency Sweep Using Asymptotic Waveform Evaluation Technique and Thin Dielectric Sheet Approximation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1800-1806	4.9	14
158	Modified Sheet Inductance of Wire Mesh Using Effective Wire Spacing. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2016</b> , 58, 911-914	2	7
157	Fast scattering analysis over a wide frequency band using Clenshaw-Lord-type Padé-Chebyshev approximation. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 245-250	1.6	3
156	Monostatic RCS Measurement for Dielectric Barrier Discharge Plasma. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2016</b> , 27, 246-252	0.3	4
155	Study for possibility of information leakage from digital video display interface <b>2016,</b>		2
154	Analysis of information leakage from display devices with LCD <b>2016,</b>		3
153	Reconstruction of leaked signal from USB keyboards <b>2016,</b>		2
152	Droplet sensing using small and compact high-Q planar resonator based on impedance matching technique. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 094706	1.7	3
151	A Proximity Coupling RF Sensor for Wrist Pulse Detection Based on Injection-Locked PLL. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 1667-1676	4.1	18
150	Heart Rate Detection During Sleep Using a Flexible RF Resonator and Injection-Locked PLL Sensor. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2015</b> , 62, 2568-75	5	19
149	Switchable power combining circuit for improved graceful-degradation performance. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 1213-1216	1.2	
148	An X-band RLC matched power amplifier using quasi-MMIC technology. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 2803-2807	1.2	5
147	A Label-Free Biosensing Platform Using a PLL Circuit and Biotin-Streptavidin Binding System. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2015</b> , 9, 345-52	5.1	15
146	Noise-Jamming Effect as a Countermeasure Against TEMPEST During High-Speed Signaling. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2015</b> , 57, 1491-1500	2	5
145	Measurement and analysis of the electromagnetic emanations from video display interface <b>2015,</b>		2

144	Modeling of Leaked Digital Video Signal and Information Recovery Rate as a Function of SNR. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2015</b> , 57, 164-172	2	26
143	Extremely Low-Profile Antenna for Attachable Bio-Sensors. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 1537-1545	4.9	20
142	Capacity Loss Due to Polarization-Mismatch and Space-Correlation on MISO Channel. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 2124-2136	9.6	11
141	A CBCPW-fed ultra-wideband planar monopole antenna for UHF band applications <b>2014</b> ,		2
140	Noncontact proximity vital sign sensor based on PLL for sensitivity enhancement. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2014</b> , 8, 584-93	5.1	28
139	Recent research trends of radio-frequency biosensors for biomolecular detection. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 61, 448-59	11.8	31
138	Transmission characteristics of a composite made with ground granulated blast furnace slag. <i>IEICE Electronics Express</i> , <b>2014</b> , 11, 20130855-20130855	0.5	
137	A compact and low-profile GaN power amplifier using interposer-based MMIC technology <b>2014</b> ,		6
136	High-frequency characteristics of conducting polymer for gas-sensor <b>2014</b> ,		3
135	Wrist Pulse Detection System Based on Changes in the Near-Field Reflection Coefficient of a Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 719-721	2.6	17
134	Fast analysis over a wide band using Chebyshev approximation with Clenshaw-Lord approximation <b>2014</b> ,		2
133	GaN HEMT-based hybrid current-mode class-S power amplifier for 955 MHz LTE signal. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 2118-2121	1.2	
132	Analysis of Shielding Effectiveness of Reinforced Concrete Against High-Altitude Electromagnetic Pulse. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2014</b> , 56, 1488-1496	2	25
131	Study of jamming countermeasure for electromagnetically leaked digital video signals <b>2014</b> ,		3
130	A gas sensor using double split-ring resonator coated with conducting polymer at microwave frequencies <b>2014</b> ,		18
129	A Miniaturized 3 dB 90 $^{\circ}$ Hybrid Coupler Using Coupled-Line Section With Spurious Rejection. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 766-768	2.6	19
128	A reflection type gas sensor using conducting polymer as a variable impedance at microwave frequencies <b>2014</b> ,		8
127	Scattering analysis of curved FSS using Floquet harmonics and asymptotic waveform evaluation technique. <i>Steel and Composite Structures</i> , <b>2014</b> , 17, 561-572		4

126	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> , <b>2014</b> , 25, 199-207	0.3	3
125	Estimation of Damage in Electric Power Networks due to High Power Electromagnetic Pulse. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2014</b> , 25, 757-766	0.3	1
124	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> , <b>2013</b> , 61, 4168-4178	4.1	6
123	A highly sensitive and label free biosensing platform for wireless sensor node system. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 50, 362-7	11.8	17
122	Extremely Low Dispersion Higher Order (2,4) 2-D-FDTD Scheme for Maxwell-Boltzmann System. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 6100-6106	4.9	4
121	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> , <b>2013</b> , 27, 1649-1659	1.3	3
120	Vital sign detection for handheld communication device using antenna mismatching effect <b>2013</b> ,		10
119	Generalized Gradient Scheduling for Vector Network Utility Maximization. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 111-114	3.8	1
118	Equivalent model of circular-type spiral inductor in printed circuit board. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 337-340	1.2	2
117	Corrections to Analysis of Coupling Effects to PCBs Inside Waveguide Using the Modified BLT Equation and Full-Wave Analysis[Oct 13 3514-3523]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 4284-4284	4.1	
116	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> , <b>2013</b> , 61, 3514-3523	4.1	24
115	Broadband equivalent circuit modelling of spiral resonators for printed circuit board applications. <i>IET Circuits, Devices and Systems</i> , <b>2013</b> , 7, 169-176	1.1	1
114	Proximity coupled vital sign sensor based on phase locked loop under injection <b>2013</b> ,		3
113	A NOISE SUPPRESSION TECHNIQUE USING DUAL LAYER SPIRALS WITH VARIOUS GROUND STRUCTURE FOR HIGH-SPEED PCBS. <i>Progress in Electromagnetics Research B</i> , <b>2013</b> , 46, 337-356	0.7	3
112	Analytic and Numerical Modeling of Normal Penetration of Early-Time (E1) High Altitude Electromagnetic Pulse (HEMP) into Dispersive Underground Multilayer Structures. <i>IEICE Transactions on Communications</i> , <b>2013</b> , E96.B, 2625-2632	0.5	
111	Compact Vital Signal Sensor Using Oscillation Frequency Deviation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 393-400	4.1	24
110	GaN HEMT based high-efficiency current-mode class-D amplifier using chip-on-board technique. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 358-362	1.2	4
109	MMSE-Based Throughput Control Algorithm for Generalized PF Scheduling. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 1584-1587	3.8	



108	A planar split-ring resonator-based microwave biosensor for label-free detection of biomolecules. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 169, 26-31	8.5	150
107	Low Dispersive Compact ID-FDTD Algorithm for Electrically Large Waveguides. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4973-4978	4.9	
106	Modeling of shielding effectiveness of reinforced concrete walls for electromagnetic pulse <b>2012</b> ,		6
105	Optimum scaling factors for one-dimensional finite-difference time-domain scheme in Maxwell-Boltzmann system. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2012</b> , 25, 599-606	1	1
104	High-gain multilayered disk array structure excited by stacked microstrip patches. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 768-770	1.2	
103	Modeling and analysis of a conventional and localized electromagnetic bandgap structures for suppression of simultaneous switching noise. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1571-1577	1.2	2
102	Intrinsic characteristics of transmission line of graphenes at microwave frequencies. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 223102	3.4	27
101	Low profile patch antenna for on-body wireless sensor application in MBAN band <b>2012</b> ,		2
100	Wireless RF Vital Signal Sensor Using Autoregressive Spectral Estimation Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 535-538	3.8	4
99	Analysis of coupling effects in waveguides using the BLT Equation and Numerical Methods <b>2012</b> ,		3
98	Gain improvement topology using conical structure for jamming resilient GPS antennas <b>2012</b> ,		2
97	A Biomolecular Sensing Platform Using RF Active System. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , <b>2012</b> , 12, 227-233	2.3	6
96	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> , <b>2012</b> , 23, 392-401	0.3	8
95	Integration of Antenna and Feeding Network for Compact UWB Transceiver Package. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2011</b> , 1, 111-118	1.7	16
94	Simple design method of FSS radome analysis using equivalent circuit model. <i>IEICE Electronics Express</i> , <b>2011</b> , 8, 2002-2009	0.5	10
93	Simple prediction of FSS radome transmission characteristics using an FSS equivalent circuit model. <i>IEICE Electronics Express</i> , <b>2011</b> , 8, 89-95	0.5	11
92	A coupled dual-u-shaped monopole antenna for WiMAX triple-band operation. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 745-748	1.2	22
91	Implicit ID-FDTD Algorithm Based on Crank-Nicolson Scheme: Dispersion Relation and Stability Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2259-2267	4.9	9

90	Direct Derivation of the Gradient Method for Network Utility Maximization in Broadcast Channels and Its Application <b>2011</b> ,		3
89	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> , <b>2011</b> , 22, 407-415 <sup>0.3</sup>		2
88	Path Loss Characteristics for IMT-Advanced Systems in Residential and Street Environments. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 867-871	3.8	16
87	3D Isotropic Dispersion (ID)-FDTD Algorithm: Update Equation and Characteristics Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 1251-1259	4.9	18
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4	Time domain born type formulation for low frequency scattering	1
3	Circularly & linearly polarized fan beam patch antenna arrays on liquid crystal polymer substrate for V-band applications	1
2	The determination of base station placement and transmit power in an inhomogeneous traffic distribution for radio network planning	14
1	Radio-Frequency Biosensors for Label-Free Detection of Biomolecular Binding Systems	35-54

