Chang Won Jung

List of Publications by Year
in descending order

126	1,727	331538	302012
papers	citations	21 h-index	39 g-index

128	128	128	1472
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reconfigurable Scan-Beam Single-Arm Spiral Antenna Integrated With RF-MEMS Switches. IEEE Transactions on Antennas and Propagation, 2006, 54, 455-463.	3.1	253
2	Transparent and Flexible Antenna for Wearable Glasses Applications. IEEE Transactions on Antennas and Propagation, 2016, 64, 2797-2804.	3.1	128
3	Transparent Patch Antenna Using Metal Mesh. IEEE Transactions on Antennas and Propagation, 2018, 66, 2095-2100.	3.1	102
4	Transparent Microstrip Patch Antennas With Multilayer and Metal-Mesh Films. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 772-775.	2.4	91
5	Magnetic resonance wireless power transfer using three-coil system with single planar receiver for laptop applications. IEEE Transactions on Consumer Electronics, 2015, 61, 160-166.	3.0	90
6	Reconfigurable Beam Steering Using a Microstrip Patch Antenna With a U-Slot for Wearable Fabric Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1228-1231.	2.4	70
7	A Compact Frequency-Reconfigurable Multiband LTE MIMO Antenna for Laptop Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1389-1392.	2.4	67
8	Octaband Internal Antenna for 4G Mobile Handset. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 817-819.	2.4	55
9	Compact UWB Antenna With I-Shaped Band-Notch Parasitic Element for Laptop Applications. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 580-582.	2.4	43
10	Frequency-Reconfigurable Antenna for Broadband Airborne Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 189-192.	2.4	41
11	Pattern-Reconfigurable MIMO Antenna for High Isolation and Low Correlation. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1373-1376.	2.4	40
12	Radiation-Pattern-Reconfigurable Antenna Using Monopole-Loop for Fitbit Flex Wristband. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 269-272.	2.4	39
13	A flexible and transparent antenna on a polyamide substrate for laptop computers. Microwave and Optical Technology Letters, 2015, 57, 1038-1042.	0.9	37
14	Radiation-Pattern Reconfigurable Antenna for Medical Implants in MedRadio Band. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 106-109.	2.4	35
15	Optically Transparent Wideband Dipole and Patch External Antennas Using Metal Mesh for UHD TV Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 1907-1917.	3.1	33
16	Low-profile wideband MIMO antenna with suppressing mutual coupling between two antennas. Microwave and Optical Technology Letters, 2008, 50, 1336-1339.	0.9	30
17	Design of transparent multilayer film antenna for wireless communication. Electronics Letters, 2015, 51, 12-14.	0.5	29
18	Textile Resonators With Thin Copper Wire for Wearable MR-WPT System. IEEE Microwave and Wireless Components Letters, 2017, 27, 91-93.	2.0	26

#	Article	IF	Citations
19	MR-WPT With Reconfigurable Resonator and Ground for Laptop Application. IEEE Microwave and Wireless Components Letters, 2018, 28, 269-271.	2.0	25
20	Dualâ€band slotâ€coupled patch antenna with broad bandwidth and high directivity for WLAN access point. Electronics Letters, 2014, 50, 726-728.	0.5	24
21	Magnetic Resonant Three-Coil WPT System Between Off/In-Body for Remote Energy Harvest. IEEE Microwave and Wireless Components Letters, 2016, 26, 741-743.	2.0	24
22	Analysis of MRâ€WPT using planar textile resonators for wearable applications. IET Microwaves, Antennas and Propagation, 2016, 10, 1541-1546.	0.7	21
23	Analysis of RF Front-End Performance of Reconfigurable Antennas with RF Switches in the Far Field. International Journal of Antennas and Propagation, 2014, 2014, 1-14.	0.7	20
24	Reconfigurable beam steering antenna using U-slot fabric patch for wrist-wearable applications. Journal of Electromagnetic Waves and Applications, 2012, 26, 1545-1553.	1.0	19
25	High Optical Visibility and Shielding Effectiveness Metal Mesh Film for Microwave Oven Application. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1076-1081.	1.4	17
26	Textile patch antennas using double layer fabrics for wrist-wearable applications. Microwave and Optical Technology Letters, 2012, 54, 2697-2702.	0.9	16
27	Compact DVB-H Antenna With Broad Dual-Band Operation for PMP Applications. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 580-583.	2.4	14
28	Reconfigurable Beam-Steering Antenna Using Dipole and Loop Combined Structure for Wearable Applications. ETRI Journal, 2012, 34, 1-8.	1.2	14
29	Optically transparent and very thin structure against electromagnetic pulse (EMP) using metal mesh and saltwater for shielding windows. Scientific Reports, 2021, 11, 2603.	1.6	14
30	Development of RF-MEMS switch on PCB substrates with polyimide planarization. IEEE Sensors Journal, 2005, 5, 950-955.	2.4	13
31	Efficiency optimization of <scp>WPT</scp> system with a planar receiver for mobile applications. Microwave and Optical Technology Letters, 2016, 58, 1817-1819.	0.9	12
32	Wearable fabric antenna on upper arm for MedRadio band applications with reconfigurable beam capability. Electronics Letters, 2015, 51, 1314-1316.	0.5	11
33	Transparent UWB Antenna with IZTO/Ag/IZTO Multilayer Electrode Film. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	0.7	11
34	A dual-band antenna for WLAN applications by double rectangular patch with 4-bridges. , 2004, , .		10
35	Wearable Fabric Reconfigurable Beam-Steering Antenna for On/Off-Body Communication System. International Journal of Antennas and Propagation, 2015, 2015, 1-7.	0.7	10
36	Multilayered salt water with high optical transparency for EMI shielding applications. Scientific Reports, 2020, 10, 21549.	1.6	10

#	Article	IF	Citations
37	Impact of Dielectric Constant on Embedded Antenna Efficiency. International Journal of Antennas and Propagation, 2014, 2014, 1-6.	0.7	9
38	Wideband internal PIFAâ€loop antenna designed on the bezel of digital television applications for UHF band. Electronics Letters, 2018, 54, 1260-1262.	0.5	9
39	A frequency-reconfigurable circularly polarized patch antenna by integrating MEMS switches. , 0, , .		8
40	Reconfigurable beam steering using U-slot patch antenna with high gain and low sar for wireless headset applications. Microwave and Optical Technology Letters, 2015, 57, 542-547.	0.9	8
41	3Dâ€spatial efficiency optimisation of MRâ€WPT using a reconfigurable resonatorâ€array for laptop applications. IET Microwaves, Antennas and Propagation, 2017, 11, 1594-1602.	0.7	8
42	RF-MEMS capacitive series switches of CPW and MSL configurations for reconfigurable antenna application. , 0, , .		7
43	Low-Cost <formula formulatype="inline"> <tex Notation="TeX">K</tex> </formula>-Band Patch Array Antenna for High-Sensitivity EM Sensor. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 982-985.	2.4	7
44	CPWG-fed reconfigurable beam steering antenna using dipole and loop combined structure. Journal of Electromagnetic Waves and Applications, 2012, 26, 1897-1902.	1.0	7
45	Magnetic resonance wireless power transfer for laptop computer with a ground plane. Microwave and Optical Technology Letters, 2017, 59, 514-521.	0.9	7
46	Ground Plane With Loop Structure for Reducing User's Hand Effect. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 450-452.	2.4	6
47	Closely Mounted Compact Wideband Diversity Antenna for Mobile Phone Applications. International Journal of Antennas and Propagation, 2012, 2012, 1-6.	0.7	6
48	New Configuration of Handset MIMO Antenna for LTE 700 Band Applications. International Journal of Antennas and Propagation, 2013, 2013, 1-6.	0.7	6
49	Transparent dualâ€band monopole antenna using a Ï¼â€metal mesh on the rear glass of an automobile for frequency modulation/digital media broadcasting service receiving. Microwave and Optical Technology Letters, 2019, 61, 503-508.	0.9	6
50	Highly Transparent Planar Dipole Using Liquid Ionized Salt Water Under Surface Tension Condition for UHD TV Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 35-42.	3.1	6
51	Wide and Dual-Band MIMO Antenna with Omnidirectional and Directional Radiation Patterns for Indoor Access Points. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2019, 19, 20-30.	2.9	6
52	Analysis of spatial/polarization diversity using a broadband slotâ€coupled patch antenna for the WLAN 802.11A/B/G/N access point. Microwave and Optical Technology Letters, 2015, 57, 1042-1048.	0.9	5
53	Transparent microstrip line with IZTO/AG/IZTO multilayer electrode. Microwave and Optical Technology Letters, 2017, 59, 1161-1164.	0.9	5
54	Magnetic Resonant Wireless Power Transfer with Rearranged Configurations. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2017, 17, 76-85.	2.9	5

#	Article	IF	Citations
55	Internal DTV antenna on multilayered ferrite substrate for mobile phone applications. , 2008, , .		4
56	Reconfigurable 3D beam steering for intelligent antenna system. Microwave and Optical Technology Letters, 2011, 53, 2615-2619.	0.9	4
57	Band-notched planar UWB antenna using unit cells of frequency selective surfaces. Journal of Electromagnetic Waves and Applications, 2012, 26, 2291-2303.	1.0	4
58	Doubleâ€negative reconfigurable resonator with crossâ€polarised split rings. Electronics Letters, 2013, 49, 820-821.	0.5	4
59	A flexible and transparent antenna on a polyimide substrate for laptop computers. , 2015, , .		4
60	Efficiency optimization using reconfigurable resonators for MRâ€WPT in laptop computers. Microwave and Optical Technology Letters, 2016, 58, 3000-3003.	0.9	4
61	Transparent antenna using a Î¼â€metal mesh on the quarter glasses of an automotive for DMB service receiving. Microwave and Optical Technology Letters, 2018, 60, 3009-3014.	0.9	4
62	Transparent Liquid Multiple-Antenna Array with a High Gain and Beam Diversity for UHD TV Applications. Journal of Electromagnetic Engineering and Science, 2022, 22, 186-194.	0.7	4
63	Reconfigurable antenna for concurrent operation over cellular and connectivity bands. , 2008, , .		3
64	A compact coupled radiator antenna with reduced hand effect for mobile handset applications. Microwave and Optical Technology Letters, 2011, 53, 1964-1967.	0.9	3
65	Analysis of WPT system using rearranged indirect-fed method for mobile applications. , 2015, , .		3
66	Smallâ€sized metallic and transparent film resonators for MRâ€WPT system. Electronics Letters, 2016, 52, 650-652.	0.5	3
67	Design of a broadband beam-forming antenna for emergence detection and rescue applications. Microwave and Optical Technology Letters, 2018, 60, 2651-2656.	0.9	3
68	Compact broadband internal monopole antenna with parasitic strips and sleeve feed for UHDâ€TV applications. IET Microwaves, Antennas and Propagation, 2019, 13, 2096-2101.	0.7	3
69	High Optical Transparent and Shielding Effectiveness Using Metal Mesh and Saltwater for Transparent EMI Shielding Applications. , 2020, , .		3
70	A wideband liquid antenna with high optical transparency for ultraâ€highâ€definition television applications. Microwave and Optical Technology Letters, 2021, 63, 2628-2633.	0.9	3
71	Dual circular polarization of tilted beam by a single arm rectangular spiral antenna. , 2004, , .		2
72	Multi-port Multi-band Small Antenna Design. , 2007, , .		2

#	Article	IF	Citations
73	A half-moon antenna with tilt angles for wideband applications. Microwave and Optical Technology Letters, 2007, 49, 2171-2174.	0.9	2
74	Enhanced isolation between donor antenna and coverage antenna for indoor WCDMA repeater systems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	2
75	DVBâ€H antenna structure using Zâ€type hexagonal ferrite for folderâ€type mobile phones. Microwave and Optical Technology Letters, 2009, 51, 2196-2199.	0.9	2
76	Compact dualâ€band multiple input multiple output antenna with high isolation performance. Microwave and Optical Technology Letters, 2010, 52, 2808-2811.	0.9	2
77	A Novel Membrane Process for RF MEMS Switches. Journal of Microelectromechanical Systems, 2010, 19, 715-717.	1.7	2
78	Diversity and MIMO antenna for multi-band mobile handset applications. , 2011, , .		2
79	Multiband LTE MIMO antenna for laptop applications. , 2011, , .		2
80	Single patch beam steering antenna with U-slot for wearable fabric applications. , 2011, , .		2
81	Dual Band and Beam-Steering Antennas Using Reconfigurable Feed on Sierpinski Structure. International Journal of Antennas and Propagation, 2015, 2015, 1-8.	0.7	2
82	Wireless power transfer for mobile devices with consideration of ground effect. , 2015, , .		2
83	Wearable and implantable magnetic resonant wireless power transfer. , 2016, , .		2
84	Textile resonators using a sintered metal conductor for wearable MRâ€WPT with high efficiency and wearability. Microwave and Optical Technology Letters, 2017, 59, 668-672.	0.9	2
85	Magnetic resonantâ€“wireless power transfer for transparent laptop applications using Î¼â€metal mesh film. Microwave and Optical Technology Letters, 2017, 59, 2781-2785.	0.9	2
86	Transfer efficiency of a misalignment of resonators in <scp>MRâ€WPT</scp> for a laptop computer with <scp>SGR</scp>. Microwave and Optical Technology Letters, 2017, 59, 2016-2021.	0.9	2
87	Internal forkâ€shaped wideband monopole antenna with a parasitic sleeve for ultraâ€highâ€definition television applications. Microwave and Optical Technology Letters, 2019, 61, 2725-2729.	0.9	2
88	Optimization method of implantable receiver for magnetic resonant wireless power transfer between wearable onâ€body and implantable inâ€body. Microwave and Optical Technology Letters, 2019, 61, 1545-1549.	0.9	2
89	Wideband internal dipoleâ€“loop antenna with switchable and tunable frequency operation for ultraâ€highâ€definition television. IET Microwaves, Antennas and Propagation, 2019, 13, 623-630.	0.7	2
90	Reconfigurable multi-beam spiral antenna with RF-MEMS capacitive series switches fabricated on rigid substrates. , 0, , .		1

#	Article	IF	Citations
91	Triple-band fractal antenna design for handset system. , 2007, , .		1
92	Macro-micro frequency reconfigurable antenna. , 2007, , .		1
93	In-line RF-MEMS series switches for reconfigurable antenna applications. Microwave and Optical Technology Letters, 2007, 49, 3130-3134.	0.9	1
94	Reconfigurable stacked patch antenna with beamsteering capabilities. , 2008, , .		1
95	DVB-H antenna with broadband LC matching circuit for PMP applications. , 2009, , .		1
96	CPWG-fed reconfigurable beam steering antenna using dipole and loop combined structure. , 2012, , .		1
97	BROAD BAND-STOP FILTER USING FREQUENCY SELECTIVE SURFACES IN UNIPLANAR MICROWAVE TRANSMISSION LINE. Progress in Electromagnetics Research Letters, 2012, 31, 45-53.	0.4	1
98	Radiation Improvement From a Very Narrow Slotline Using a Short-Ended Double Spur-Line. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 47-49.	2.4	1
99	Wideband doubleâ€negative reconfigurable metamaterial using a complementary splitâ€ring resonator with a viaâ€hole. Microwave and Optical Technology Letters, 2015, 57, 2687-2690.	0.9	1
100	Wearable fabric reconfigurable beam steering antenna for on/off-body communication system. , 2015, , .		1
101	Transparent electrode resonators for MR-WPT. , 2016, , .		1
102	Optically transparent microstripline with micro- and wired-metal mesh. Microwave and Optical Technology Letters, 2018, 60, 374-378.	0.9	1
103	Internal Reconfigurable Dipoleâ€“Loop Antenna Array for High Reception Rate of Wideband UHD-TV Applications. Journal of Electrical Engineering and Technology, 2019, 14, 2427-2436.	1.2	1
104	Bandwidth and directivity enhancement of an internal folded monopole antenna loaded by interdigital capacitor for ultraâ€highâ€definition television applications. Microwave and Optical Technology Letters, 2019, 61, 2126-2133.	0.9	1
105	3-D Beam Steering Antenna for Intelligent Beam-reconfigurable System. Journal of the Korea Academia-Industrial Cooperation Society, 2012, 13, 4773-4779.	0.0	1
106	Analysis and Design of Planar Textile Resonator for Wearable Magnetic Resonance-Wireless Power Transfer. Journal of the Institute of Electronics and Information Engineers, 2016, 53, 119-126.	0.0	1
107	Magnetic Resonant Wireless Power Transfer with L-Shape Arranged Resonators for Laptop Computer. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2017, 17, 126-132.	2.9	1
108	RF MEMS capacitive switch with isolation valley at lower frequency band. , 2004, 5389, 92.		0

#	Article	IF	Citations
109	Monolithic integrated re-configurable antenna with RF-MEMS switches fabricated on printed circuit board. , 2005, , .		0
110	Thermal Noise Analysis on the Resistive Vee Dipole Antenna for Ground-Penetrating Radar Applications. , 2008, , .		0
111	Compact PIFA / slot antenna for quad-band mobile handset applications. , 2009, , .		0
112	Design concept of multiband antennas under the influence of the human body. Microwave and Optical Technology Letters, 2009, 51, 513-515.	0.9	0
113	Reconfigurable beam steering antenna using double loops. , 2011, , .		0
114	Chip-level calibration method using improved NFP and CPPs and MPs for the NFS standardization. , 2012, , .		0
115	3-D beam steering antenna for beam - Reconfigurable system. , 2013, , .		0
116	Analysis of radio frequency power transmission between in/onâ€body beamâ€reconfigurable antennas in the medradio band. Microwave and Optical Technology Letters, 2016, 58, 1163-1169.	0.9	0
117	Compact Wideband Internal Antenna Using Epsilon Negative Zeroth-Order Resonator With CPWG-Fed for UHD-TV Applications. Journal of Electrical Engineering and Technology, 2020, 15, 37-42.	1.2	0
118	Transparent Electromagnetic-Wave Shielding Using Liquid Saltwater. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 200-203.	0.0	0
119	Planar Saltwater Analysis for Transparent Electromagnetic Shielding Applications. Journal of Electrical Engineering and Technology, 2021, 16, 2695.	1.2	0
120	Correction to â€œHighly Transparent Planar Dipole Using Liquid Ionized Salt-Water Under Surface Tension Condition for UHD TV Applicationsâ€•[Jan 21 35-42]. IEEE Transactions on Antennas and Propagation, 2021, 69, 5195-5195.	3.1	0
121	Reconfigurable beam steering U-slot patch antenna with high gain for a wireless headset. Journal of the Korea Academia-Industrial Cooperation Society, 2014, 15, 5796-5800.	0.0	0
122	Performance evaluation using BER/SNR of wearable fabric reconfigurable beam-steering antenna for On/Off-body communication systems. Journal of the Korea Academia-Industrial Cooperation Society, 2015, 16, 4842-4848.	0.0	0
123	Transparent Monopole Antenna on the Front Glass of an Automobile for FM Band. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2018, 29, 477-483.	0.0	0
124	Resonant Frequency Recovery of Resonator for Magnetic Resonant Wireless Power Transfer Inserted into Dielectric Material. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2018, 29, 992-995.	0.0	0
125	Very Thin Structure based on Metal Mesh and Saltwater with High Transparency for Windows Against Electromagnetic Pulse (EMP). , 2021, , .		0
126	Transparent Saltwater in Glass Structure: Simultaneous Tunable UHF Antenna and EMI Shielding Window. IEEE Access, 2022, 10, 59037-59047.	2.6	0