

Chang Won Jung

List of Publications by Year in descending order

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126
papers

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128
docs citations

128
times ranked

1472
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Transparent Saltwater in Glass Structure: Simultaneous Tunable UHF Antenna and EMI Shielding Window. IEEE Access, 2022, 10, 59037-59047.	2.6	0
3	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
4	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
5	Transparent Electromagnetic-Wave Shielding Using Liquid Saltwater. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 200-203.	0.0	0
6	Planar Saltwater Analysis for Transparent Electromagnetic Shielding Applications. Journal of Electrical Engineering and Technology, 2021, 16, 2695.	1.2	0
7	A wideband liquid antenna with high optical transparency for ultra-high-definition television applications. Microwave and Optical Technology Letters, 2021, 63, 2628-2633.	0.9	3
8	Correction to "Highly Transparent Planar Dipole Using Liquid Ionized Salt-Water Under Surface Tension Condition for UHD TV Applications" [Jan 21 35-42]. IEEE Transactions on Antennas and Propagation, 2021, 69, 5195-5195.	3.1	0
9	Very Thin Structure based on Metal Mesh and Saltwater with High Transparency for Windows Against Electromagnetic Pulse (EMP). , 2021, , .		0
10	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
11	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
12	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
13	Multilayered salt water with high optical transparency for EMI shielding applications. Scientific Reports, 2020, 10, 21549.	1.6	10
14	High Optical Transparent and Shielding Effectiveness Using Metal Mesh and Saltwater for Transparent EMI Shielding Applications. , 2020, , .		3
15	Internal fork-shaped wideband monopole antenna with a parasitic sleeve for ultra-high-definition television applications. Microwave and Optical Technology Letters, 2019, 61, 2725-2729.	0.9	2
16	Internal Reconfigurable Dipole-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
17	Bandwidth and directivity enhancement of an internal folded monopole antenna loaded by interdigital capacitor for ultra-high-definition television applications. Microwave and Optical Technology Letters, 2019, 61, 2126-2133.	0.9	1
18	Optimization method of implantable receiver for magnetic resonant wireless power transfer between wearable on-body and implantable in-body. Microwave and Optical Technology Letters, 2019, 61, 1545-1549.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Wideband internal dipole loop antenna with switchable and tunable frequency operation for ultra-high-definition television. IET Microwaves, Antennas and Propagation, 2019, 13, 623-630.	0.7	2
20	Compact broadband internal monopole antenna with parasitic strips and sleeve feed for UHD-TV applications. IET Microwaves, Antennas and Propagation, 2019, 13, 2096-2101.	0.7	3
21	Transparent dual-band monopole antenna using a 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
22	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
23	Transparent Patch Antenna Using Metal Mesh. IEEE Transactions on Antennas and Propagation, 2018, 66, 2095-2100.	3.1	102
24	Optically transparent microstripline with micro- and wired-metal mesh. Microwave and Optical Technology Letters, 2018, 60, 374-378.	0.9	1
25	MR-WPT With Reconfigurable Resonator and Ground for Laptop Application. IEEE Microwave and Wireless Components Letters, 2018, 28, 269-271.	2.0	25
26	Transparent antenna using a 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
27	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
28	Wideband internal PIFA loop antenna designed on the bezel of digital television applications for UHF band. Electronics Letters, 2018, 54, 1260-1262.	0.5	9
29	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
30	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
31	Textile resonators using a sintered metal conductor for wearable MR-WPT with high efficiency and wearability. Microwave and Optical Technology Letters, 2017, 59, 668-672.	0.9	2
32	Magnetic resonance wireless power transfer for laptop computer with a ground plane. Microwave and Optical Technology Letters, 2017, 59, 514-521.	0.9	7
33	Transparent microstrip line with IZTO/AG/IZTO multilayer electrode. Microwave and Optical Technology Letters, 2017, 59, 1161-1164.	0.9	5
34	Textile Resonators With Thin Copper Wire for Wearable MR-WPT System. IEEE Microwave and Wireless Components Letters, 2017, 27, 91-93.	2.0	26
35	Magnetic resonant wireless power transfer for transparent laptop applications using metal mesh film. Microwave and Optical Technology Letters, 2017, 59, 2781-2785.	0.9	2
36	Transfer efficiency of a misalignment of resonators in MR-WPT for a laptop computer with SGR. Microwave and Optical Technology Letters, 2017, 59, 2016-2021.	0.9	2

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37	Transparent Microstrip Patch Antennas With Multilayer and Metal-Mesh Films. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 772-775.	2.4	91
38	3D spatial efficiency optimisation of MR-WPT using a reconfigurable resonator array for laptop applications. IET Microwaves, Antennas and Propagation, 2017, 11, 1594-1602.	0.7	8
39	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
40	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
41	Transparent UWB Antenna with IZTO/Ag/IZTO Multilayer Electrode Film. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	0.7	11
42	Efficiency optimization of WPT system with a planar receiver for mobile applications. Microwave and Optical Technology Letters, 2016, 58, 1817-1819.	0.9	12
43	Analysis of radio frequency power transmission between in/on-body beam-reconfigurable antennas in the medradio band. Microwave and Optical Technology Letters, 2016, 58, 1163-1169.	0.9	0
44	Analysis of MR-WPT using planar textile resonators for wearable applications. IET Microwaves, Antennas and Propagation, 2016, 10, 1541-1546.	0.7	21
45	Small-sized metallic and transparent film resonators for MR-WPT system. Electronics Letters, 2016, 52, 650-652.	0.5	3
46	Transparent and Flexible Antenna for Wearable Glasses Applications. IEEE Transactions on Antennas and Propagation, 2016, 64, 2797-2804.	3.1	128
47	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
48	Efficiency optimization using reconfigurable resonators for MR-WPT in laptop computers. Microwave and Optical Technology Letters, 2016, 58, 3000-3003.	0.9	4
49	Transparent electrode resonators for MR-WPT. , 2016, , .		1
50	Wearable and implantable magnetic resonant wireless power transfer. , 2016, , .		2
51	Radiation-Pattern Reconfigurable Antenna for Medical Implants in MedRadio Band. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 106-109.	2.4	35
52	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
53	Wideband double-negative reconfigurable metamaterial using a complementary split-ring resonator with a via-hole. Microwave and Optical Technology Letters, 2015, 57, 2687-2690.	0.9	1
54	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

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55	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
56	A flexible and transparent antenna on a polyimide substrate for laptop computers. , 2015, , .		4
57	Radiation-Pattern-Reconfigurable Antenna Using Monopole-Loop for Fitbit Flex Wristband. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 269-272.	2.4	39
58	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
59	Design of transparent multilayer film antenna for wireless communication. Electronics Letters, 2015, 51, 12-14.	0.5	29
60	A flexible and transparent antenna on a polyamide substrate for laptop computers. Microwave and Optical Technology Letters, 2015, 57, 1038-1042.	0.9	37
61	Analysis of spatial/polarization diversity using a broadband slot-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
62	Wearable fabric reconfigurable beam steering antenna for on/off-body communication system. , 2015, , .		1
63	Analysis of WPT system using rearranged indirect-fed method for mobile applications. , 2015, , .		3
64	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
65	Wearable fabric antenna on upper arm for MedRadio band applications with reconfigurable beam capability. Electronics Letters, 2015, 51, 1314-1316.	0.5	11
66	Wireless power transfer for mobile devices with consideration of ground effect. , 2015, , .		2
67	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
68	Impact of Dielectric Constant on Embedded Antenna Efficiency. International Journal of Antennas and Propagation, 2014, 2014, 1-6.	0.7	9
69	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
70	Dual-band slot-coupled patch antenna with broad bandwidth and high directivity for WLAN access point. Electronics Letters, 2014, 50, 726-728.	0.5	24
71	A Compact Frequency-Reconfigurable Multiband LTE MIMO Antenna for Laptop Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1389-1392.	2.4	67
72	Pattern-Reconfigurable MIMO Antenna for High Isolation and Low Correlation. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1373-1376.	2.4	40

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73	Frequency-Reconfigurable Antenna for Broadband Airborne Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 189-192.	2.4	41
74	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
75	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
76	Double-negative reconfigurable resonator with cross-polarised split rings. Electronics Letters, 2013, 49, 820-821.	0.5	4
77	3-D beam steering antenna for beam - Reconfigurable system. , 2013, , .		0
78	New Configuration of Handset MIMO Antenna for LTE 700 Band Applications. International Journal of Antennas and Propagation, 2013, 2013, 1-6.	0.7	6
79	CPWG-fed reconfigurable beam steering antenna using dipole and loop combined structure. , 2012, , .		1
80	Chip-level calibration method using improved NFP and CPPs and MPs for the NFS standardization. , 2012, , .		0
81	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
82	Ground Plane With Loop Structure for Reducing User's Hand Effect. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 450-452.	2.4	6
83	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
84	Textile patch antennas using double layer fabrics for wrist-wearable applications. Microwave and Optical Technology Letters, 2012, 54, 2697-2702.	0.9	16
85	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
86	Closely Mounted Compact Wideband Diversity Antenna for Mobile Phone Applications. International Journal of Antennas and Propagation, 2012, 2012, 1-6.	0.7	6
87	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
88	Reconfigurable Beam-Steering Antenna Using Dipole and Loop Combined Structure for Wearable Applications. ETRI Journal, 2012, 34, 1-8.	1.2	14
89	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
90	Diversity and MIMO antenna for multi-band mobile handset applications. , 2011, , .		2

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91	Multiband LTE MIMO antenna for laptop applications. , 2011, , .		2
92	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
93	Octaband Internal Antenna for 4G Mobile Handset. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 817-819.	2.4	55
94	Single patch beam steering antenna with U-slot for wearable fabric applications. , 2011, , .		2
95	Reconfigurable beam steering antenna using double loops. , 2011, , .		0
96	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
97	Reconfigurable 3D beam steering for intelligent antenna system. Microwave and Optical Technology Letters, 2011, 53, 2615-2619.	0.9	4
98	Compact dual-band multiple input multiple output antenna with high isolation performance. Microwave and Optical Technology Letters, 2010, 52, 2808-2811.	0.9	2
99	A Novel Membrane Process for RF MEMS Switches. Journal of Microelectromechanical Systems, 2010, 19, 715-717.	1.7	2
100	Low-Cost H -Band Patch Array Antenna for High-Sensitivity EM Sensor. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 982-985.	2.4	7
101	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
102	DVB-H antenna with broadband LC matching circuit for PMP applications. , 2009, , .		1
103	Compact PIFA / slot antenna for quad-band mobile handset applications. , 2009, , .		0
104	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
105	Design concept of multiband antennas under the influence of the human body. Microwave and Optical Technology Letters, 2009, 51, 513-515.	0.9	0
106	DVB-H antenna structure using ZnO hexagonal ferrite for folder-type mobile phones. Microwave and Optical Technology Letters, 2009, 51, 2196-2199.	0.9	2
107	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
108	Low-profile wideband MIMO antenna with suppressing mutual coupling between two antennas. Microwave and Optical Technology Letters, 2008, 50, 1336-1339.	0.9	30

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109	Reconfigurable stacked patch antenna with beamsteering capabilities. , 2008, , .		1
110	Thermal Noise Analysis on the Resistive Vee Dipole Antenna for Ground-Penetrating Radar Applications. , 2008, , .		0
111	Internal DTV antenna on multilayered ferrite substrate for mobile phone applications. , 2008, , .		4
112	Reconfigurable antenna for concurrent operation over cellular and connectivity bands. , 2008, , .		3
113	Triple-band fractal antenna design for handset system. , 2007, , .		1
114	Macro-micro frequency reconfigurable antenna. , 2007, , .		1
115	Multi-port Multi-band Small Antenna Design. , 2007, , .		2
116	A half-moon antenna with tilt angles for wideband applications. Microwave and Optical Technology Letters, 2007, 49, 2171-2174.	0.9	2
117	In-line RF-MEMS series switches for reconfigurable antenna applications. Microwave and Optical Technology Letters, 2007, 49, 3130-3134.	0.9	1
118	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
119	Monolithic integrated re-configurable antenna with RF-MEMS switches fabricated on printed circuit board. , 2005, , .		0
120	Development of RF-MEMS switch on PCB substrates with polyimide planarization. IEEE Sensors Journal, 2005, 5, 950-955.	2.4	13
121	A dual-band antenna for WLAN applications by double rectangular patch with 4-bridges. , 2004, , .		10
122	Dual circular polarization of tilted beam by a single arm rectangular spiral antenna. , 2004, , .		2
123	RF MEMS capacitive switch with isolation valley at lower frequency band. , 2004, 5389, 92.		0
124	A frequency-reconfigurable circularly polarized patch antenna by integrating MEMS switches. , 0, , .		8
125	RF-MEMS capacitive series switches of CPW and MSL configurations for reconfigurable antenna application. , 0, , .		7
126	Reconfigurable multi-beam spiral antenna with RF-MEMS capacitive series switches fabricated on rigid substrates. , 0, , .		1