Young Joong Yoon

List of Publications by Year
in descending order

97 papers	958 citations	516561 16 h-index	501076 28 g-index
97 all docs	97 docs citations	97 times ranked	890 citing authors

#	Article	IF	Citations
1	Compact Two-Layer Rotman Lens-Fed Microstrip Antenna Array at 24 GHz. IEEE Transactions on Antennas and Propagation, 2011, 59, 460-466.	3.1	93
2	Design of PIFA With Metamaterials for Body-SAR Reduction in Wearable Applications. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 297-300.	1.4	66
3	Broadband Microstrip Reflectarray With Five Parallel Dipole Elements. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1109-1112.	2.4	64
4	Beamforming Lens Antenna on a High Resistivity Silicon Wafer for 60 GHz WPAN. IEEE Transactions on Antennas and Propagation, 2010, 58, 706-713.	3.1	59
5	Wideband Radar Cross-Section Reduction on Checkerboard Metasurfaces With Surface Wave Suppression. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 896-900.	2.4	51
6	A harmonic suppression antenna for an active integrated antenna. IEEE Microwave and Wireless Components Letters, 2003, 13, 54-56.	2.0	44
7	Small Antenna With a Coupling Feed and Parasitic Elements for Multiband Mobile Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 290-293.	2.4	36
8	Microstrip-fed slot antennas with suppressed harmonics. IEEE Transactions on Antennas and Propagation, 2005, 53, 2809-2817.	3.1	35
9	Singleâ€layer reflectarray with combination of element types. Electronics Letters, 2014, 50, 574-576.	0.5	34
10	Multiband Folded Slot Antenna With Reduced Hand Effect for Handsets. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 674-677.	2.4	30
11	Square Ring Element Reflectarrays With Improved Radiation Characteristics by Reducing Reflection Phase Sensitivity. IEEE Transactions on Antennas and Propagation, 2015, 63, 814-818.	3.1	25
12	A novel fully integrated transmitter front-end with high power-added efficiency. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 3206-3214.	2.9	24
13	Mode Conversion of High-Power Electromagnetic Microwave Using Coaxial-Beam Rotating Antenna in Relativistic Backward-Wave Oscillator. IEEE Transactions on Plasma Science, 2010, 38, 1391-1397.	0.6	19
14	Nonâ€resonant conductor reflectarray element for linear reflection phase. Electronics Letters, 2015, 51, 669-671.	0.5	19
15	A Broadband Dual-Metallic-Reflectarray Antenna for Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 856-859.	2.4	17
16	Wideband Design of the Fully Integrated Transmitter Front-End With High Power-Added Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 916-924.	2.9	16
17	A dual spiral antenna for Ultra-wideband capsule endoscope system. , 2008, , .		16
18	5G Dual (S-/Ka-) Band Antenna Using Thick Patch Containing Slotted Cavity Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1008-1012.	2.4	16

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19	Novel slot antennas for harmonic suppression. IEEE Microwave and Wireless Components Letters, 2004, 14, 286-288.	2.0	15
20	Design of Noninvasive Hyperthermia System Using Transmit-Array Lens Antenna Configuration. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 857-860.	2.4	14
21	Axially symmetric dualâ€reflectarray antennas. Electronics Letters, 2014, 50, 908-910.	0.5	13
22	Adaptive Triangular Deployment of Underwater Wireless Acoustic Sensor Network considering the Underwater Environment. Journal of Sensors, 2019, 2019, 1-11.	0.6	13
23	Compact Microwave Radiator for Improving Heating Uniformity in Hyperthermia System. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1345-1348.	2.4	12
24	Effects on electronics exposed to high-power microwaves on the basis of a relativistic backward-wave oscillator operating on the X-band. Journal of Electromagnetic Waves and Applications, 2017, 31, 1875-1901.	1.0	11
25	Modeling the Indoor Channel for the MIMO System using Dual Polarization Antennas. , 2006, , .		10
26	Compact Spiral Element for Wideband Beam-Steering Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1994-1997.	2.4	10
27	Gain enhancement technique for an antipodal vivaldi antenna. , 2015, , .		9
28	Small-sized Spiral Dipole Antenna for RFID Transponder of UHF Band. , 0, , .		8
29	High-impedance Surface with Nonidentical Lattices. , 2008, , .		8
30	Multi-band coupled feed loop antenna for mobile handset. , 2009, , .		8
31	Ultraâ€wideband reconfigurable radiation pattern antenna for diversity applications. Electronics Letters, 2015, 51, 2086-2087.	0.5	8
32	Evaluation of Transmit-Array Lens Antenna for Deep-Seated Hyperthermia Tumor Treatment. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 866-870.	2.4	8
33	Wideband printed fat dipole fed by tapered microstrip balun. , 0, , .		7
34	A dual spiral antenna for wideband capsule endoscope system. , 2007, , .		7
35	Low profile dual-band reflector antenna with dual resonant AMC. , 2011, , .		7
36	Dual-frequency small-chip meander antenna. Microwave and Optical Technology Letters, 2002, 35, 274-277.	0.9	6

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37	A conical spiral antenna for wideband capsule endoscope system. , 2008, , .		6
38	Internal mobile antenna for LTE / GSM850 / GSM900 / PCS1900 / WiMAX / WLAN. , 2010, , .		6
39	Branched dipole array applicator for superficial hyperthermia system. , 2012, , .		6
40	Performance Analysis of a Short-Pulse Marx Generator for High-Power Relativistic Applications With a Solution Load. IEEE Transactions on Plasma Science, 2015, 43, 2174-2181.	0.6	6
41	Wideband printed dipole antenna for multiple wireless services. , 0, , .		5
42	Reflectarray with EBG elements for improved radiation characteristics. Electronics Letters, 2013, 49, 975-976.	0.5	5
43	Broadband Modified Proximity Coupled Patch Antenna with Cavity-Backed Configuration. Journal of Electromagnetic Engineering and Science, 2021, 21, 8-14.	0.7	5
44	Four-Arm Sinuous Antenna With Low Input Impedance for Wide Gain Bandwidth. IEEE Access, 2022, 10, 35265-35272.	2.6	5
45	Compact Wideband Loop Antenna for Earbuds. IEEE Access, 2022, 10, 47340-47347.	2.6	5
46	Planar array applicator for the non-invasive local hyperthermia system. , 2013, , .		4
47	Miniaturized Four-Arm Log-Periodic Toothed Antenna With Wide Bandwidth. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 745-749.	2.4	4
48	Electrically small antenna with frequency tuning circuit for wideband applications. Microwave and Optical Technology Letters, 2008, 50, 244-247.	0.9	3
49	One-dimensional flat parabola antenna using synthesized EBG textures. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
50	Beam tilted base station antenna with electromagnetic gradient surface. , 2010, , .		3
51	Array structure for uniform heat distribution with modified dipole elements. , 2012, , .		3
52	Mesoband Pulse Radiator Design With Circuit Model Analysis of Spark Gap Switch. IEEE Transactions on Plasma Science, 2013, 41, 3143-3150.	0.6	3
53	Experimental Results of an E-Field Probe Using Variable Resistors to Improve Performance. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1369-1372.	2.4	3
54	Optimal element arrangement of folded reflectarray for high aperture efficiency. , 2017, , .		3

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55	Switched Folded Slot Phased Array Antenna for mm Wave 5G Mobile in Metal Bezel Design. , 2018, , .		3
56	Artificial surface with asymmetric reflection properties. , 2008, , .		2
57	A 60 GHz Rotman lens on a silicon wafer for system-on-a-chip and system-in-package applications. , 2009, , .		2
58	A new type of the matching structure of a H-plane T-junction for a high power system. , 2010, , .		2
59	Wideband antenna for mobile terminals using a coupled feeding structure. , 2011, , .		2
60	Design of FSS unit-cell integrated in water bolus for microwave biomedical application. , 2014, , .		2
61	Asymmetric Ground Rotman Lens for Multilayer Packages. IEEE Microwave and Wireless Components Letters, 2014, 24, 303-305.	2.0	2
62	W-band microstrip reflectarray with double-cross element for bandwidth improvement. , 2015, , .		2
63	Design of FSS unit-cell for energy concentration on deep-seated human tissue. , 2017, , .		2
64	Analysis of the quality factor of input cavity with intense beam loading in a relativistic vacuum tube. IET Science, Measurement and Technology, 2017, 11, 141-148.	0.9	2
65	Wideband and compact microstrip tapered balun with circular slot and double dielectric layer. , 2017, , .		2
66	A low-profile spiral termination helical antenna. , 2017, , .		2
67	Millimeter-Wave Triple-Resonance Substrate Integrated Waveguide Cavity-Backed Slot Antenna With Cavity Resonator. , 2019, , .		2
68	Radiation characteristics enhancement of dualâ€polarized antipodal Vivaldi antenna using doubleâ€slot structure. Microwave and Optical Technology Letters, 2020, 62, 1245-1251.	0.9	2
69	Circularly polarized microstrip Yagi antenna array with tilted beam for improved monopulse characteristics. Microwave and Optical Technology Letters, 2020, 62, 2971-2975.	0.9	2
70	A study on the indoor propagation channel model for MIMO system. , 0, , .		1
71	3D ray-tracing model including effect of inhomogeneous building surface for characterization of wireless communication channel. , 2007, , .		1
72	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

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73	Inverted-F Antenna with modified current distribution for SAR reduction. , 2014, , .		1
74	Design of the E-field probe with variable resistors. , 2014, , .		1
75	Enhanced technique for miniaturization of wideband spiral antenna. , 2015, , .		1
76	Electric field measurement with Electro-Optic sensor of high power W-band gyrotron. , 2016, , .		1
77	Design Analysis of Folded Reflectarray Element for High Aperture Efficiency. , 2018, , .		1
78	Improved Sidelobe Recognition Method Using Boresight Error in a Uniform Circular Array for Wideband Direction Finding System. IEEE Access, 2021, 9, 108062-108068.	2.6	1
79	Ultra-Wideband Cavity-Backed Four-Arm Sinuous Antenna with Low Height and Uniform Gain Characteristics. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 699-707.	0.0	1
80	A Spectrum-Sharing Policy to Implement Effective Local 5G for Smart Factories. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 717-723.	0.0	1
81	A study on the wideband lens amplifier for spatial power combining. Microwave and Optical Technology Letters, 2005, 46, 148-152.	0.9	0
82	A Correlation Analysis with a Deterministic Hallway Angular response model. , 0, , .		0
83	A dual zeroth-order resonance antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
84	One dimensional phase conjugating/retrodirective mirror in millimeter-wave band. , 2010, , .		0
85	Analysis of the loss from a human hand for the reduction of spatial losses. , 2011, , .		0
86	Electrically coupled multi-band antenna with reactance loading. , 2012, , .		0
87	A breakdown study on the split horn antenna radiating high power pulses. , 2013, , .		0
88	Polarization tunable microstrip patch antenna for polarization loss compensation. , 2014, , .		0
89	Compact inverted-F antenna using coupled-feeding structure for penta-band mobile application. , 2015, , .		0
90	Time-domain characteristics of horizontal array antennas using directive UWB pulse radiators. , 2015, , .		0

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91	Insensitive polarization characteristic using novel reflectarray element combined hexa-pole and double rings. , 2015, , .		0
92	Reflection phase error analysis of microstrip reflectarrays. , 2015, , .		0
93	A compact size dual band WIFI antenna using existing components in smartphone. , 2016, , .		0
94	Analysis of transient radiation pattern of a highâ€power bipolar shortâ€pulsed array antenna. IET Microwaves, Antennas and Propagation, 2017, 11, 2043-2048.	0.7	0
95	Dual-band Tapered Slot Antenna for Integrated Biomedical System. , 2018, , .		0
96	Holographic Antenna Using Slotted Hologram Patterns for High Efficiency. , 2020, , .		0
97	Design of Dual-Slot Vivaldi Antenna with Improved Symmetry of Radiation Patterns in E/H-Plane. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 407-413.	0.0	0