

Kang Wook Kim

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.

57
papers

310
citations

11
h-index

14
g-index

69
ext. papers

490
ext. citations

1.7
avg, IF

3.8
L-index

#	Paper	IF	Citations
57	W-Band Modular Antenna/Detector Array for the Electron Cyclotron Emission Imaging System in KSTAR. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2431	2.6	0
56	Wideband High-Gain Double-Sided Dielectric Lens Integrated With a Dual-Bowtie Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 293-297	3.8	7
55	Compact Wideband Coplanar Stripline-to-Microstrip Line Transition Using a Bended Structure on a Two-Layered Substrate. <i>Electronics (Switzerland)</i> , 2021 , 10, 1272	2.6	1
54	Design of an ultra-wideband coplanar strip-to-parallel stripline transition using an analytical model based on conformal mapping. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 1054-1060	1.2	2
53	Generalized Design Technique of Ultra-Wideband Transitions for Quasi-TEM Planar Transmission Lines Based on Analytical Models. <i>IEEE Access</i> , 2021 , 9, 52619-52633	3.5	1
52	Compact Ultra-Wideband Phase Inverter Using Microstrip-CPW-Slotline Transitions. <i>Electronics (Switzerland)</i> , 2021 , 10, 252	2.6	
51	Planar Four-Port Dual Circularly-Polarized MIMO Antenna for Sub-6 GHz Band. <i>IEEE Access</i> , 2020 , 8, 90779-90791	3.5	10
50	Compact eight-port MIMO/diversity antenna with band rejection characteristics. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22170	1.5	11
49	Wideband bended CPS-to-microstrip transition for millimeter-wave antenna-detector module. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 1991-1996	1.2	
48	Ultra-Miniature Circularly Polarized CPW-Fed Implantable Antenna Design and its Validation for Biotelemetry Applications. <i>Scientific Reports</i> , 2020 , 10, 6795	4.9	13
47	Multiple-input-multiple-output/diversity antenna with dual band-notched characteristics for ultra-wideband applications. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 336-345	1.2	24
46	A Compact C-Band Bandpass Filter with an Adjustable Dual-Band Suitable for Satellite Communication Systems. <i>Electronics (Switzerland)</i> , 2020 , 9, 1088	2.6	13
45	Compact Planar Super-Wideband Monopole Antenna with Four Notched Bands. <i>Electronics (Switzerland)</i> , 2020 , 9, 1204	2.6	4
44	Anisotropic meta-surface-based wideband high gain circularly polarized patch antenna. <i>Electromagnetics</i> , 2020 , 40, 594-604	0.8	
43	Dual Circularly Polarized Planar Four-Port MIMO Antenna with Wide Axial-Ratio Bandwidth. <i>Sensors</i> , 2020 , 20,	3.8	11
42	Design of an Ultra-Wideband Microstrip-to-Slotline Transition on Low-Permittivity Substrate. <i>Electronics (Switzerland)</i> , 2020 , 9, 1329	2.6	2
41	Ultra-Wideband Trapezoidal Log-Periodic Antenna Integrated with an Elliptical Lens. <i>Electronics (Switzerland)</i> , 2020 , 9, 2169	2.6	3

40	A compact four-port UWB MIMO antenna with connected ground and wide axial ratio bandwidth. <i>International Journal of Microwave and Wireless Technologies</i> , 2020 , 12, 75-85	0.8	12
39	Wideband High-Gain Circularly-Polarized Low RCS Dipole Antenna With a Frequency Selective Surface. <i>IEEE Access</i> , 2019 , 7, 156592-156602	3.5	5
38	Low profile multiband rectenna for efficient energy harvesting at microwave frequencies. <i>International Journal of Electronics</i> , 2019 , 106, 2057-2071	1.2	12
37	Compact low-loss narrow-band duplexer using low-impedance open-loop resonators for K-band radiometers. <i>Review of Scientific Instruments</i> , 2019 , 90, 054705	1.7	
36	Dual notch band UWB antenna with improved notch characteristics. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 925-930	1.2	29
35	A practical double-sided frequency selective surface for millimeter-wave applications. <i>Review of Scientific Instruments</i> , 2018 , 89, 024703	1.7	4
34	4 × 4 MIMO antenna design with folded ground plane for 2.4 GHz WLAN applications. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 395-399	1.2	2
33	Asymmetric Ultra-Wideband Microstrip-to-Coplanar Stripline Transition. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 386-388	2.6	11
32	Dual band double negative (DNG) metamaterial with small frequency ratio. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 2167-2181	1.3	10
31	A Compact Double-Balanced Diode Ring Mixer for Wideband Applications 2018 ,		2
30	Comparative Study of Square and Circular Loop Frequency Selective Surfaces for Millimeter-Wave Imaging Diagnostics Systems. <i>Sensors</i> , 2018 , 18,	3.8	4
29	Design of a Suspended Stripline Narrow Bandpass Filter with Ultrawideband Harmonic Suppression. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-6	1.2	1
28	Design of a 75-140 GHz high-pass printed circuit board dichroic filter. <i>Review of Scientific Instruments</i> , 2017 , 88, 034704	1.7	6
27	High-Accuracy AM-FM Radar with an Active Reflector. <i>Journal of Sensors</i> , 2017 , 2017, 1-8	2	
26	Ultra-wideband multi-section power divider on suspended stripline 2017 ,		5
25	Ultra-wideband transition from stripline to conductor-backed coplanar waveguide. <i>Electronics Letters</i> , 2015 , 51, 996-998	1.1	1
24	A wideband bow-tie antenna using suspended stripline balun. <i>IEICE Electronics Express</i> , 2014 , 11, 20140763-20140767		
23	A Broadband and High Gain Tapered Slot Antenna for W-Band Imaging Array Applications. <i>International Journal of Antennas and Propagation</i> , 2014 , 2014, 1-6	1.2	5

22	Design of a broadband hexagonal-shaped zeroth-order resonance antenna with metamaterials. <i>Journal of the Korean Physical Society</i> , 2014 , 65, 1575-1578	0.6	
21	An effective third harmonic generator using a left-handed nonlinear transmission line. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 568-570	1.2	3
20	A compact wideband ring mixer utilizing a pair of PLANAR transitions for phase inversion. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1919-1922	1.2	5
19	A miniaturized broadband quasi-Yagi antenna for X- to Ku-band applications. <i>IEICE Electronics Express</i> , 2013 , 10, 20120828-20120828	0.5	1
18	Balance Analysis of Microstrip-to-CPS Baluns and Its Effects on Broadband Antenna Performance. <i>International Journal of Antennas and Propagation</i> , 2013 , 2013, 1-9	1.2	3
17	A New Design Method for Ultrawideband Microstrip-to-Suspended Stripline Transitions. <i>International Journal of Antennas and Propagation</i> , 2013 , 2013, 1-9	1.2	8
16	Design of an Ultra-Wideband Transition from Double-Sided Parallel Stripline to Coplanar Waveguide. <i>International Journal of Antennas and Propagation</i> , 2013 , 2013, 1-8	1.2	3
15	Design of Compact and Broadband Quasi-Yagi Antenna Using Balance Analysis of the Balun. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2013 , 24, 27-35	0.3	3
14	Analysis of Coplanar Waveguide With a Bottom Ground Aperture. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 550-552	2.6	2
13	Design of a tunable oscillator using a suspended-stripline resonator 2012 ,		5
12	A Compact Wideband Ring Coupler Utilizing a Pair of Transitions for Phase Inversion. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 25-27	2.6	11
11	A Pair of Ultra-Wideband Planar Transitions for Phase Inversion Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 492-494	2.6	6
10	Ultra-Wideband Fermi Antenna Using Microstrip-to-CPS Balun. <i>IEICE Transactions on Communications</i> , 2010 , E93-B, 2219-2222	0.5	2
9	Ultra-wideband components using a microstrip-to-CPS balun 2009 ,		2
8	Design of quasi-Yagi antennas using an ultra-wideband balun. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2068-2071	1.2	16
7	Resonant transmission enhancement with a subwavelength aperture 2007 ,		1
6	A New Ultra-wideband Microstrip-to-CPS Transition. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , 2007 ,		19
5	Implementation of a low-cost phase-locked loop clock-recovery module for 40-Gb/s optical receivers. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 312-315	1.2	2

4	A conically coupled waveguide-to-coaxial line transition in a reduced-height waveguide for compact transceivers. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 669-673	1.2	2
3	Implementation of low-cost 60 GHz self-heterodyne transceiver modules for WPAN applications 2005 ,		1
2	Implementation of a phase-locked loop clock recovery module for 40 Gb/s optical receivers 2005 ,		2
1	New dielectric-covered waveguide-to-microstrip transitions for Ka-band transceivers		1