Jong-Won Yu

List of Publications by Year in Descending Order

103 papers	1,186 citations	17 h-index	32 g-index
127 ext. papers	1,495 ext. citations	2.8 avg, IF	4.58 L-index

#	Paper	IF	Citations
103	Robust CFAR Detector with Ordered Statistic of Sub-Reference Cells in Multiple Target Situations. *IEEE Access*, **2022**, 1-1	3.5	
102	Shorted Trapezoidal SIW Antenna with Quasi-Hemispherical Pattern for 2D Wide Scanning Planar Phased Array Antenna. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1	4.9	2
101	Gain Enhanced Wide Azimuth Beam Antenna Using Half-Mode Substrate Integrated Waveguide Cavity for Automotive Rear-View Mirror Application. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	1
100	28/38 GHz Dual-Band Vertically Stacked Dipole Antennas on Flexible Liquid Crystal Polymer Substrates for Millimeter-Wave 5G Cellular Handsets. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	1
99	Efficiency-Improved UWB Transparent Antennas Using ITO/Ag/ITO Multilayer Electrode Films. *IEEE Access*, **2021**, 9, 165385-165393	3.5	1
98	Microstrip-line type bruce array antenna with wide fan beam and high gain. *Journal of Electromagnetic Waves and Applications*, **2021**, 35, 813-821	1.3	1
97	A Compact Cavity-Backed Slot Antenna Using Dual Mode for IoT Applications. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 317-321	3.8	5
96	Fast ISAR motion compensation using improved stage-by-stage approaching algorithm. *Journal of Electromagnetic Waves and Applications*, **2021**, 35, 1587-1600	1.3	0
95	Maximum Efficiency Point Tracking Scheme for Loosely Coupled Multiple-Receiver Wireless Power Charging System With Mutual Inductance Tracking. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 69, 378-386	4.1	2
94	Wideband Circularly Polarized Antenna With Reconfigurable 2-Dimensional Axial Ratio Beamwidth. *IEEE Access*, **2021**, 9, 79927-79935	3.5	0
93	Wideband Circularly Polarized Phased Array Antenna System for Wide Axial Ratio Scanning. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	3
92	Accuracy-Enhanced Angle-of-Arrival Finding System Using Switched Six-Port Network. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 219-223	3.8	0
91	Gain-Enhanced Cavity-Backed Cross Slot Antenna With Truncated Ground Walls. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 4293-4301	4.9	1
90	All-Around Beam Switched Antenna With Dual Polarization for Drone Communications. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 4930-4934	4.9	13
89	Coupler Integrated Microstrip Patch Linear Phased Array for Self-Calibration. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1615-1619	3.8	4
88	Quasi-hemispherical region scanning phased array system using triangular SIW antenna elements with short ends. *IEICE Electronics Express*, **2020**, 17, 20200041-20200041	0.5	1
87	Fast Fourier-Domain Optimization Using Hybrid L1/L ${}_{p}$ -Norm for Autofocus in Airborne SAR Imaging. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 7934-7954	8.1	4

86	A Compact Circular Polarization Antenna Using Folded Ground Elements. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 3472-3477	4.9	3
85	Quasi-Yagi Antenna Array With Modified Folded Dipole Driver for mmWave 5G Cellular Devices. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 971-975	3.8	36
84	Tilted-Beam Switched Array Antenna for UAV Mounted Radar Applications with 360□Coverage. *Electronics (Switzerland)*, **2019**, 8, 1240	2.6	7
83	Retro-directive Array Antenna With Parabolic Shape Structure for Short-range Microwave Power Transfer **2019**,		1
82	Wide-Angle Scanning Phased Array Antenna using High Gain Pattern Reconfigurable Antenna Elements. *Scientific Reports*, **2019**, 9, 18391	4.9	13
81	BLT analysis method for a TWP over ground based on chain scattering parameters. *Journal of Electromagnetic Waves and Applications*, **2019**, 33, 419-427	1.3	
80	Pattern Reconfigurable High Gain Spherical Dielectric Resonator Antenna Operating on Higher Order Mode. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 128-132	3.8	24
79	Microwave Power Transfer With Optimal Number of Rectenna Arrays for Midrange Applications. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 155-159	3.8	42
78	Single-Switch-Based High-Power Bipolar Pulse Generator With Inverted U-Shaped Parallel-Plate Transmission Line. *IEEE Transactions on Microwave Theory and Techniques*, **2018**, 66, 2425-2432	4.1	2
77	Differential Fed Bilateral Slotline Dipole on Flexible PCB for mm-Wave 5G Mobile Terminal **2018**,		2
76	Improved Prediction of the Wideband Beam Pattern Shape of Antenna Array Based on Infinitesimal Dipole Modeling. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 2309-2313	3.8	2
75	Design of Maximum Efficiency Tracking Control Scheme for Closed-Loop Wireless Power Charging System Employing Series Resonant Tank. *IEEE Transactions on Power Electronics*, **2017**, 32, 471-478	7.2	123
74	Dual-Band Half-Elliptic Hoof Antenna With Mathieu Function for a Femto-Cell Network. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 1047-1054	4.9	3
73	Hybrid Power Combining Rectenna Array for Wide Incident Angle Coverage in RF Energy Transfer. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 3409-3418	4.1	49
72	An automotive stacked ceramic patch antenna with an integrated GNSS and SDARS antenna **2017**,		1
71	Compact Antenna Module With Optimized Tx-to-Rx Isolation for Monostatic RFID. *IEEE Microwave and Wireless Components Letters*, **2017**, 27, 1161-1163	2.6	6
70	High gain spherical DRA operating on higher-order mode excited by microstrip patch. *IEICE Electronics Express*, **2017**, 14, 20171049-20171049	0.5	7
69	Reconfigurable 4 □4 multi-port amplifier with switchable input and output matrices. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 1312-1321	1.6	3

68	Analysis of multi-port amplifier calibration for optimal magnitude and phase error detection. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 102-110	1.6	2
67	1-port Measurement Method of the Coupling Factor and Receiver Q for Spatial and State Freedom in Wireless Power Transfer Systems. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 4098-4102	4.9	2
66	Complex conjugate matching technique for wireless power transfer with multiple inductive coupled resonators. *Microwave and Optical Technology Letters*, **2016**, 58, 2291-2294	1.2	
65	Quadruple-feed beam-controlled antenna array for the localisations of ultra-high-frequency radio-frequency identification tags. *IET Microwaves, Antennas and Propagation*, **2015**, 9, 923-932	1.6	1
64	Field Analysis and Measurement of Antiparallel Resonant Loop for Wireless Charging. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1459-1462	3.8	5
63	Selectable sectoral antenna array using a quadruple feeding network for item-level tagging in UHF RFID applications. *Microwave and Optical Technology Letters*, **2015**, 57, 1523-1526	1.2	
62	EM/light hybrid energy harvesting with directional dipole antenna for IoT sensor **2015**,		5
61	Dual Resonance Frequency Selective Loop of Near-Field Wireless Charging and Communications Systems for Portable Device. *IEEE Microwave and Wireless Components Letters*, **2015**, 25, 624-626	2.6	7
60	Reconfigurable 2 $,times,$ 2 Multi-Port Amplifier Using Switching Mode Hybrid Matrices. *IEEE Microwave and Wireless Components Letters*, **2014**, 24, 129-131	2.6	6
59	K-band reconfigurable 4 □4 balanced power amplifier for flexible satellite communication applications. *Microwave and Optical Technology Letters*, **2014**, 56, 2820-2822	1.2	
58	Distance-Insensitive Wireless Power Transfer and Near-Field Communication Using a Current-Controlled Loop With a Loaded Capacitance. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 936-940	4.9	26
57	Four-port balanced antenna feeding network for switchable polarizations and stable Tx/Rx isolation characteristics. *Microwave and Optical Technology Letters*, **2014**, 56, 17-23	1.2	
56	Reconfigurable antenna feeding network for switchable circular and linear polarizations. *Microwave and Optical Technology Letters*, **2014**, 56, 893-896	1.2	1
55	A compact attenuator integrated phase shifter with switchable trimode operations. *Microwave and Optical Technology Letters*, **2014**, 56, 1798-1800	1.2	2
54	Low side-lobe horn antenna with nonuniform slot array. *Microwave and Optical Technology Letters*, **2014**, 56, 1860-1862	1.2	5
53	Design of compact broadband phase shifter with constant loss variation. *Microwave and Optical Technology Letters*, **2014**, 56, 394-400	1.2	6
52	Scattering From Two Concentric Thick Conducting Cylindrical Cavity-Backed Apertures. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 862-869	4.9	
51	Wide-coverage array antenna using a dual-beam switching for UHF RFID applications **2013**,		5

50	Design of near-field chipless RFID tags and reader based on transmission line **2013**,		3
49	TE Scattering From Concaved Wedges With Longitudinal Corrugations. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 2355-2359	4.9	4
48	Design of Compact Dual-Band Quadruple Inverted-F/L Antenna for GPS L1/L2 Band. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 2276-2279	4.9	17
47	Contactless Energy Transfer Systems Using Antiparallel Resonant Loops. *IEEE Transactions on Industrial Electronics*, **2013**, 60, 350-359	8.9	86
46	Close Proximity Effects of Metallic Environments on the Antiparallel Resonant Coil for Near-Field Powering. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 3400-3403	4.9	12
45	Low cross-polarization array antenna with suspended probe-feed. *Microwave and Optical Technology Letters*, **2013**, 55, 825-829	1.2	
44	RF bio-radar system using a compact lumped six-port demodulator and Quadrifilar Helix antenna **2013**,		1
43	Adaptive load impedance matching using 5-port reflectometer with computationally simple measurement **2013**,		1
42	Hemispheric coverage multi-beam switched antenna array using a 4-port feeding network for UHF RFID dead zone avoidance **2013**,		3
41	Reconfigurable 1 $times$ 4 Power Divider With Switched Impedance Matching Circuits. *IEEE Microwave and Wireless Components Letters*, **2012**, 22, 64-66	2.6	28
40	Microstrip patch array antenna with high isolation characteristic. *Microwave and Optical Technology Letters*, **2012**, 54, 973-976	1.2	9
39	Planar square quadrifilar spiral antenna for mobile RFID reader **2012**,		2
38	3-Mode reconfigurable beam-forming array antenna for mobile WLAN application **2012**,		4
37	Module Integrated Antenna With Circular Polarization for Mobile UHF RFID Reader. *IEEE Transactions on Microwave Theory and Techniques*, **2011**, 59, 1157-1165	4.1	6
36	A design methodology for the 60 GHz CMOS power amplifier using on-chip transformers. *Microwave and Optical Technology Letters*, **2011**, 53, 506-509	1.2	4
35	24-GHz transceiver patch array front-end with a balanced Tx leakage canceller. *Microwave and Optical Technology Letters*, **2011**, 53, 559-562	1.2	1
34	Direct six-port modulator using polyphase networks. *Microwave and Optical Technology Letters*, **2011**, 53, 2321-2324	1.2	4
33	Compact Dual-Band Printed Quadrifilar Antennas for UHF RFID/GPS Operations. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 804-807	3.8	12

32	24 GHz Balanced Doppler Radar Front-End With Tx Leakage Canceller for Antenna Impedance Variation and Mutual Coupling. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 4497-4504	4.9	17
31	Transmitter and Receiver Isolation by Concentric Antenna Structure. *IEEE Transactions on Antennas and Propagation*, **2010**, 58, 3182-3188	4.9	12
30	Design of Compact Quadruple Inverted-F Antenna With Circular Polarization for GPS Receiver. *IEEE Transactions on Antennas and Propagation*, **2010**, 58, 1503-1510	4.9	38
29	Design of Low-Cost Chipless System Using Printable Chipless Tag With Electromagnetic Code. *IEEE Microwave and Wireless Components Letters*, **2010**, 20, 640-642	2.6	71
28	A new six-port receiver architecture using polyphase networks. *Microwave and Optical Technology Letters*, **2010**, 52, 499-502	1.2	3
27	A compact DVB-H Marchand balun using vertically coupling CPW structure. *Microwave and Optical Technology Letters*, **2010**, 52, 1174-1177	1.2	1
26	UHF RFID reader front-end having wideband and stable Tx/Rx isolation characteristic. *Microwave and Optical Technology Letters*, **2010**, 52, 2467-2473	1.2	2
25	A balanced antenna integrated six-port receiver using direct conversion. *Microwave and Optical Technology Letters*, **2010**, 52, 2512-2515	1.2	
24	A design of low-profile triband antenna for emergency call system application. *Microwave and Optical Technology Letters*, **2010**, 52, 2798-2801	1.2	
23	RFID Reader Front-End Having Robust Tx Leakage Canceller for Load Variation. *IEEE Transactions on Microwave Theory and Techniques*, **2009**, 57, 1348-1355	4.1	31
22	Design of quadrifilar spiral antenna with integrated module for UHF RFID reader **2009**,		1
21	Tunable band-notched ultra wideband planar monopole antenna. *Microwave and Optical Technology Letters*, **2009**, 51, 2829-2832	1.2	9
20	Capacitively loaded spiral-shaped resonator for coplanar waveguide. *Microwave and Optical Technology Letters*, **2009**, 51, 3001-3004	1.2	1
19	Helical reflector antenna with a wideband CP for RFID reader **2009**,		2
18	Transmit/receive isolator for UHF RFID reader with wideband balanced directional coupler **2009**,		2
17	CMOS Four-Port Direct Conversion Receiver for BPSK Demodulation. *IEEE Microwave and Wireless Components Letters*, **2009**, 19, 581-583	2.6	3
16	Performance Analysis of Single-Frequency CW Signal-Based I/Q Regeneration in Five-Port Junction-Based Direct Receivers on Rayleigh Fading Channels. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 561-565	3.5	2
15	Tunable Band-notched Ultra Wideband (UWB) Planar Monopole Antennas Using Varactor **2008**,		13

14	Compact Integrated Antenna With Circulator for UHF RFID System. *IEEE Antennas and Wireless Propagation Letters*, **2008**, 7, 673-675	3.8	19
13	Balanced circulator structure with enhanced isolation characteristics. *Microwave and Optical Technology Letters*, **2008**, 50, 2389-2391	1.2	20
12	A high isolated coupled-line passive circulator for UHF RFID reader. *Microwave and Optical Technology Letters*, **2008**, 50, 2597-2600	1.2	9
11	Compact Six-Port Transceiver for Time-Division Duplex Systems. *IEEE Microwave and Wireless Components Letters*, **2007**, 17, 394-396	2.6	30
10	Wideband crossed planar monopole antenna with the band-notched characteristic. *Microwave and Optical Technology Letters*, **2006**, 48, 543-545	1.2	5
9	High Isolation Internal Dual-Band Planar Inverted-F Antenna Diversity System with Band-Notched Slots for MIMO Terminals **2006**,		16
8	Wideband planar monopole antennas with dual band-notched characteristics. *IEEE Transactions on Microwave Theory and Techniques*, **2006**, 54, 2800-2806	4.1	155
7	Multiple band-notched planar monopole antenna for multiband wireless systems. *IEEE Microwave and Wireless Components Letters*, **2005**, 15, 576-578	2.6	62
6	Compact frequency-notched wideband planar monopole antenna with an L-shape ground plane. *Microwave and Optical Technology Letters*, **2005**, 46, 340-343	1.2	12
5	Compact frequency-notched wideband planar monopole antenna with a L-shape ground plane. *Microwave and Optical Technology Letters*, **2005**, 46, 563-566	1.2	8
4	Scattering by a dielectric-loaded nonplanar slit-TM case. *IEEE Transactions on Antennas and Propagation*, **1998**, 46, 598-600	4.9	
3	Squint-less arc array for near-field focusing in wideband systems. *Journal of Electromagnetic Waves and Applications*,1-10	1.3	
2	Wide-angle scanning phased-array system using arc-shorted half elliptic elements. *Journal of Electromagnetic Waves and Applications*,1-11	1.3	
1	A low-sidelobe and wideband dual linearly polarized array antenna for UAV SAR application in X-band. *Journal of Electromagnetic Waves and Applications*,1-12	1.3	