

Jong-Won Yu

List of Publications by Citations

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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	Wideband planar monopole antennas with dual band-notched characteristics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 2800-2806	4.1	155
102	Design of Maximum Efficiency Tracking Control Scheme for Closed-Loop Wireless Power Charging System Employing Series Resonant Tank. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 471-478	7.2	123
101	Contactless Energy Transfer Systems Using Antiparallel Resonant Loops. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 350-359	8.9	86
100	Design of Low-Cost Chipless System Using Printable Chipless Tag With Electromagnetic Code. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 640-642	2.6	71
99	Multiple band-notched planar monopole antenna for multiband wireless systems. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 576-578	2.6	62
98	Hybrid Power Combining Rectenna Array for Wide Incident Angle Coverage in RF Energy Transfer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 3409-3418	4.1	49
97	Microwave Power Transfer With Optimal Number of Rectenna Arrays for Midrange Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 155-159	3.8	42
96	Design of Compact Quadruple Inverted-F Antenna With Circular Polarization for GPS Receiver. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1503-1510	4.9	38
95	Quasi-Yagi Antenna Array With Modified Folded Dipole Driver for mmWave 5G Cellular Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 971-975	3.8	36
94	RFID Reader Front-End Having Robust Tx Leakage Canceller for Load Variation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1348-1355	4.1	31
93	Compact Six-Port Transceiver for Time-Division Duplex Systems. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 394-396	2.6	30
92	Reconfigurable 1 \times 4 Power Divider With Switched Impedance Matching Circuits. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 64-66	2.6	28
91	Distance-Insensitive Wireless Power Transfer and Near-Field Communication Using a Current-Controlled Loop With a Loaded Capacitance. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 936-940	4.9	26
90	Pattern Reconfigurable High Gain Spherical Dielectric Resonator Antenna Operating on Higher Order Mode. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 128-132	3.8	24
89	Balanced circulator structure with enhanced isolation characteristics. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2389-2391	1.2	20
88	Compact Integrated Antenna With Circulator for UHF RFID System. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 673-675	3.8	19
87	Design of Compact Dual-Band Quadruple Inverted-F/L Antenna for GPS L1/L2 Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2276-2279	4.9	17

86	24 GHz Balanced Doppler Radar Front-End With Tx Leakage Canceller for Antenna Impedance Variation and Mutual Coupling. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 4497-4504	4.9	17
85	High Isolation Internal Dual-Band Planar Inverted-F Antenna Diversity System with Band-Notched Slots for MIMO Terminals 2006 ,		16
84	Tunable Band-notched Ultra Wideband (UWB) Planar Monopole Antennas Using Varactor 2008 ,		13
83	All-Around Beam Switched Antenna With Dual Polarization for Drone Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4930-4934	4.9	13
82	Wide-Angle Scanning Phased Array Antenna using High Gain Pattern Reconfigurable Antenna Elements. <i>Scientific Reports</i> , 2019 , 9, 18391	4.9	13
81	Close Proximity Effects of Metallic Environments on the Antiparallel Resonant Coil for Near-Field Powering. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3400-3403	4.9	12
80	Transmitter and Receiver Isolation by Concentric Antenna Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3182-3188	4.9	12
79	Compact Dual-Band Printed Quadrifilar Antennas for UHF RFID/GPS Operations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 804-807	3.8	12
78	Compact frequency-notched wideband planar monopole antenna with an L-shape ground plane. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 340-343	1.2	12
77	Microstrip patch array antenna with high isolation characteristic. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 973-976	1.2	9
76	Tunable band-notched ultra wideband planar monopole antenna. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2829-2832	1.2	9
75	A high isolated coupled-line passive circulator for UHF RFID reader. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2597-2600	1.2	9
74	Compact frequency-notched wideband planar monopole antenna with a L-shape ground plane. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 563-566	1.2	8
73	Tilted-Beam Switched Array Antenna for UAV Mounted Radar Applications with 360° Coverage. <i>Electronics (Switzerland)</i> , 2019 , 8, 1240	2.6	7
72	High gain spherical DRA operating on higher-order mode excited by microstrip patch. <i>IEICE Electronics Express</i> , 2017 , 14, 20171049-20171049	0.5	7
71	Dual Resonance Frequency Selective Loop of Near-Field Wireless Charging and Communications Systems for Portable Device. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 624-626	2.6	7
70	Reconfigurable 2 × 2 Multi-Port Amplifier Using Switching Mode Hybrid Matrices. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 129-131	2.6	6
69	Compact Antenna Module With Optimized Tx-to-Rx Isolation for Monostatic RFID. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 1161-1163	2.6	6

68	Design of compact broadband phase shifter with constant loss variation. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 394-400	1.2	6
67	Module Integrated Antenna With Circular Polarization for Mobile UHF RFID Reader. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1157-1165	4.1	6
66	Field Analysis and Measurement of Antiparallel Resonant Loop for Wireless Charging. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1459-1462	3.8	5
65	Wide-coverage array antenna using a dual-beam switching for UHF RFID applications 2013 ,		5
64	EM/light hybrid energy harvesting with directional dipole antenna for IoT sensor 2015 ,		5
63	Low side-lobe horn antenna with nonuniform slot array. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1860-1862	1.2	5
62	Wideband crossed planar monopole antenna with the band-notched characteristic. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 543-545	1.2	5
61	A Compact Cavity-Backed Slot Antenna Using Dual Mode for IoT Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 317-321	3.8	5
60	Fast Fourier-Domain Optimization Using Hybrid L_1/L_2 -Norm for Autofocus in Airborne SAR Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 7934-7954	8.1	4
59	TE Scattering From Concaved Wedges With Longitudinal Corrugations. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2355-2359	4.9	4
58	A design methodology for the 60 GHz CMOS power amplifier using on-chip transformers. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 506-509	1.2	4
57	Direct six-port modulator using polyphase networks. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 2321-2324	1.2	4
56	3-Mode reconfigurable beam-forming array antenna for mobile WLAN application 2012 ,		4
55	Coupler Integrated Microstrip Patch Linear Phased Array for Self-Calibration. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1615-1619	3.8	4
54	Dual-Band Half-Elliptic Hoof Antenna With Mathieu Function for a Femto-Cell Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1047-1054	4.9	3
53	A Compact Circular Polarization Antenna Using Folded Ground Elements. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3472-3477	4.9	3
52	Reconfigurable 4-port multi-port amplifier with switchable input and output matrices. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1312-1321	1.6	3
51	Design of near-field chipless RFID tags and reader based on transmission line 2013 ,		3

50	Hemispheric coverage multi-beam switched antenna array using a 4-port feeding network for UHF RFID dead zone avoidance 2013 ,		3
49	CMOS Four-Port Direct Conversion Receiver for BPSK Demodulation. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 581-583	2.6	3
48	A new six-port receiver architecture using polyphase networks. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 499-502	1.2	3
47	Wideband Circularly Polarized Phased Array Antenna System for Wide Axial Ratio Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
46	Single-Switch-Based High-Power Bipolar Pulse Generator With Inverted U-Shaped Parallel-Plate Transmission Line. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 2425-2432	4.1	2
45	Analysis of multi-port amplifier calibration for optimal magnitude and phase error detection. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 102-110	1.6	2
44	A compact attenuator integrated phase shifter with switchable trimode operations. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1798-1800	1.2	2
43	Helical reflector antenna with a wideband CP for RFID reader 2009 ,		2
42	Planar square quadrifilar spiral antenna for mobile RFID reader 2012 ,		2
41	Transmit/receive isolator for UHF RFID reader with wideband balanced directional coupler 2009 ,		2
40	UHF RFID reader front-end having wideband and stable Tx/Rx isolation characteristic. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2467-2473	1.2	2
39	Performance Analysis of Single-Frequency CW Signal-Based I/Q Regeneration in Five-Port Junction-Based Direct Receivers on Rayleigh Fading Channels. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 561-565	3.5	2
38	1-port Measurement Method of the Coupling Factor and Receiver Q for Spatial and State Freedom in Wireless Power Transfer Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4098-4102	4.9	2
37	Maximum Efficiency Point Tracking Scheme for Loosely Coupled Multiple-Receiver Wireless Power Charging System With Mutual Inductance Tracking. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 378-386	4.1	2
36	Differential Fed Bilateral Slotline Dipole on Flexible PCB for mm-Wave 5G Mobile Terminal 2018 ,		2
35	Improved Prediction of the Wideband Beam Pattern Shape of Antenna Array Based on Infinitesimal Dipole Modeling. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2309-2313	3.8	2
34	Shorted Trapezoidal SIW Antenna with Quasi-Hemispherical Pattern for 2D Wide Scanning Planar Phased Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	2
33	Quadruple-feed beam-controlled antenna array for the localisations of ultra-high-frequency radio-frequency identification tags. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 923-932	1.6	1

32	Gain-Enhanced Cavity-Backed Cross Slot Antenna With Truncated Ground Walls. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4293-4301	4.9	1
31	An automotive stacked ceramic patch antenna with an integrated GNSS and SDARS antenna 2017 ,		1
30	Reconfigurable antenna feeding network for switchable circular and linear polarizations. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 893-896	1.2	1
29	RF bio-radar system using a compact lumped six-port demodulator and Quadrifilar Helix antenna 2013 ,		1
28	Adaptive load impedance matching using 5-port reflectometer with computationally simple measurement 2013 ,		1
27	24-GHz transceiver patch array front-end with a balanced Tx leakage canceller. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 559-562	1.2	1
26	Design of quadrifilar spiral antenna with integrated module for UHF RFID reader 2009 ,		1
25	Capacitively loaded spiral-shaped resonator for coplanar waveguide. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 3001-3004	1.2	1
24	A compact DVB-H Marchand balun using vertically coupling CPW structure. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1174-1177	1.2	1
23	Gain Enhanced Wide Azimuth Beam Antenna Using Half-Mode Substrate Integrated Waveguide Cavity for Automotive Rear-View Mirror Application. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	1
22	28/38 GHz Dual-Band Vertically Stacked Dipole Antennas on Flexible Liquid Crystal Polymer Substrates for Millimeter-Wave 5G Cellular Handsets. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
21	Efficiency-Improved UWB Transparent Antennas Using ITO/Ag/ITO Multilayer Electrode Films. <i>IEEE Access</i> , 2021 , 9, 165385-165393	3.5	1
20	Microstrip-line type bruce array antenna with wide fan beam and high gain. <i>Journal of Electromagnetic Waves and Applications</i> , 2021 , 35, 813-821	1.3	1
19	Retro-directive Array Antenna With Parabolic Shape Structure for Short-range Microwave Power Transfer 2019 ,		1
18	Quasi-hemispherical region scanning phased array system using triangular SIW antenna elements with short ends. <i>IEICE Electronics Express</i> , 2020 , 17, 20200041-20200041	0.5	1
17	Fast ISAR motion compensation using improved stage-by-stage approaching algorithm. <i>Journal of Electromagnetic Waves and Applications</i> , 2021 , 35, 1587-1600	1.3	0
16	Wideband Circularly Polarized Antenna With Reconfigurable 2-Dimensional Axial Ratio Beamwidth. <i>IEEE Access</i> , 2021 , 9, 79927-79935	3.5	0
15	Accuracy-Enhanced Angle-of-Arrival Finding System Using Switched Six-Port Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 219-223	3.8	0

14	Selectable sectoral antenna array using a quadruple feeding network for item-level tagging in UHF RFID applications. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1523-1526	1.2
13	K-band reconfigurable 4 \times 4 balanced power amplifier for flexible satellite communication applications. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2820-2822	1.2
12	Four-port balanced antenna feeding network for switchable polarizations and stable Tx/Rx isolation characteristics. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 17-23	1.2
11	Scattering From Two Concentric Thick Conducting Cylindrical Cavity-Backed Apertures. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 862-869	4.9
10	Low cross-polarization array antenna with suspended probe-feed. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 825-829	1.2
9	A balanced antenna integrated six-port receiver using direct conversion. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2512-2515	1.2
8	A design of low-profile triband antenna for emergency call system application. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2798-2801	1.2
7	Scattering by a dielectric-loaded nonplanar slit-TM case. <i>IEEE Transactions on Antennas and Propagation</i> , 1998 , 46, 598-600	4.9
6	Complex conjugate matching technique for wireless power transfer with multiple inductive coupled resonators. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2291-2294	1.2
5	BLT analysis method for a TWP over ground based on chain scattering parameters. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 419-427	1.3
4	Squint-less arc array for near-field focusing in wideband systems. <i>Journal of Electromagnetic Waves and Applications</i> , 1-10	1.3
3	Wide-angle scanning phased-array system using arc-shortened half elliptic elements. <i>Journal of Electromagnetic Waves and Applications</i> , 1-11	1.3
2	A low-sidelobe and wideband dual linearly polarized array antenna for UAV SAR application in X-band. <i>Journal of Electromagnetic Waves and Applications</i> , 1-12	1.3
1	Robust CFAR Detector with Ordered Statistic of Sub-Reference Cells in Multiple Target Situations. <i>IEEE Access</i> , 2022 , 1-1	3.5