

Jong-Won Yu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Wideband Circularly Polarized Phased Array Antenna System for Wide Axial Ratio Scanning. IEEE Transactions on Antennas and Propagation, 2022, 70, 1523-1528.	5.1	16
2	Wide-angle scanning phased-array system using arc-shortened half elliptic elements. Journal of Electromagnetic Waves and Applications, 2022, 36, 261-271.	1.6	2
3	A low-sidelobe and wideband dual linearly polarized array antenna for UAV SAR application in X-band. Journal of Electromagnetic Waves and Applications, 2022, 36, 168-179.	1.6	0
4	Gain Enhanced Wide Azimuth Beam Antenna Using Half-Mode Substrate Integrated Waveguide Cavity for Automotive Rear-View Mirror Application. IEEE Transactions on Vehicular Technology, 2022, 71, 33-40.	6.3	5
5	28 GHz and 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, 2022, 70, 3223-3236.	5.1	19
6	Robust CFAR Detector with Ordered Statistic of Sub-Reference Cells in Multiple Target Situations. IEEE Access, 2022, , 1-1.	4.2	3
7	Shorted Trapezoidal SIW Antenna With Quasi-Hemispherical Pattern for 2D Wide Scanning Planar Phased Array Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 7211-7216.	5.1	6
8	Design of Aperture Coupled Ka-Band Phased Array Antenna Using Cavity PCB Process. , 2022, , .		0
9	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.	4.6	3
10	Wideband Circularly Polarized Antenna With Reconfigurable 2-Dimensional Axial Ratio Beamwidth. IEEE Access, 2021, 9, 79927-79935.	4.2	5
11	Accuracy-Enhanced Angle-of-Arrival Finding System Using Switched Six-Port Network. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 219-223.	4.0	3
12	A Compact Cavity-Backed Slot Antenna Using Dual Mode for IoT Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 317-321.	4.0	20
13	Fast ISAR motion compensation using improved stage-by-stage approaching algorithm. Journal of Electromagnetic Waves and Applications, 2021, 35, 1587-1600.	1.6	2
14	Microstrip-line type bruce array antenna with wide fan beam and high gain. Journal of Electromagnetic Waves and Applications, 2021, 35, 813-821.	1.6	3
15	Efficiency-Improved UWB Transparent Antennas Using ITO/Ag/ITO Multilayer Electrode Films. IEEE Access, 2021, 9, 165385-165393.	4.2	9
16	All-Around Beam Switched Antenna With Dual Polarization for Drone Communications. IEEE Transactions on Antennas and Propagation, 2020, 68, 4930-4934.	5.1	24
17	Coupler Integrated Microstrip Patch Linear Phased Array for Self-Calibration. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1615-1619.	4.0	19
18	Gain-Enhanced Cavity-Backed Cross Slot Antenna With Truncated Ground Walls. IEEE Transactions on Antennas and Propagation, 2020, 68, 4293-4301.	5.1	4

#	ARTICLE	IF	CITATIONS
19	Quasi-hemispherical region scanning phased array system using triangular SIW antenna elements with short ends. IEICE Electronics Express, 2020, 17, 20200041-20200041.	0.8	3
20	Tilted-Beam Switched Array Antenna for UAV Mounted Radar Applications with 360° Coverage. Electronics (Switzerland), 2019, 8, 1240.	3.1	15
21	Fast Fourier-Domain Optimization Using Hybrid L ₁ -Norm for Autofocus in Airborne SAR Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7934-7954.	6.3	6
22	A Compact Circular Polarization Antenna Using Folded Ground Elements. IEEE Transactions on Antennas and Propagation, 2019, 67, 3472-3477.	5.1	6
23	Quasi-Yagi Antenna Array With Modified Folded Dipole Driver for mmWave 5G Cellular Devices. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 971-975.	4.0	74
24	Retro-directive Array Antenna With Parabolic Shape Structure for Short-range Microwave Power Transfer. , 2019, , .		6
25	Optimal Sensor Placement Methodology based on FDTD for Partial Discharge Detection in GIS. , 2019, , .		2
26	Design of Aperture Coupled Feeding Ku-Band Phased Array Antenna on Multi-Layer PCB for Satellite Communications. , 2019, , .		2
27	Wide-Angle Scanning Phased Array Antenna using High Gain Pattern Reconfigurable Antenna Elements. Scientific Reports, 2019, 9, 18391.	3.3	25
28	BLT analysis method for a TWP over ground based on chain scattering parameters. Journal of Electromagnetic Waves and Applications, 2019, 33, 419-427.	1.6	0
29	Pattern Reconfigurable High Gain Spherical Dielectric Resonator Antenna Operating on Higher Order Mode. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 128-132.	4.0	37
30	Microwave Power Transfer With Optimal Number of Rectenna Arrays for Midrange Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 155-159.	4.0	62
31	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.	4.6	6
32	A Design of Optimal Rectenna Array for Retrodirective MPT System. , 2018, , .		1
33	Differential Fed Bilateral Slotline Dipole on Flexible PCB for mm-Wave 5G Mobile Terminal. , 2018, , .		2
34	Subarea Approach for Curvature Error Compensation in Spotlight SAR Imaging Using PFA Interpolation. , 2018, , .		0
35	A Reconfigurable Feeder for Combinational Switched-Beam Network. , 2018, , .		2
36	Circularly Polarized High Gain Spherical Dielectric Resonator Antenna Operating on Higher-Order Mode. , 2018, , .		0

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37	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.	4.0	4
38	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.	7.9	181
39	Dual-Band Half-Elliptic Hoop Antenna With Mathieu Function for a Femto-Cell Network. IEEE Transactions on Antennas and Propagation, 2017, 65, 1047-1054.	5.1	4
40	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.	4.6	77
41	Vertically stacked folded dipole antenna using multi-layer for mm-Wave mobile terminals. , 2017, , .		6
42	High gain spherical dielectric resonator antenna using higher-order resonant mode. , 2017, , .		1
43	An automotive stacked ceramic patch antenna with an integrated GNSS and SDARS antenna. , 2017, , .		7
44	Compact Antenna Module With Optimized Tx-to-Rx Isolation for Monostatic RFID. IEEE Microwave and Wireless Components Letters, 2017, 27, 1161-1163.	3.2	10
45	Phase error compensation in fourier domain for fast autofocus of spotlight SAR. , 2017, , .		1
46	High gain spherical DRA operating on higher-order mode excited by microstrip patch. IEICE Electronics Express, 2017, 14, 20171049-20171049.	0.8	8
47	Open-loop maximum efficiency tracking wireless power transfer system for biomedical implants. , 2016, , .		0
48	1-port Measurement Method of the Coupling Factor and Receiver $\langle \mathbf{Q} \rangle$ for Spatial and State Freedom in Wireless Power Transfer Systems. IEEE Transactions on Antennas and Propagation, 2016, 64, 4098-4102.	5.1	3
49	Complex conjugate matching technique for wireless power transfer with multiple inductive coupled resonators. Microwave and Optical Technology Letters, 2016, 58, 2291-2294.	1.4	0
50	Reconfigurable 4 × 4 multi-port amplifier with switchable input and output matrices. IET Microwaves, Antennas and Propagation, 2016, 10, 1312-1321.	1.4	7
51	Analysis of multi-port amplifier calibration for optimal magnitude and phase error detection. IET Microwaves, Antennas and Propagation, 2016, 10, 102-110.	1.4	6
52	Wide-band planar folded loop MIMO antenna with parallel stubs. , 2015, , .		1
53	EM/light hybrid energy harvesting with directional dipole antenna for IoT sensor. , 2015, , .		7
54	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.	3.2	12

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55	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.	1.4	5
56	Field Analysis and Measurement of Antiparallel Resonant Loop for Wireless Charging. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1459-1462.	4.0	6
57	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.	1.4	0
58	A compact and reconfigurable beam pattern ESPAR antenna with automatic impedance matching system. , 2014, , .		3
59	Four-port balanced antenna feeding network for switchable polarizations and stable Tx/Rx isolation characteristics. Microwave and Optical Technology Letters, 2014, 56, 17-23.	1.4	0
60	Reconfigurable antenna feeding network for switchable circular and linear polarizations. Microwave and Optical Technology Letters, 2014, 56, 893-896.	1.4	2
61	A compact attenuator integrated phase shifter with switchable trimode operations. Microwave and Optical Technology Letters, 2014, 56, 1798-1800.	1.4	2
62	Bandwidth enhanced tri-band monopole slot antenna on ultra-thin metal housed devices. , 2014, , .		2
63	Bandwidth enhanced tri-band monopole slot antenna on ultra-thin metal housed devices. , 2014, , .		0
64	Low side-lobe horn antenna with nonuniform slot array. Microwave and Optical Technology Letters, 2014, 56, 1860-1862.	1.4	5
65	Design of compact broadband phase shifter with constant loss variation. Microwave and Optical Technology Letters, 2014, 56, 394-400.	1.4	9
66	Scattering From Two Concentric Thick Conducting Cylindrical Cavity-Backed Apertures. IEEE Transactions on Antennas and Propagation, 2014, 62, 862-869.	5.1	0
67	Reconfigurable 2 × 2 Multi-Port Amplifier Using Switching Mode Hybrid Matrices. IEEE Microwave and Wireless Components Letters, 2014, 24, 129-131.	3.2	9
68	Polarization modulation RF power transport for sensor network. , 2014, , .		1
69	K-band reconfigurable 4 × 4 balanced power amplifier for flexible satellite communication applications. Microwave and Optical Technology Letters, 2014, 56, 2820-2822.	1.4	0
70	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.	5.1	36
71	Wide-coverage array antenna using a dual-beam switching for UHF RFID applications. , 2013, , .		7
72	Design of near-field chipless RFID tags and reader based on transmission line. , 2013, , .		4

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73	TE Scattering From Concaved Wedges With Longitudinal Corrugations. IEEE Transactions on Antennas and Propagation, 2013, 61, 2355-2359.	5.1	6
74	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.	5.1	24
75	Contactless Energy Transfer Systems Using Antiparallel Resonant Loops. IEEE Transactions on Industrial Electronics, 2013, 60, 350-359.	7.9	118
76	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.	5.1	15
77	Low cross-polarization array antenna with suspended probe-feed. Microwave and Optical Technology Letters, 2013, 55, 825-829.	1.4	0
78	RF bio-radar system using a compact lumped six-port demodulator and Quadrifilar Helix antenna. , 2013, , .		2
79	Compact polarization diversity antenna using a pair of parallel dipoles for mobile RFID. , 2013, , .		3
80	Adaptive load impedance matching using 5-port reflectometer with computationally simple measurement. , 2013, , .		2
81	Electronically controlled 2 by 1 arrayed beam forming antenna for UHF RFID reader. , 2013, , .		0
82	Quadruple linear and circular polarized diversity antenna with reconfigurable coupler. , 2013, , .		0
83	Hemispheric coverage multi-beam switched antenna array using a 4-port feeding network for UHF RFID dead zone avoidance. , 2013, , .		5
84	Planar square quadrifilar spiral antenna for mobile RFID reader. , 2012, , .		3
85	Reconfigurable 1 \times 4 Power Divider With Switched Impedance Matching Circuits. IEEE Microwave and Wireless Components Letters, 2012, 22, 64-66.	3.2	36
86	Microstrip patch array antenna with high isolation characteristic. Microwave and Optical Technology Letters, 2012, 54, 973-976.	1.4	11
87	3-Mode reconfigurable beam-forming array antenna for mobile WLAN application. , 2012, , .		5
88	Design of spiral-shaped UHF near-field reader antenna for RFID applications. , 2011, , .		3
89	Compact Dual-Band Printed Quadrifilar Antennas for UHF RFID/GPS Operations. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 804-807.	4.0	18
90	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.	5.1	21

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91	Module Integrated Antenna With Circular Polarization for Mobile UHF RFID Reader. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1157-1165.	4.6	7
92	Dual-frequency antenna for HF/UHF handheld RFID reader. , 2011, , .		4
93	A design methodology for the 60 GHz CMOS power amplifier using on-chip transformers. Microwave and Optical Technology Letters, 2011, 53, 506-509.	1.4	6
94	24-GHz transceiver patch array front-end with a balanced Tx leakage canceller. Microwave and Optical Technology Letters, 2011, 53, 559-562.	1.4	1
95	Direct six-port modulator using polyphase networks. Microwave and Optical Technology Letters, 2011, 53, 2321-2324.	1.4	4
96	A new six-port receiver architecture using polyphase networks. Microwave and Optical Technology Letters, 2010, 52, 499-502.	1.4	3
97	A compact DVB-H Marchand balun using vertically coupling CPW structure. Microwave and Optical Technology Letters, 2010, 52, 1174-1177.	1.4	2
98	UHF RFID reader front-end having wideband and stable Tx/Rx isolation characteristic. Microwave and Optical Technology Letters, 2010, 52, 2467-2473.	1.4	4
99	A balanced antenna integrated six-port receiver using direct conversion. Microwave and Optical Technology Letters, 2010, 52, 2512-2515.	1.4	0
100	A design of low-profile triband antenna for emergency call system application. Microwave and Optical Technology Letters, 2010, 52, 2798-2801.	1.4	0
101	Transmitter and Receiver Isolation by Concentric Antenna Structure. IEEE Transactions on Antennas and Propagation, 2010, 58, 3182-3188.	5.1	15
102	Design of Compact Quadruple Inverted-F Antenna With Circular Polarization for GPS Receiver. IEEE Transactions on Antennas and Propagation, 2010, 58, 1503-1510.	5.1	45
103	Design of Low-Cost Chipless System Using Printable Chipless Tag With Electromagnetic Code. IEEE Microwave and Wireless Components Letters, 2010, 20, 640-642.	3.2	80
104	RFID Reader Front-End Having Robust Tx Leakage Canceller for Load Variation. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1348-1355.	4.6	34
105	Design of quadrifilar spiral antenna with integrated module for UHF RFID reader. , 2009, , .		3
106	Tunable band-notched ultra wideband planar monopole antenna. Microwave and Optical Technology Letters, 2009, 51, 2829-2832.	1.4	12
107	Capacitively loaded spiral-shaped resonator for coplanar waveguide. Microwave and Optical Technology Letters, 2009, 51, 3001-3004.	1.4	2
108	Helical reflector antenna with a wideband CP for RFID reader. , 2009, , .		7

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109	Transmit/receive isolator for UHF RFID reader with wideband balanced directional coupler. , 2009, , .		5
110	CMOS Four-Port Direct Conversion Receiver for BPSK Demodulation. IEEE Microwave and Wireless Components Letters, 2009, 19, 581-583.	3.2	5
111	Balanced circulator structure with enhanced isolation characteristics. Microwave and Optical Technology Letters, 2008, 50, 2389-2391.	1.4	23
112	A high isolated coupled-line passive circulator for UHF RFID reader. Microwave and Optical Technology Letters, 2008, 50, 2597-2600.	1.4	11
113	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.	3.0	3
114	Tunable Band-notched Ultra Wideband (UWB) Planar Monopole Antennas Using Varactor. , 2008, , .		21
115	Balanced Directional Coupler Structure with Insensitive Isolation for Load Impedance. , 2008, , .		1
116	Compact Integrated Antenna With Circulator for UHF RFID System. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 673-675.	4.0	23
117	A novel bandstop filter design using parallel coupled line resonators. , 2007, , .		4
118	Compact Six-Port Transceiver for Time-Division Duplex Systems. IEEE Microwave and Wireless Components Letters, 2007, 17, 394-396.	3.2	32
119	Wideband planar monopole antennas with dual band-notched characteristics. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2800-2806.	4.6	234
120	Wideband crossed planar monopole antenna with the band-notched characteristic. Microwave and Optical Technology Letters, 2006, 48, 543-545.	1.4	5
121	Novel Multi-band Planar Monopole Antenna for Multi-band Wireless Systems. , 2006, , .		2
122	High Isolation Internal Dual-Band Planar Inverted-F Antenna Diversity System with Band-Notched Slots for MIMO Terminals. , 2006, , .		24
123	Compact frequency-notched wideband planar monopole antenna with an L-shape ground plane. Microwave and Optical Technology Letters, 2005, 46, 340-343.	1.4	14
124	Compact frequency-notched wideband planar monopole antenna with a L-shape ground plane. Microwave and Optical Technology Letters, 2005, 46, 563-566.	1.4	11
125	Multiple band-notched planar monopole antenna for multiband wireless systems. IEEE Microwave and Wireless Components Letters, 2005, 15, 576-578.	3.2	75
126	Scattering by a dielectric-loaded nonplanar slit-TM case. IEEE Transactions on Antennas and Propagation, 1998, 46, 598-600.	5.1	2

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127	Squint-less arc array for near-field focusing in wideband systems. Journal of Electromagnetic Waves and Applications, 0, , 1-10.	1.6	1