

Han Lim Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Phased Array Shaped-Beam Satellite Antenna With Boosted-Beam Control. IEEE Transactions on Antennas and Propagation, 2019, 67, 7633-7636.	5.1	66
2	Uniform magnetic field distribution of a spatially structured resonant coil for wireless power transfer. Applied Physics Letters, 2012, 100, .	3.3	40
3	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
4	Wide-Angle Scanning Phased Array Antenna using High Gain Pattern Reconfigurable Antenna Elements. Scientific Reports, 2019, 9, 18391.	3.3	25
5	Frequency-Reconfigurable Antenna Inspired by Origami Flasher. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1691-1695.	4.0	24
6	All-Around Beam Switched Antenna With Dual Polarization for Drone Communications. IEEE Transactions on Antennas and Propagation, 2020, 68, 4930-4934.	5.1	24
7	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
8	Compact Planar Multipole Antenna for Scalable Wide Beamwidth and Bandwidth Characteristics. IEEE Transactions on Antennas and Propagation, 2020, 68, 3433-3442.	5.1	19
9	Deep Learning-Based Localization for UWB Systems. Electronics (Switzerland), 2020, 9, 1712.	3.1	17
10	High Gain and Wideband Metasurfaced Magnetolectric Antenna for WiGig Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 1140-1145.	5.1	16
11	Tilted-Beam Switched Array Antenna for UAV Mounted Radar Applications with 360° Coverage. Electronics (Switzerland), 2019, 8, 1240.	3.1	15
12	Electrically Conformal Antenna Array With Planar Multipole Structure for 2-D Wide Angle Beam Steering. IEEE Access, 2020, 8, 157261-157269.	4.2	12
13	Compact Switched-Beam Array Antenna with a Butler Matrix and a Folded Ground Structure. Electronics (Switzerland), 2020, 9, 2.	3.1	11
14	High Gain and Low-Profile Stacked Magneto-Electric Dipole Antenna for Phased Array Beamforming. IEEE Access, 2020, 8, 180295-180304.	4.2	11
15	High Gain Planar Segmented Antenna for mmWave Phased Array Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5918-5922.	5.1	11
16	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
17	Design of compact broadband phase shifter with constant loss variation. Microwave and Optical Technology Letters, 2014, 56, 394-400.	1.4	9
18	Reconfigurable 2 × 2 Multi-Port Amplifier Using Switching Mode Hybrid Matrices. IEEE Microwave and Wireless Components Letters, 2014, 24, 129-131.	3.2	9

#	ARTICLE	IF	CITATIONS
19	mmWave High Gain Planar H-Shaped Shorted Ring Antenna Array. <i>Sensors</i> , 2020, 20, 5168.	3.8	8
20	A Reconfigurable Directional Coupler Using a Variable Impedance Mismatch Reflector for High Isolation. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2016, 16, 206-209.	3.0	8
21	K _a -band 0/180° balanced phase shifter with dc offset cancellation. <i>Electronics Letters</i> , 2013, 49, 1234-1235.	1.0	7
22	Six-port QPSK demodulator for optimal K _a -band multipoint amplifier calibration. <i>Electronics Letters</i> , 2014, 50, 617-618.	1.0	7
23	Reconfigurable 4 × 4 multi-port amplifier with switchable input and output matrices. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 1312-1321.	1.4	7
24	Analysis of multi-port amplifier calibration for optimal magnitude and phase error detection. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 102-110.	1.4	6
25	A Compact Crossed Inverted-V Antenna with a Common Reflector for Polarization Diversity in the IoT. <i>Electronics (Switzerland)</i> , 2019, 8, 637.	3.1	6
26	A Compact Circular Polarization Antenna Using Folded Ground Elements. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3472-3477.	5.1	6
27	Reconfigurable Quad-Polarization Switched Beamforming Antenna With Crossed Inverted-V Array and Dual-Butler Matrix. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 2708-2716.	5.1	5
28	Dual-Polarized Multi-Channel 24 GHz Radar Sensor Antenna for High Channel-to-Channel Isolation. <i>Sensors</i> , 2020, 20, 5233.	3.8	4
29	K _a -Band Phase Discriminator Using Multipoint Downconversion for Monopulse Tracker. <i>IEEE Microwave and Wireless Components Letters</i> , 2017, 27, 599-601.	3.2	3
30	Reconfigurable multi-channel RF crossbar switch matrix for MRI receiver front-end. <i>Electronics Letters</i> , 2017, 53, 380-381.	1.0	3
31	Low Profile Multi-Slot Loaded Antenna With Enhanced Gain-to-Volume Ratio and Efficiency. <i>IEEE Access</i> , 2020, 8, 225407-225415.	4.2	3
32	A compact DVB-H Marchand balun using vertically coupling CPW structure. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 1174-1177.	1.4	2
33	RF bio-radar system using a compact lumped six-port demodulator and Quadrifilar Helix antenna. , 2013, , .		2
34	A Compact Magnetic Multipole Antenna for Wide 2-Dimensional Beamwidth. , 2019, , .		2
35	Dual-Band Direct Conversion Receiver With Additive Mixing Architecture. <i>IEEE Access</i> , 2022, 10, 15436-15442.	4.2	2
36	Automatic resonant frequency matching of power amplifier by transformer loop sampling. <i>Electronics Letters</i> , 2015, 51, 510-512.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Wideband highly linear LNA using modified cascode for simultaneous input and noise matching technique. Microwave and Optical Technology Letters, 2017, 59, 15-17.	1.4	1
38	Reconfigurable K-Band MIMO Transmission With On-Board Vector Calibration. IEEE Access, 2018, 6, 49358-49365.	4.2	1
39	An arbitrary load selector with reconfigurable impedance matching for multiple antenna selection. Microwave and Optical Technology Letters, 2018, 60, 1727-1732.	1.4	1
40	Power Control Method for Energy Efficient Buffer-Aided Relay Systems. Energies, 2019, 12, 3234.	3.1	1
41	Beam Training Technique for Millimeter-Wave Cellular Systems Using Retrodirective Arrays. IEEE Access, 2020, 8, 160450-160460.	4.2	1
42	Balanced MMIC QPSK modulator with low amplitude and phase errors. Electronics Letters, 2014, 50, 523-525.	1.0	0
43	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
44	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
45	Reconfigurable RF receiver using compact distributed switch matrix for array coils. Electronics Letters, 2019, 55, 137-138.	1.0	0
46	Phased Array Antenna Calibration Technique Based on Center-Null-Tracking (CNT) Method. , 2019, , .		0
47	Revisiting Information Detection and Energy Harvesting: A Power Splitting-Based Approach. Entropy, 2020, 22, 1341.	2.2	0
48	Absorptive K-Band Bandpass Filter Using a Balanced Recursive Structure. Electronics (Switzerland), 2020, 9, 1633.	3.1	0