

Han Lim Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reconfigurable Quad-Polarization Switched Beamforming Antenna With Crossed Inverted-V Array and Dual-Butler Matrix. IEEE Transactions on Antennas and Propagation, 2022, 70, 2708-2716.	3.1	5
2	High Gain Planar Segmented Antenna for mmWave Phased Array Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5918-5922.	3.1	11
3	Dual-Band Direct Conversion Receiver With Additive Mixing Architecture. IEEE Access, 2022, 10, 15436-15442.	2.6	2
4	High Gain and Wideband Metasurfaced Magnetoelectric Antenna for WiGig Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 1140-1145.	3.1	16
5	Compact Planar Multipole Antenna for Scalable Wide Beamwidth and Bandwidth Characteristics. IEEE Transactions on Antennas and Propagation, 2020, 68, 3433-3442.	3.1	19
6	Compact Switched-Beam Array Antenna with a Butler Matrix and a Folded Ground Structure. Electronics (Switzerland), 2020, 9, 2.	1.8	11
7	All-Around Beam Switched Antenna With Dual Polarization for Drone Communications. IEEE Transactions on Antennas and Propagation, 2020, 68, 4930-4934.	3.1	24
8	Beam Training Technique for Millimeter-Wave Cellular Systems Using Retrodirective Arrays. IEEE Access, 2020, 8, 160450-160460.	2.6	1
9	Dual-Polarized Multi-Channel 24 GHz Radar Sensor Antenna for High Channel-to-Channel Isolation. Sensors, 2020, 20, 5233.	2.1	4
10	High Gain and Low-Profile Stacked Magneto-Electric Dipole Antenna for Phased Array Beamforming. IEEE Access, 2020, 8, 180295-180304.	2.6	11
11	mmWave High Gain Planar H-Shaped Shorted Ring Antenna Array. Sensors, 2020, 20, 5168.	2.1	8
12	Electrically Conformal Antenna Array With Planar Multipole Structure for 2-D Wide Angle Beam Steering. IEEE Access, 2020, 8, 157261-157269.	2.6	12
13	Revisiting Information Detection and Energy Harvesting: A Power Splitting-Based Approach. Entropy, 2020, 22, 1341.	1.1	0
14	Deep Learning-Based Localization for UWB Systems. Electronics (Switzerland), 2020, 9, 1712.	1.8	17
15	Absorptive K-Band Bandpass Filter Using a Balanced Recursive Structure. Electronics (Switzerland), 2020, 9, 1633.	1.8	0
16	Low Profile Multi-Slot Loaded Antenna With Enhanced Gain-to-Volume Ratio and Efficiency. IEEE Access, 2020, 8, 225407-225415.	2.6	3
17	Phased Array Shaped-Beam Satellite Antenna With Boosted-Beam Control. IEEE Transactions on Antennas and Propagation, 2019, 67, 7633-7636.	3.1	66
18	Frequency-Reconfigurable Antenna Inspired by Origami Flasher. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1691-1695.	2.4	24

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19	Tilted-Beam Switched Array Antenna for UAV Mounted Radar Applications with 360° Coverage. Electronics (Switzerland), 2019, 8, 1240.	1.8	15
20	Power Control Method for Energy Efficient Buffer-Aided Relay Systems. Energies, 2019, 12, 3234.	1.6	1
21	A Compact Crossed Inverted-V Antenna with a Common Reflector for Polarization Diversity in the IoT. Electronics (Switzerland), 2019, 8, 637.	1.8	6
22	A Compact Circular Polarization Antenna Using Folded Ground Elements. IEEE Transactions on Antennas and Propagation, 2019, 67, 3472-3477.	3.1	6
23	Reconfigurable RF receiver using compact distributed switch matrix for array coils. Electronics Letters, 2019, 55, 137-138.	0.5	0
24	Phased Array Antenna Calibration Technique Based on Center-Null-Tracking (CNT) Method. , 2019, , .		0
25	A Compact Magnetic Multipole Antenna for Wide 2-Dimensional Beamwidth. , 2019, , .		2
26	Wide-Angle Scanning Phased Array Antenna using High Gain Pattern Reconfigurable Antenna Elements. Scientific Reports, 2019, 9, 18391.	1.6	25
27	Pattern Reconfigurable High Gain Spherical Dielectric Resonator Antenna Operating on Higher Order Mode. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 128-132.	2.4	37
28	Reconfigurable K-Band MIMO Transmission With On-Board Vector Calibration. IEEE Access, 2018, 6, 49358-49365.	2.6	1
29	An arbitrary load selector with reconfigurable impedance matching for multiple antenna selection. Microwave and Optical Technology Letters, 2018, 60, 1727-1732.	0.9	1
30	\$K\$ -Band Phase Discriminator Using Multiport Downconversion for Monopulse Tracker. IEEE Microwave and Wireless Components Letters, 2017, 27, 599-601.	2.0	3
31	Reconfigurable multi-channel RF crossbar switch matrix for MRI receiver front-end. Electronics Letters, 2017, 53, 380-381.	0.5	3
32	Wideband highly linear LNA using modified cascode for simultaneous input and noise matching technique. Microwave and Optical Technology Letters, 2017, 59, 15-17.	0.9	1
33	Compact Antenna Module With Optimized Tx-to-Rx Isolation for Monostatic RFID. IEEE Microwave and Wireless Components Letters, 2017, 27, 1161-1163.	2.0	10
34	Complex conjugate matching technique for wireless power transfer with multiple inductive coupled resonators. Microwave and Optical Technology Letters, 2016, 58, 2291-2294.	0.9	0
35	Reconfigurable 4 × 4 multi-port amplifier with switchable input and output matrices. IET Microwaves, Antennas and Propagation, 2016, 10, 1312-1321.	0.7	7
36	Analysis of multi-port amplifier calibration for optimal magnitude and phase error detection. IET Microwaves, Antennas and Propagation, 2016, 10, 102-110.	0.7	6

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37	A Reconfigurable Directional Coupler Using a Variable Impedance Mismatch Reflector for High Isolation. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2016, 16, 206-209.	2.9	8
38	Automatic resonant frequency matching of power amplifier by transformer loop sampling. Electronics Letters, 2015, 51, 510-512.	0.5	1
39	Balanced MMIC QPSK modulator with low amplitude and phase errors. Electronics Letters, 2014, 50, 523-525.	0.5	0
40	Design of compact broadband phase shifter with constant loss variation. Microwave and Optical Technology Letters, 2014, 56, 394-400.	0.9	9
41	Six-Port QPSK demodulator for optimal K-band multiport amplifier calibration. Electronics Letters, 2014, 50, 617-618.	0.5	7
42	Reconfigurable 2 × 2 Multi-Port Amplifier Using Switching Mode Hybrid Matrices. IEEE Microwave and Wireless Components Letters, 2014, 24, 129-131.	2.0	9
43	K-band reconfigurable 4 × 4 balanced power amplifier for flexible satellite communication applications. Microwave and Optical Technology Letters, 2014, 56, 2820-2822.	0.9	0
44	K-band 0/180° balanced phase shifter with dc offset cancellation. Electronics Letters, 2013, 49, 1234-1235.	0.5	7
45	RF bio-radar system using a compact lumped six-port demodulator and Quadrifilar Helix antenna. , 2013, , .		2
46	Uniform magnetic field distribution of a spatially structured resonant coil for wireless power transfer. Applied Physics Letters, 2012, 100, .	1.5	40
47	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.	3.1	21
48	A compact DVB-H Marchand balun using vertically coupling CPW structure. Microwave and Optical Technology Letters, 2010, 52, 1174-1177.	0.9	2