

Henning Tesmer

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Millimeter-Wave Beam-Steering Lens Antenna With Reconfigurable Aperture Using Liquid Crystal. IEEE Transactions on Antennas and Propagation, 2019, 67, 5313-5324.	5.1	37
2	Liquid Crystal Based Dielectric Waveguide Phase Shifters for Phased Arrays at W-Band. IEEE Access, 2019, 7, 127032-127041.	4.2	32
3	Reconfigurable Millimeter-Wave Components Based on Liquid Crystal Technology for Smart Applications. Crystals, 2020, 10, 346.	2.2	25
4	A Compact and Fast \$1 times 4\$ Continuously Steerable Endfire Phased-Array Antenna Based on Liquid Crystal. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1859-1862.	4.0	19
5	Highly Miniaturized Continuously Tunable Phase Shifter Based on Liquid Crystal and Defected Ground Structures. IEEE Microwave and Wireless Components Letters, 2022, 32, 519-522.	3.2	14
6	A Compact Two-dimensional Power Divider for a Dielectric Rod Antenna Array Based on Multimode Interference. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 1185-1202.	2.2	13
7	Liquid-Crystal-Based Fully Dielectric Lateral Wave Beam-Steering Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2577-2581.	4.0	12
8	Switched and Steered Beam End-Fire Antenna Array Fed by Wideband Via-Less Butler Matrix and Tunable Phase Shifters Based on Liquid Crystal Technology. IEEE Transactions on Antennas and Propagation, 2022, 70, 5383-5392.	5.1	12
9	Characterization of Liquid Crystals Using a Temperature-Controlled 60 GHz Resonator. , 2019, , .		10
10	Temperature Characterization of Liquid Crystal Dielectric Image Line Phase Shifter for Millimeter-Wave Applications. Crystals, 2021, 11, 63.	2.2	10
11	Fast and Miniaturized Phase Shifter With Excellent Figure of Merit Based on Liquid Crystal and Nanowire-Filled Membrane Technologies. IEEE Journal of Microwaves, 2022, 2, 174-184.	6.5	8
12	Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band. , 2020, , .		7
13	Bandwidth and Center Frequency Reconfigurable Waveguide Filter Based on Liquid Crystal Technology. IEEE Journal of Microwaves, 2022, 2, 134-144.	6.5	6
14	Novel Hybrid Electric/Magnetic Bias Concept for Tunable Liquid Crystal Based Filter. IEEE Journal of Microwaves, 2022, 2, 490-495.	6.5	5
15	Fully Dielectric Rod Antenna Arrays with High Permittivity Materials. , 2019, , .		4
16	Reconfigurable Liquid Crystal Dielectric Image Line Leaky Wave Antenna at W-Band. IEEE Journal of Microwaves, 2022, 2, 480-489.	6.5	4
17	Fully Dielectric Rod Antenna Arrays with Integrated Power Divider. Frequenz, 2019, 73, 367-377.	0.9	3
18	Liquid Crystal Based Parallel-Polarized Dielectric Image Guide Phase Shifter at W-Band. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Feasibility of Additively Manufactured Tunable Liquid Crystal Loaded Dielectric Waveguides. IEEE Microwave and Wireless Components Letters, 2021, 31, 973-976.	3.2	3
20	Wideband evaluation of two types of slow-wave microstrip lines. Electronics Letters, 2022, 58, 156-158.	1.0	1
21	Dielectric Image Line Rod Antenna Array With Integrated Power Divider at W-Band. , 2022, , .		1