

Ushemadzoro Chipengo

List of Publications by Year in descending order

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140
citing authors

#	ARTICLE	IF	CITATIONS
1	High Fidelity Physics Simulation-Based Convolutional Neural Network for Automotive Radar Target Classification Using Micro-Doppler. IEEE Access, 2021, 9, 82597-82617.	4.2	8
2	High Fidelity Physics Simulation of 128 Channel MIMO Sensor for 77GHz Automotive Radar. IEEE Access, 2020, 8, 160643-160652.	4.2	18
3	Full physics simulation of terrain-adaptive 77GHz automotive radar for early pedestrian detection. Microwave and Optical Technology Letters, 2019, 61, 1375-1380.	1.4	0
4	A Study of Velocity-Tapered Slow Wave Structures for High-Efficiency Backward Wave Oscillators. IEEE Transactions on Electron Devices, 2018, 65, 3054-3060.	3.0	0
5	Full Physics Simulation Study of Guardrail Radar>Returns for 77 GHz Automotive Radar Systems. IEEE Access, 2018, 6, 70053-70060.	4.2	29
6	From Antenna Design to High Fidelity, Full Physics Automotive Radar Sensor Corner Case Simulation. Modelling and Simulation in Engineering, 2018, 2018, 1-19.	0.7	19
7	Backward-Wave Oscillator Operating in Low Magnetic Fields Using a Hybrid-TE ₁₁ Mode. IEEE Transactions on Electron Devices, 2017, 64, 3863-3869.	3.0	10
8	Significant efficiency enhancements in high power backward wave oscillators using inhomogeneous slow wave structures. , 2017, , .		1
9	Cold Test Validation of Novel Slow Wave Structure for High-Power Backward-Wave Oscillators. IEEE Transactions on Plasma Science, 2016, 44, 911-917.	1.3	15
10	Experimental Validation of Slow-Wave Phenomena in Curved Ring-Bar Slow-Wave Structure. IEEE Transactions on Plasma Science, 2016, 44, 1794-1799.	1.3	4
11	A Novel Slow-Wave Structure for High-Power K_a -Band Backward Wave Oscillators With Mode Control. IEEE Transactions on Plasma Science, 2015, 43, 1879-1886.	1.3	19