

Ahmed F Abdelshafy

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Exceptional Points of Degeneracy in Electromagnetic Periodic Waveguides and the Role of Symmetries. , 2022, , .		0
2	High-Sensitive Parity-Time Symmetric Oscillator in Coupled Transmission Lines With Nonlinear Gain. IEEE Journal of Microwaves, 2022, 2, 389-400.	6.5	2
3	Distributed Degenerate Band Edge Oscillator. IEEE Transactions on Antennas and Propagation, 2021, 69, 1821-1824.	5.1	13
4	Exceptional Points of Degeneracy in a Transmission Line Periodically Loaded with Gain and Radiation Loss. , 2021, , .		0
5	Exceptional degeneracy in a waveguide periodically loaded with discrete gain and radiation loss elements. Applied Physics Letters, 2021, 118, .	3.3	7
6	Exceptional degeneracies in traveling wave tubes with dispersive slow-wave structure including space-charge effect. Applied Physics Letters, 2021, 118, .	3.3	12
7	High-Power X -Band Relativistic Backward-Wave Oscillator with Exceptional Synchronous Regime Operating at an Exceptional Point. Physical Review Applied, 2021, 15, .	3.8	5
8	High-Power Backward-Wave Oscillator Using Folded Waveguide With Distributed Power Extraction Operating at an Exceptional Point. IEEE Transactions on Electron Devices, 2021, 68, 3588-3595.	3.0	4
9	High Power Backward Wave Oscillator using Serpentine Waveguide with Distributed Power Extraction Operating at an Exceptional Point. , 2021, , .		0
10	Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide. , 2020, , .		1
11	Exceptional Point of Degeneracy in a Backward-Wave Oscillator with Distributed Power Extraction. Physical Review Applied, 2020, 14, .	3.8	12
12	Experimental Testing of a 3-D-Printed Metamaterial Slow Wave Structure for High-Power Microwave Generation. IEEE Transactions on Plasma Science, 2020, 48, 4356-4364.	1.3	23
13	A Concept for a Leaky Wave Antenna Oscillator With Second Order Degeneracy. , 2020, , .		0
14	A 3D-Printed Metamaterial Slow Wave Structure for High-Power Microwave Generation. , 2020, , .		1
15	Exceptional Points of Degeneracy in Periodic Coupled Waveguides and the Interplay of Gain and Radiation Loss: Theoretical and Experimental Demonstration. IEEE Transactions on Antennas and Propagation, 2019, 67, 6909-6923.	5.1	37
16	Backward-Wave Oscillator with Distributed Power Extraction Based on Exceptional Point of Degeneracy and Gain and Radiation-Loss Balance. , 2019, , .		6
17	Low Starting Current Oscillator Based on the Degenerate Band Edge in a Double Helix Slow Wave Structure. , 2019, , .		0
18	Exceptional Points of Degeneracy induced in Uniform and Periodic Coupled Systems. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Pulse Generation using a Degenerate Band Edge Structure. , 2019, , .		0
20	Exceptional Points of Degeneracy Induced by Linear Time-Periodic Variation. Physical Review Applied, 2019, 11, .	3.8	44
21	Electron-Beam-Driven Devices With Synchronous Multiple Degenerate Eigenmodes. IEEE Transactions on Plasma Science, 2018, 46, 3126-3138.	1.3	18