David E Fernandes

List of Publications by Year
in descending order

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19 papers	242 citations	933264 10 h-index	940416 16 g-index
24 all docs	24 docs citations	24 times ranked	252 citing authors

#	Article	IF	Citations
1	Nonreciprocal and Non-Hermitian Material Response Inspired by Semiconductor Transistors. Physical Review Letters, 2022, 128, 013902.	2.9	14
2	Topological pumping and Tamm states in photonic systems. Physical Review B, 2022, 105, .	1.1	3
3	Experimental verification of ill-defined topologies and energy sinks in electromagnetic continua. Advanced Photonics, 2022, 4, .	6.2	3
4	Topological Origin of Electromagnetic Energy Sinks. Physical Review Applied, 2019, 12, .	1.5	21
5	Limitations of Nonlinear Electromagnetic Isolators. , 2019, , .		0
6	Simulating electron wave dynamics in graphene superlattices exploiting parallel processing advantages. Computer Physics Communications, 2018, 222, 240-249.	3.0	4
7	Asymmetric Transmission and Isolation in Nonlinear Devices: Why They Are Different. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1953-1957.	2.4	23
8	Low-Effort Task Distribution of Stencil Computation on Heterogeneous Multi-GPUs: Simulating Graphene Superlattices. , 2018, , .		0
9	Bistability in mushroom-type metamaterials. Journal of Applied Physics, 2017, 122, .	1.1	10
10	Time evolution of electron waves in graphene superlattices. AIP Advances, 2016, 6, 075109.	0.6	8
11	Single-Beam Optical Conveyor Belt for Chiral Particles. Physical Review Applied, 2016, 6, .	1.5	14
12	Analytical Solution for the Stopping Power of the Cherenkov Radiation in a Uniaxial Nanowire Material. Photonics, 2015, 2, 702-718.	0.9	13
13	Optical tractor beam with chiral light. Physical Review A, 2015, 91, .	1.0	27
14	Asymmetric Mushroom-Type Metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 8-17.	2.9	4
15	Wormhole for electron waves in graphene. Physical Review B, 2014, 90, .	1.1	14
16	Bright and dark spatial solitons in metallic nanowire arrays. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 340-349.	1.0	5
17	Fano resonances in nested wire media. Physical Review B, 2013, 88, .	1.1	10
18	Cherenkov emission in a nanowire material. Physical Review B, 2012, 85, .	1.1	69

#	Article	IF	Citations
19	Measurement of the Specific Absorption Rate using a single electric field sensor. , 2011, , .		0