

David E Fernandes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1039024/publications.pdf>

Version: 2024-02-01

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	Cherenkov emission in a nanowire material. <i>Physical Review B</i> , 2012, 85, .	1.1	69
2	Optical tractor beam with chiral light. <i>Physical Review A</i> , 2015, 91, .	1.0	27
3	Asymmetric Transmission and Isolation in Nonlinear Devices: Why They Are Different. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 1953-1957.	2.4	23
4	Topological Origin of Electromagnetic Energy Sinks. <i>Physical Review Applied</i> , 2019, 12, .	1.5	21
5	Wormhole for electron waves in graphene. <i>Physical Review B</i> , 2014, 90, .	1.1	14
6	Single-Beam Optical Conveyor Belt for Chiral Particles. <i>Physical Review Applied</i> , 2016, 6, .	1.5	14
7	Nonreciprocal and Non-Hermitian Material Response Inspired by Semiconductor Transistors. <i>Physical Review Letters</i> , 2022, 128, 013902.	2.9	14
8	Analytical Solution for the Stopping Power of the Cherenkov Radiation in a Uniaxial Nanowire Material. <i>Photonics</i> , 2015, 2, 702-718.	0.9	13
9	Fano resonances in nested wire media. <i>Physical Review B</i> , 2013, 88, .	1.1	10
10	Bistability in mushroom-type metamaterials. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	10
11	Time evolution of electron waves in graphene superlattices. <i>AIP Advances</i> , 2016, 6, 075109.	0.6	8
12	Bright and dark spatial solitons in metallic nanowire arrays. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2014, 12, 340-349.	1.0	5
13	Asymmetric Mushroom-Type Metamaterials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014, 62, 8-17.	2.9	4
14	Simulating electron wave dynamics in graphene superlattices exploiting parallel processing advantages. <i>Computer Physics Communications</i> , 2018, 222, 240-249.	3.0	4
15	Topological pumping and Tamm states in photonic systems. <i>Physical Review B</i> , 2022, 105, .	1.1	3
16	Experimental verification of ill-defined topologies and energy sinks in electromagnetic continua. <i>Advanced Photonics</i> , 2022, 4, .	6.2	3
17	Measurement of the Specific Absorption Rate using a single electric field sensor. , 2011, , .		0
18	Low-Effort Task Distribution of Stencil Computation on Heterogeneous Multi-GPUs: Simulating Graphene Superlattices. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Limitations of Nonlinear Electromagnetic Isolators. , 2019, , .		0