

# Carlos Humberto Oliveira Costa

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

295  
citations

759233

12  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of photonic band gap robustness in disordered polymer photonic crystals under hydrostatic pressure. <i>Optical Materials</i> , 2022, 125, 112094.	3.6	0
2	Impact of arrangement, length and chemical potential on the robustness of graphene induced photonic bandgap in photonic crystals. <i>Results in Physics</i> , 2022, 37, 105444.	4.1	2
3	Propagation of electromagnetic waves on quasiperiodic rare-earth multilayers. <i>Optical Materials</i> , 2021, 114, 111003.	3.6	1
4	Transfer-matrix method of circular polarization light in an axionic photonic insulator. <i>Physical Review A</i> , 2021, 104, .	2.5	0
5	Tuning band structures of photonic multilayers with positive and negative refractive index materials according to generalized Fibonacci and Thue-Morse sequences. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 135703.	1.8	2
6	Photonic transmission spectra in graphene-based Gaussian random multilayers. <i>Optical Materials</i> , 2020, 104, 109838.	3.6	17
7	Photonic Bandgap of Random in Layer Position Extrinsic Magnetized Plasma Multilayer. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 2097-2105.	1.3	12
8	Tunable terahertz absorption in Si/SiO <sub>2</sub> -graphene multilayers: disorder and magneto-optical effects. <i>Applied Optics</i> , 2020, 59, 11034.	1.8	15
9	Enhanced transmission induced by embedded graphene in periodic, quasiperiodic, and random photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 3801.	2.1	12
10	Transmission spectra in graphene-based octonacci one-dimensional photonic quasicrystals. <i>Optical Materials</i> , 2019, 89, 623-629.	3.6	32
11	Effects of graphene on light transmission spectra in Dodecanacci photonic quasicrystals. <i>Optical Materials</i> , 2019, 98, 109450.	3.6	18
12	Robust Photonic Bandgaps in Quasiperiodic and Random Extrinsic Magnetized Plasma. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 1726-1733.	1.3	23
13	Spin wave propagation spectra in Octonacci one-dimensional magnonic quasicrystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 228-235.	2.3	3
14	Light propagation in quasiperiodic dielectric multilayers separated by graphene. <i>Physical Review B</i> , 2017, 96, .	3.2	19
15	Thermal radiation in one-dimensional photonic quasicrystals with graphene. <i>Optical Materials</i> , 2017, 72, 756-764.	3.6	20
16	Static and dynamic properties of [111] low-symmetry trilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 929-941.	1.5	0
17	Octonacci photonic quasicrystals. <i>Optical Materials</i> , 2015, 46, 378-383.	3.6	47
18	Magnons in one-dimensional k-component Fibonacci structures. <i>Journal of Applied Physics</i> , 2014, 115, 17C115.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Band gaps and transmission spectra in generalized Fibonacci $f(p, q)$ one-dimensional magnonic quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 286002.	1.8	20
20	Fractal spectra in generalized Fibonacci one-dimensional magnonic quasicrystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2315-2323.	2.3	16
21	Partial band gaps in magnonic crystals. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	15
22	Band gaps in the terahertz frequency range in quasiperiodic one-dimensional magnonic crystals. <i>Solid State Communications</i> , 2010, 150, 2325-2328.	1.9	15