

# Carlos M Portela

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3664255/publications.pdf>

Version: 2024-02-01

12  
papers

1,089  
citations

933447

10  
h-index

1281871

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g-index

12  
all docs

12  
docs citations

12  
times ranked

1488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential metamaterials with alternating Poisson's ratios. Nature Communications, 2022, 13, 1041.	12.8	48
2	Supersonic impact resilience of nanoarchitected carbon. Nature Materials, 2021, 20, 1491-1497.	27.5	73
3	Poroelastic microlattices for underwater wave focusing. Extreme Mechanics Letters, 2021, 49, 101499.	4.1	5
4	Pushing and Pulling on Ropes: Hierarchical Woven Materials. Advanced Science, 2020, 7, 2001271.	11.2	20
5	Hierarchical Woven Materials: Pushing and Pulling on Ropes: Hierarchical Woven Materials (Adv. Sci.) Tj ETQq1 1 0.784314 rgBT /Overlo	11.2	8
6	Extreme mechanical resilience of self-assembled nanolabyrinthine materials. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5686-5693.	7.1	87
7	Electrochemically reconfigurable architected materials. Nature, 2019, 573, 205-213.	27.8	145
8	Computationally efficient design of directionally compliant metamaterials. Nature Communications, 2019, 10, 291.	12.8	36
9	Additive manufacturing of 3D nano-architected metals. Nature Communications, 2018, 9, 593.	12.8	372
10	Impact of node geometry on the effective stiffness of non-slender three-dimensional truss lattice architectures. Extreme Mechanics Letters, 2018, 22, 138-148.	4.1	69
11	Ultralow Thermal Conductivity and Mechanical Resilience of Architected Nanolattices. Nano Letters, 2018, 18, 4755-4761.	9.1	55
12	Reexamining the mechanical property space of three-dimensional lattice architectures. Acta Materialia, 2017, 140, 424-432.	7.9	179