

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

11
g-index

12
all docs

12
docs citations

12
times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive manufacturing of 3D nano-architected metals. Nature Communications, 2018, 9, 593.	12.8	372
2	Reexamining the mechanical property space of three-dimensional lattice architectures. Acta Materialia, 2017, 140, 424-432.	7.9	179
3	Electrochemically reconfigurable architected materials. Nature, 2019, 573, 205-213.	27.8	145
4	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
5	Supersonic impact resilience of nanoarchitected carbon. Nature Materials, 2021, 20, 1491-1497.	27.5	73
6	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
7	Ultralow Thermal Conductivity and Mechanical Resilience of Architected Nanolattices. Nano Letters, 2018, 18, 4755-4761.	9.1	55
8	Sequential metamaterials with alternating Poisson's ratios. Nature Communications, 2022, 13, 1041.	12.8	48
9	Computationally efficient design of directionally compliant metamaterials. Nature Communications, 2019, 10, 291.	12.8	36
10	Pushing and Pulling on Ropes: Hierarchical Woven Materials. Advanced Science, 2020, 7, 2001271.	11.2	20
11	Poroelastic microlattices for underwater wave focusing. Extreme Mechanics Letters, 2021, 49, 101499.	4.1	5
12	Hierarchical Woven Materials: Pushing and Pulling on Ropes: Hierarchical Woven Materials (Adv. Sci.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	11.2	0