

Charalampos Androulidakis

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

783
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1186
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring the mechanical properties of 2D materials and heterostructures. <i>2D Materials</i> , 2018, 5, 032005.	4.4	128
2	Stress Transfer Mechanisms at the Submicron Level for Graphene/Polymer Systems. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4216-4223.	8.0	105
3	Tunable macroscale structural superlubricity in two-layer graphene via strain engineering. <i>Nature Communications</i> , 2020, 11, 1595.	12.8	88
4	Graphene flakes under controlled biaxial deformation. <i>Scientific Reports</i> , 2016, 5, 18219.	3.3	84
5	Failure Processes in Embedded Monolayer Graphene under Axial Compression. <i>Scientific Reports</i> , 2014, 4, 5271.	3.3	65
6	Strained hexagonal boron nitride: Phonon shift and Grüneisen parameter. <i>Physical Review B</i> , 2018, 97, .	3.2	51
7	Wrinkled Few-Layer Graphene as Highly Efficient Load Bearer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26593-26601.	8.0	46
8	Experimentally derived axial stress–strain relations for two-dimensional materials such as monolayer graphene. <i>Carbon</i> , 2015, 81, 322-328.	10.3	43
9	Wrinkling formation in simply-supported graphenes under tension and compression loadings. <i>Nanoscale</i> , 2017, 9, 18180-18188.	5.6	31
10	Bioink with cartilage-derived extracellular matrix microfibers enables spatial control of vascular capillary formation in bioprinted constructs. <i>Biofabrication</i> , 2022, 14, 034104.	7.1	26
11	Sculpturing graphene wrinkle patterns into compliant substrates. <i>Carbon</i> , 2019, 146, 772-778.	10.3	18
12	Compression behavior of simply-supported and fully embedded monolayer graphene: Theory and experiment. <i>Extreme Mechanics Letters</i> , 2016, 8, 191-200.	4.1	17
13	Stress-transfer from polymer substrates to monolayer and few-layer graphenes. <i>Nanoscale Advances</i> , 2019, 1, 4972-4980.	4.6	14
14	Gilding with Graphene: Rapid Chemical Vapor Deposition Synthesis of Graphene on Thin Metal Leaves. <i>Advanced Functional Materials</i> , 2018, 28, 1804068.	14.9	13
15	Non-Eulerian behavior of graphitic materials under compression. <i>Carbon</i> , 2018, 138, 227-233.	10.3	13
16	Graphene resting on substrate: Closed form solutions for the perfect bonding and the delamination case. <i>International Journal of Solids and Structures</i> , 2015, 71, 219-232.	2.7	12
17	Multi-functional 2D hybrid aerogels for gas absorption applications. <i>Scientific Reports</i> , 2021, 11, 13548.	3.3	11
18	Efficient Mechanical Stress Transfer in Multilayer Graphene with a Ladder-like Architecture. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4473-4484.	8.0	9

#	ARTICLE	IF	CITATIONS
19	Thermomechanical behaviour of hexagonal boron nitride at elevated temperatures. 2D Materials, 2020, 7, 045011.	4.4	7
20	Hierarchy of nanoscale graphene wrinkles on compliant substrate: Theory and experiment. Extreme Mechanics Letters, 2020, 40, 100948.	4.1	2