

Colin Daniels

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

706
citations

933447

10
h-index

996975

15
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16
all docs

16
docs citations

16
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of robust topological quantum phases in graphene nanoribbons. <i>Nature</i> , 2018, 560, 209-213.	27.8	397
2	Electronic Transport of Recrystallized Freestanding Graphene Nanoribbons. <i>ACS Nano</i> , 2015, 9, 3510-3520.	14.6	44
3	Massive Dirac Fermion Behavior in a Low Bandgap Graphene Nanoribbon Near a Topological Phase Boundary. <i>Advanced Materials</i> , 2020, 32, e1906054.	21.0	44
4	On-Surface Synthesis and Characterization of Acene-Based Nanoribbons Incorporating Four-Membered Rings. <i>Chemistry - A European Journal</i> , 2019, 25, 12074-12082.	3.3	38
5	A Universal Length-Dependent Vibrational Mode in Graphene Nanoribbons. <i>ACS Nano</i> , 2019, 13, 13083-13091.	14.6	36
6	Elastic, plastic, and fracture mechanisms in graphene materials. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 373002.	1.8	26
7	Optimized Substrates and Measurement Approaches for Raman Spectroscopy of Graphene Nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900343.	1.5	26
8	Machine-learning models for Raman spectra analysis of twisted bilayer graphene. <i>Carbon</i> , 2020, 169, 455-464.	10.3	24
9	Growth Optimization and Device Integration of Narrow-Bandgap Graphene Nanoribbons. <i>Small</i> , 2022, 18, .	10.0	17
10	In-plane breathing and shear modes in low-dimensional nanostructures. <i>Carbon</i> , 2020, 157, 364-370.	10.3	14
11	Quantifying energetics of topological frustration in carbon nanostructures. <i>Physical Review B</i> , 2014, 89, .	3.2	9
12	Emergent magnetism in irradiated graphene nanostructures. <i>Carbon</i> , 2014, 78, 196-203.	10.3	9
13	Structural, energetic, and electronic properties of gyroidal graphene nanostructures. <i>Carbon</i> , 2016, 96, 998-1007.	10.3	9
14	Electrolyte Diffusion in Gyroidal Nanoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2896-2903.	3.1	8
15	Shell model extension to the valence force field: application to single-layer black phosphorus. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 322-328.	2.8	5