

Dan Liu

List of Publications by Year in descending order

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papers

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citations

932766

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1058022

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14
docs citations

14
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	In-plane breathing and shear modes in low-dimensional nanostructures. Carbon, 2020, 157, 364-370.	5.4	14
2	Catalytic formation of narrow Nb nanowires inside carbon nanotubes. Carbon, 2020, 159, 195-200.	5.4	3
3	Efficient growth and characterization of one-dimensional transition metal tellurides inside carbon nanotubes. Nanoscale, 2020, 12, 17185-17190.	2.8	20
4	Strain-controlled magnetic ordering in 2D carbon metamaterials. Carbon, 2020, 161, 219-223.	5.4	5
5	Effect of Net Charge on the Relative Stability of 2D Boron Allotropes. Nano Letters, 2019, 19, 1359-1365.	4.5	23
6	Towards room-temperature superconductivity in low-dimensional C_{60} nanoarrays: An <i>ab initio</i> study. Physical Review B, 2018, 97, .	1.1	3
7	Shear instability in twisted bilayer graphene. Physical Review B, 2018, 98, .	1.1	31
8	Two-Dimensional Mechanical Metamaterials with Unusual Poisson Ratio Behavior. Physical Review Applied, 2018, 10, .	1.5	17
9	Microscopic Mechanism of the Helix-to-Layer Transformation in Elemental Group VI Solids. Nano Letters, 2018, 18, 4908-4913.	4.5	19
10	Long-wavelength deformations and vibrational modes in empty and liquid-filled microtubules and nanotubes: A theoretical study. Physical Review B, 2017, 95, .	1.1	8
11	Unusually Stable Helical Coil Allotrope of Phosphorus. Nano Letters, 2016, 16, 7865-7869.	4.5	29
12	Continuum approach for long-wavelength acoustic phonons in quasi-two-dimensional structures. Physical Review B, 2016, 94, .	1.1	45
13	Two-Dimensional Phosphorus Carbide: Competition between sp^2 and sp^3 Bonding. Nano Letters, 2016, 16, 3247-3252.	4.5	137
14	Designing Isoelectronic Counterparts to Layered Group V Semiconductors. ACS Nano, 2015, 9, 8284-8290.	7.3	128