

# Dan Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4890664/publications.pdf>

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papers

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932766

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docs citations

14  
times ranked

919  
citing authors

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