

Xu Du

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,372
citations

759055

12
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

5784
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching ballistic transport in suspended graphene. Nature Nanotechnology, 2008, 3, 491-495.	15.6	2,865
2	Revealing the Origins of 3D Anisotropic Thermal Conductivities of Black Phosphorus. Advanced Electronic Materials, 2016, 2, 1600040.	2.6	85
3	Ballistic-like supercurrent in suspended graphene Josephson weak links. Nature Communications, 2013, 4, 2716.	5.8	78
4	Terahertz Nanoimaging of Graphene. ACS Photonics, 2018, 5, 2645-2651.	3.2	78
5	Large-Velocity Saturation in Thin-Film Black Phosphorus Transistors. ACS Nano, 2018, 12, 5003-5010.	7.3	44
6	Record-Low and Anisotropic Thermal Conductivity of a Quasi-One-Dimensional Bulk ZrTe ₅ Single Crystal. ACS Applied Materials & Interfaces, 2018, 10, 40740-40747.	4.0	33
7	Moiré Band Topology in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 6076-6083.	4.5	30
8	Photo-induced terahertz near-field dynamics of graphene/InAs heterostructures. Optics Express, 2019, 27, 13611.	1.7	25
9	Tuning strain in flexible graphene nanoelectromechanical resonators. Applied Physics Letters, 2015, 107, .	1.5	20
10	Graphene Microbolometers with Superconducting Contacts for Terahertz Photon Detection. Journal of Low Temperature Physics, 2014, 176, 291-298.	0.6	15
11	Random Gauge Field Scattering in Monolayer Graphene. Nano Letters, 2017, 17, 7009-7014.	4.5	14
12	Signatures of evanescent transport in ballistic suspended graphene-superconductor junctions. Scientific Reports, 2016, 6, 24274.	1.6	13
13	Bandgap opening in MoTe ₂ thin flakes induced by surface oxidation. Frontiers of Physics, 2020, 15, 1.	2.4	12
14	Dirac fermion quantum Hall antidot in graphene. Physical Review B, 2019, 100, .	1.1	9
15	Thermal Conductivity of HfTe ₅ : A Critical Revisit. Advanced Functional Materials, 2020, 30, 1907286.	7.8	9
16	Localizing Fractional Quasiparticles on Graphene Quantum Hall Antidots. Physical Review Letters, 2020, 125, 227701.	2.9	8
17	Nonlinear vs. bolometric radiation response and phonon thermal conductance in graphene-superconductor junctions. Journal of Applied Physics, 2014, 115, 074505.	1.1	7
18	Quantum transport properties of $i\hbar^2 - B$ near and well beyond the extreme quantum limit. Physical Review B, 2021, 103, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Scattering-type scanning near-field optical microscopy with Akiyama piezo-probes. Applied Physics Letters, 2022, 120, .	1.5	7
20	Black Phosphorus: Revealing the Origins of 3D Anisotropic Thermal Conductivities of Black Phosphorus (Adv. Electron. Mater. 5/2016). Advanced Electronic Materials, 2016, 2, .	2.6	4
21	Magnetic field suppression of Andreev conductance at superconductor-graphene interface. 2D Materials, 2017, 4, 045011.	2.0	4
22	Contact transparency in mechanically assembled 2D material devices. JPhys Materials, 2019, 2, 035003.	1.8	2
23	In Situ Study of the Impact of Aberration-Corrected Electron-Beam Lithography on the Electronic Transport of Suspended Graphene Devices. Nanomaterials, 2020, 10, 666.	1.9	2
24	Thermoelectric Performance Study of Graphene Antidot Lattices on Different Substrates. MRS Advances, 2017, 2, 3645-3650.	0.5	1
25	Hafnium Pentatelluride: Thermal Conductivity of HfTe ₅ : A Critical Revisit (Adv. Funct.) Tj ETQq1 1 0.784314 rgBT ₀ /Overlock 7.8		