

Cheng Tan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7782572/publications.pdf>

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14
papers

1,684
citations

687363

13
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

3115
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable and giant valley-selective Hall effect in gapped bilayer graphene. <i>Science</i> , 2022, 375, 1398-1402.	12.6	26
2	Dissipation-enabled hydrodynamic conductivity in a tunable bandgap semiconductor. <i>Science Advances</i> , 2022, 8, eabi8481.	10.3	15
3	Phonon-Limited Mobility in h -BN Encapsulated A -BN Stacked Bilayer Graphene. <i>Physical Review Letters</i> , 2022, 128, .	7.8	5
4	Dual-Gated Graphene Devices for Near-Field Nano-imaging. <i>Nano Letters</i> , 2021, 21, 1688-1693.	9.1	13
5	Correlated electronic phases in twisted bilayer transition metal dichalcogenides. <i>Nature Materials</i> , 2020, 19, 861-866.	27.5	544
6	Thermal radiation control from hot graphene electrons coupled to a photonic crystal nanocavity. <i>Nature Communications</i> , 2019, 10, 109.	12.8	79
7	Monolayer Molybdenum Disulfide Transistors with Single-Atom-Thick Gates. <i>Nano Letters</i> , 2018, 18, 3807-3813.	9.1	88
8	Fast thermal relaxation in cavity-coupled graphene bolometers with a Johnson noise read-out. <i>Nature Nanotechnology</i> , 2018, 13, 797-801.	31.5	66
9	Tuning quantum nonlocal effects in graphene plasmonics. <i>Science</i> , 2017, 357, 187-191.	12.6	251
10	Even-denominator fractional quantum Hall states in bilayer graphene. <i>Science</i> , 2017, 358, 648-652.	12.6	90
11	Electrical 2π phase control of infrared light in a 350-nm footprint using graphene plasmons. <i>Nature Photonics</i> , 2017, 11, 421-424.	31.4	63
12	Thermoelectric detection and imaging of propagating graphene plasmons. <i>Nature Materials</i> , 2017, 16, 204-207.	27.5	141
13	Tunable Ultrafast Thermal Relaxation in Graphene Measured by Continuous-Wave Photomixing. <i>Physical Review Letters</i> , 2016, 117, 257401.	7.8	16
14	Oxygen-activated growth and bandgap tunability of large single-crystal bilayer graphene. <i>Nature Nanotechnology</i> , 2016, 11, 426-431.	31.5	287