Cheng Tan

List of Publications by Year
in descending order

14	1,684	687363 13	1058476 14
papers	citations	h-index	g-index

14	14	14	3115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlated electronic phases in twisted bilayer transition metal dichalcogenides. Nature Materials, 2020, 19, 861-866.	27.5	544
2	Oxygen-activated growth and bandgap tunability of large single-crystal bilayer graphene. Nature Nanotechnology, 2016, 11, 426-431.	31.5	287
3	Tuning quantum nonlocal effects in graphene plasmonics. Science, 2017, 357, 187-191.	12.6	251
4	Thermoelectric detection and imaging of propagating grapheneÂplasmons. Nature Materials, 2017, 16, 204-207.	27.5	141
5	Even-denominator fractional quantum Hall states in bilayer graphene. Science, 2017, 358, 648-652.	12.6	90
6	Monolayer Molybdenum Disulfide Transistors with Single-Atom-Thick Gates. Nano Letters, 2018, 18, 3807-3813.	9.1	88
7	Thermal radiation control from hot graphene electrons coupled to a photonic crystal nanocavity. Nature Communications, 2019, 10, 109.	12.8	79
8	Fast thermal relaxation in cavity-coupled graphene bolometers with a Johnson noise read-out. Nature Nanotechnology, 2018, 13, 797-801.	31.5	66
9	Electrical 2Ï€ phase control of infrared light in a 350-nm footprint using graphene plasmons. Nature Photonics, 2017, 11, 421-424.	31.4	63
10	Tunable and giant valley-selective Hall effect in gapped bilayer graphene. Science, 2022, 375, 1398-1402.	12.6	26
11	Tunable Ultrafast Thermal Relaxation in Graphene Measured by Continuous-Wave Photomixing. Physical Review Letters, 2016, 117, 257401.	7.8	16
12	Dissipation-enabled hydrodynamic conductivity in a tunable bandgap semiconductor. Science Advances, 2022, 8, eabi8481.	10.3	15
13	Dual-Gated Graphene Devices for Near-Field Nano-imaging. Nano Letters, 2021, 21, 1688-1693.	9.1	13
14	Phonon-Limited Mobility in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>h</mml:mi></mml:mrow></mml:math> -BN Encapsulated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:mi>B</mml:mi></mml:mrow></mml:math> -Stacked Bilayer Graphene. Physical Review Letters, 2022, 128, .	7.8	5