

Guorui Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,512
citations

567281

15
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

5180
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial growth of single-domain graphene on hexagonal boron nitride. <i>Nature Materials</i> , 2013, 12, 792-797.	27.5	882
2	Signatures of tunable superconductivity in a trilayer graphene moiré superlattice. <i>Nature</i> , 2019, 572, 215-219.	27.8	458
3	Evidence of a gate-tunable Mott insulator in a trilayer graphene moiré superlattice. <i>Nature Physics</i> , 2019, 15, 237-241.	16.7	436
4	Tunable correlated Chern insulator and ferromagnetism in a moiré superlattice. <i>Nature</i> , 2020, 579, 56-61.	27.8	425
5	Gate-tunable topological valley transport in bilayer graphene. <i>Nature Physics</i> , 2015, 11, 1027-1031.	16.7	301
6	Quantum oscillations in a two-dimensional electron gas in black phosphorus thin films. <i>Nature Nanotechnology</i> , 2015, 10, 608-613.	31.5	282
7	Gaps induced by inversion symmetry breaking and second-generation Dirac cones in graphene/hexagonal boron nitride. <i>Nature Physics</i> , 2016, 12, 1111-1115.	16.7	179
8	Thermally Induced Graphene Rotation on Hexagonal Boron Nitride. <i>Physical Review Letters</i> , 2016, 116, 126101.	7.8	142
9	Gate-Tunable Topological Flat Bands in Trilayer Graphene Boron-Nitride Moiré Superlattices. <i>Physical Review Letters</i> , 2019, 122, 016401.	7.8	130
10	Strain-Modulated Bandgap and Piezo-Resistive Effect in Black Phosphorus Field-Effect Transistors. <i>Nano Letters</i> , 2017, 17, 6097-6103.	9.1	117
11	Hofstadter Butterfly and Many-Body Effects in Epitaxial Graphene Superlattice. <i>Nano Letters</i> , 2016, 16, 2387-2392.	9.1	36
12	Spectroscopy signatures of electron correlations in a trilayer graphene/hBN moiré superlattice. <i>Science</i> , 2022, 375, 1295-1299.	12.6	30
13	Emergence of Tertiary Dirac Points in Graphene Moiré Superlattices. <i>Nano Letters</i> , 2017, 17, 3576-3581.	9.1	28
14	Recent Progress in the Transfer of Graphene Films and Nanostructures. <i>Small Methods</i> , 2021, 5, e2100771.	8.6	17
15	Tunable Orbital Ferromagnetism at Noninteger Filling of a Moiré Superlattice. <i>Nano Letters</i> , 2022, 22, 238-245.	9.1	17
16	Electronic structure of transferred graphene/h-BN van der Waals heterostructures with nonzero stacking angles by nano-ARPES. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 444002.	1.8	14
17	Layer Controllable Graphene Using Graphite Intercalation Compounds with Different Stage Numbers through Li Conversion Reaction. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500496.	3.7	4
18	Experimental evidence of plasmarons and effective fine structure constant in electron-doped graphene/h-BN heterostructure. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	3

#	ARTICLE	IF	CITATIONS
19	Oxidizing Hexagonal Boron Nitride into Fluorescent Structures by Photodissociated Directional Oxygen Radical. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3369-3376.	4.6	3