

Yuan Cao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9578919/publications.pdf>

Version: 2024-02-01

24
papers

12,660
citations

257450

24
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

9787
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional superconductivity in magic-angle graphene superlattices. Nature, 2018, 556, 43-50.	27.8	5,221
2	Correlated insulator behaviour at half-filling in magic-angle graphene superlattices. Nature, 2018, 556, 80-84.	27.8	3,086
3	Tunable strongly coupled superconductivity in magic-angle twisted trilayer graphene. Nature, 2021, 590, 249-255.	27.8	449
4	Tunable correlated states and spin-polarized phases in twisted bilayer bilayer graphene. Nature, 2020, 583, 215-220.	27.8	433
5	A MoTe ₂ -based light-emitting diode and photodetector for silicon photonic integrated circuits. Nature Nanotechnology, 2017, 12, 1124-1129.	31.5	344
6	Superlattice-Induced Insulating States and Valley-Protected Orbits in Twisted Bilayer Graphene. Physical Review Letters, 2016, 117, 116804.	7.8	312
7	Cascade of phase transitions and Dirac revivals in magic-angle graphene. Nature, 2020, 582, 203-208.	27.8	297
8	Nearly flat Chern bands in moiré superlattices. Physical Review B, 2019, 99, .	3.2	295
9	Strange Metal in Magic-Angle Graphene with near Planckian Dissipation. Physical Review Letters, 2020, 124, 076801.	7.8	293
10	Electrically tunable low-density superconductivity in a monolayer topological insulator. Science, 2018, 362, 926-929.	12.6	271
11	Mapping the twist-angle disorder and Landau levels in magic-angle graphene. Nature, 2020, 581, 47-52.	27.8	241
12	Nematicity and competing orders in superconducting magic-angle graphene. Science, 2021, 372, 264-271.	12.6	223
13	Pauli-limit violation and re-entrant superconductivity in moiré graphene. Nature, 2021, 595, 526-531.	27.8	165
14	Fractional Chern insulators in magic-angle twisted bilayer graphene. Nature, 2021, 600, 439-443.	27.8	158
15	Flavour Hund's coupling, Chern gaps and charge diffusivity in moiré graphene. Nature, 2021, 592, 43-48.	27.8	127
16	Entropic evidence for a Pomeranchuk effect in magic-angle graphene. Nature, 2021, 592, 214-219.	27.8	118
17	High-temperature quantum oscillations caused by recurring Bloch states in graphene superlattices. Science, 2017, 357, 181-184.	12.6	117
18	Electronic Compressibility of Magic-Angle Graphene Superlattices. Physical Review Letters, 2019, 123, 046601.	7.8	106

#	ARTICLE	IF	CITATIONS
19	Robust superconductivity in magic-angle multilayer graphene family. Nature Materials, 2022, 21, 877-883.	27.5	100
20	Unconventional sequence of correlated Chern insulators in magic-angle twisted bilayer graphene. Nature Physics, 2021, 17, 1210-1215.	16.7	78
21	Giant intrinsic photoresponse in pristine graphene. Nature Nanotechnology, 2019, 14, 145-150.	31.5	61
22	Highly tunable junctions and non-local Josephson effect in magic-angle graphene tunnelling devices. Nature Nanotechnology, 2021, 16, 769-775.	31.5	58
23	Deepâ€Learningâ€Enabled Fast Optical Identification and Characterization of 2D Materials. Advanced Materials, 2020, 32, e2000953.	21.0	54
24	Observation of interband collective excitations in twisted bilayer graphene. Nature Physics, 2021, 17, 1162-1168.	16.7	47