

Yuanbo Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

19,630
citations

136885

32
h-index

302012

39
g-index

40
all docs

40
docs citations

40
times ranked

20691
citing authors

#	ARTICLE	IF	CITATIONS
19	Direct observation of the layer-dependent electronic structure in phosphorene. <i>Nature Nanotechnology</i> , 2017, 12, 21-25.	15.6	625
20	Layer Controllable Graphene Using Graphite Intercalation Compounds with Different Stage Numbers through Li Conversion Reaction. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500496.	1.9	4
21	Gaps induced by inversion symmetry breaking and second-generation Dirac cones in graphene/hexagonal boron nitride. <i>Nature Physics</i> , 2016, 12, 1111-1115.	6.5	179
22	Thermally Induced Graphene Rotation on Hexagonal Boron Nitride. <i>Physical Review Letters</i> , 2016, 116, 126101.	2.9	142
23	A metallic mosaic phase and the origin of Mott-insulating state in 1T-TaS ₂ . <i>Nature Communications</i> , 2016, 7, 10956.	5.8	196
24	Quantum Hall effect in black phosphorus two-dimensional electron system. <i>Nature Nanotechnology</i> , 2016, 11, 593-597.	15.6	356
25	Hofstadter Butterfly and Many-Body Effects in Epitaxial Graphene Superlattice. <i>Nano Letters</i> , 2016, 16, 2387-2392.	4.5	36
26	Zeeman effect of the topological surface states revealed by quantum oscillations up to 91 Tesla. <i>Physical Review B</i> , 2015, 92, .	1.1	11
27	Widely Tunable Terahertz Phase Modulation with Gate-Controlled Graphene Metasurfaces. <i>Physical Review X</i> , 2015, 5, .	2.8	173
28	Gate-tunable phase transitions in thin flakes of 1T-TaS ₂ . <i>Nature Nanotechnology</i> , 2015, 10, 270-276.	15.6	584
29	Quantum oscillations in a two-dimensional electron gas in black phosphorus thin films. <i>Nature Nanotechnology</i> , 2015, 10, 608-613.	15.6	282
30	Gate-tunable topological valley transport in bilayer graphene. <i>Nature Physics</i> , 2015, 11, 1027-1031.	6.5	301
31	Polymer Adsorption on Graphite and CVD Graphene Surfaces Studied by Surface-Specific Vibrational Spectroscopy. <i>Nano Letters</i> , 2015, 15, 6501-6505.	4.5	39
32	Black phosphorus field-effect transistors. <i>Nature Nanotechnology</i> , 2014, 9, 372-377.	15.6	7,071
33	Gate-dependent pseudospin mixing in graphene/boron nitride moiré superlattices. <i>Nature Physics</i> , 2014, 10, 743-747.	6.5	64
34	Infrared spectroscopy of graphene. , 2011, , .		0
35	Drude conductivity of Dirac fermions in graphene. <i>Physical Review B</i> , 2011, 83, .	1.1	447
36	Optical spectroscopy of bilayer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2931-2934.	0.7	3

#	ARTICLE	IF	CITATIONS
37	Direct observation of a widely tunable bandgap in bilayer graphene. Nature, 2009, 459, 820-823.	13.7	3,148
38	Origin of spatial charge inhomogeneity in graphene. Nature Physics, 2009, 5, 722-726.	6.5	630
39	Giant phonon-induced conductance in scanning tunnelling spectroscopy of gate-tunable graphene. Nature Physics, 2008, 4, 627-630.	6.5	404
40	Scanning tunneling spectroscopy of inhomogeneous electronic structure in monolayer and bilayer graphene on SiC. Applied Physics Letters, 2007, 91, .	1.5	238