

Yanwen Liu

List of Publications by Year in descending order

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26
papers

1,865
citations

304743

22
h-index

526287

27
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27
all docs

27
docs citations

27
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh conductivity in Weyl semimetal NbAs nanobelts. Nature Materials, 2019, 18, 482-488.	27.5	68
2	Quantum Hall effect based on Weyl orbits in Cd ₃ As ₂ . Nature, 2019, 565, 331-336.	27.8	194
3	Two-dimensional transport and strong spin-orbit interaction in SrMnSb. Chinese Physics B, 2018, 27, 017504.	1.4	4
4	Cr doping induced negative transverse magnetoresistance in Cd ₃ As ₂ thin films. Physical Review B, 2018, 97, .	3.2	11
5	Chiral Landau levels in Weyl semimetal NbAs with multiple topological carriers. Nature Communications, 2018, 9, 1854.	12.8	37
6	Large Hall angle-driven magneto-transport phenomena in topological Dirac semimetal Cd ₃ As ₂ . Applied Physics Letters, 2018, 113, .	3.3	4
7	Inducing Strong Superconductivity in WTe ₂ by a Proximity Effect. ACS Nano, 2018, 12, 7185-7196.	14.6	48
8	Room-temperature chiral charge pumping in Dirac semimetals. Nature Communications, 2017, 8, 13741.	12.8	113
9	Direct Observation of Landau Level Resonance and Mass Generation in Dirac Semimetal Cd ₃ As ₂ Thin Films. Nano Letters, 2017, 17, 2211-2219.	9.1	40
10	Evolution of Weyl orbit and quantum Hall effect in Dirac semimetal Cd ₃ As ₂ . Nature Communications, 2017, 8, 1272.	12.8	118
11	Evidence for pressure-induced node-pair annihilation in Cd ₃ As ₂ . Nature Communications, 2017, 8, 1272.	3.2	14
12	Wafer-scale two-dimensional ferromagnetic Fe ₃ GeTe ₂ thin films grown by molecular beam epitaxy. Npj 2D Materials and Applications, 2017, 1, .	7.9	157
13	Thickness-dependent quantum oscillations in Cd ₃ As ₂ thin films. New Journal of Physics, 2016, 18, 083003.	2.9	40
14	Observation of quasi-two-dimensional Dirac fermions in ZrTe ₅ . NPG Asia Materials, 2016, 8, e325-e325.	7.9	51
15	Zeeman splitting and dynamical mass generation in Dirac semimetal ZrTe ₅ . Nature Communications, 2016, 7, 12516.	12.8	149
16	Highly Tunable Berry Phase and Ambipolar Field Effect in Topological Crystalline Insulator Pb _{1-x} Sn _x Se. Nano Letters, 2015, 15, 2161-2167.	9.1	23
17	Controllable Growth of Vertical Heterostructure GaTe _{1-x} Se _x /Si by Molecular Beam Epitaxy. ACS Nano, 2015, 9, 8592-8598.	14.6	53
18	Spin-Valve Effect in NiFe/MoS ₂ /NiFe Junctions. Nano Letters, 2015, 15, 5261-5267.	9.1	135

#	ARTICLE	IF	CITATIONS
19	Arrayed van der Waals Vertical Heterostructures Based on 2D GaSe Grown by Molecular Beam Epitaxy. Nano Letters, 2015, 15, 3571-3577.	9.1	146
20	Landau level splitting in Cd ₃ As ₂ under high magnetic fields. Nature Communications, 2015, 6, 7779.	12.8	126
21	Magnetotransport Properties of Cd ₃ As ₂ Nanostructures. ACS Nano, 2015, 9, 8843-8850.	14.6	57
22	Wafer-scale arrayed p-n junctions based on few-layer epitaxial GaTe. Nano Research, 2015, 8, 3332-3341.	10.4	41
23	Gate-tunable quantum oscillations in ambipolar Cd ₃ As ₂ thin films. NPG Asia Materials, 2015, 7, e221-e221.	7.9	68
24	Observations of a Metal-Insulator Transition and Strong Surface States in Bi ₂ Sb ₃ Se ₃ Thin Films. Advanced Materials, 2014, 26, 7110-7115.	21.0	37
25	Controllable Schottky Barriers between MoS ₂ and Permalloy. Scientific Reports, 2014, 4, 6928.	3.3	68
26	High-quality Bi ₂ Te ₃ thin films grown on mica substrates for potential optoelectronic applications. Applied Physics Letters, 2013, 103, .	3.3	50