

Yanwen Liu

List of Publications by Year in descending order

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26
papers

1,865
citations

304743

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526287

27
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27
all docs

27
docs citations

27
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Hall effect based on Weyl orbits in Cd ₃ As ₂ . Nature, 2019, 565, 331-336.	27.8	194
2	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
3	Zeeman splitting and dynamical mass generation in Dirac semimetal ZrTe ₅ . Nature Communications, 2016, 7, 12516.	12.8	149
4	Arrayed van der Waals Vertical Heterostructures Based on 2D GaSe Grown by Molecular Beam Epitaxy. Nano Letters, 2015, 15, 3571-3577.	9.1	146
5	Spin-Valve Effect in NiFe/MoS ₂ /NiFe Junctions. Nano Letters, 2015, 15, 5261-5267.	9.1	135
6	Landau level splitting in Cd ₃ As ₂ under high magnetic fields. Nature Communications, 2015, 6, 7779.	12.8	126
7	Evolution of Weyl orbit and quantum Hall effect in Dirac semimetal Cd ₃ As ₂ . Nature Communications, 2017, 8, 1272.	12.8	118
8	Room-temperature chiral charge pumping in Dirac semimetals. Nature Communications, 2017, 8, 13741.	12.8	113
9	Controllable Schottky Barriers between MoS ₂ and Permalloy. Scientific Reports, 2014, 4, 6928.	3.3	68
10	Gate-tunable quantum oscillations in ambipolar Cd ₃ As ₂ thin films. NPG Asia Materials, 2015, 7, e221-e221.	7.9	68
11	Ultrahigh conductivity in Weyl semimetal NbAs nanobelts. Nature Materials, 2019, 18, 482-488.	27.5	68
12	Magnetotransport Properties of Cd ₃ As ₂ Nanostructures. ACS Nano, 2015, 9, 8843-8850.	14.6	57
13	Controllable Growth of Vertical Heterostructure GaTe _x Se _{1-x} /Si by Molecular Beam Epitaxy. ACS Nano, 2015, 9, 8592-8598.	14.6	53
14	Observation of quasi-two-dimensional Dirac fermions in ZrTe ₅ . NPG Asia Materials, 2016, 8, e325-e325.	7.9	51
15	High-quality Bi ₂ Te ₃ thin films grown on mica substrates for potential optoelectronic applications. Applied Physics Letters, 2013, 103, .	3.3	50
16	Inducing Strong Superconductivity in WTe ₂ by a Proximity Effect. ACS Nano, 2018, 12, 7185-7196.	14.6	48
17	Wafer-scale arrayed p-n junctions based on few-layer epitaxial GaTe. Nano Research, 2015, 8, 3332-3341.	10.4	41
18	Thickness-dependent quantum oscillations in Cd ₃ As ₂ thin films. New Journal of Physics, 2016, 18, 083003.	2.9	40

#	ARTICLE	IF	CITATIONS
19	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
20	Observations of a Metal-Insulator Transition and Strong Surface States in Bi ₂ Se ₃ Thin Films. Advanced Materials, 2014, 26, 7110-7115.	21.0	37
21	Chiral Landau levels in Weyl semimetal NbAs with multiple topological carriers. Nature Communications, 2018, 9, 1854.	12.8	37
22	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
23	Evidence for pressure-induced node pair annihilation in Cd_3As_2 $C_d \times A_3 \times S_2$	3.2	14
24	Cr doping induced negative transverse magnetoresistance in Cd ₃ As ₂ thin films. Physical Review B, 2018, 97, .	3.2	11
25	Two-dimensional transport and strong spin-orbit interaction in SrMnSb ₂ . Chinese Physics B, 2018, 27, 017504.	1.4	4
26	Large Hall angle-driven magneto-transport phenomena in topological Dirac semimetal Cd ₃ As ₂ . Applied Physics Letters, 2018, 113, .	3.3	4