Enze Zhang

List of Publications by Year
in descending order

27 papers	1,843 citations	430874 18 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	3495 citing authors

#	Article	IF	Citations
1	ReS₂â€Based Fieldâ€Effect Transistors and Photodetectors. Advanced Functional Materials, 2015, 25, 4076-4082.	14.9	282
2	Tunable Ambipolar Polarization-Sensitive Photodetectors Based on High-Anisotropy ReSe₂ Nanosheets. ACS Nano, 2016, 10, 8067-8077.	14.6	276
3	Tunable Charge-Trap Memory Based on Few-Layer MoS₂. ACS Nano, 2015, 9, 612-619.	14.6	217
4	Wafer-scale two-dimensional ferromagnetic Fe3GeTe2 thin films grown by molecular beam epitaxy. Npj 2D Materials and Applications, 2017, 1, .	7.9	157
5	Evolution of Weyl orbit and quantum Hall effect in Dirac semimetal Cd3As2. Nature Communications, 2017, 8, 1272.	12.8	118
6	Room-temperature chiral charge pumping in Dirac semimetals. Nature Communications, 2017, 8, 13741.	12.8	113
7	Tunable Positive to Negative Magnetoresistance in Atomically Thin WTe₂. Nano Letters, 2017, 17, 878-885.	9.1	92
8	Magnetotransport Properties of Cd₃As₂ Nanostructures. ACS Nano, 2015, 9, 8843-8850.	14.6	57
9	Light-Tunable Ferromagnetism in Atomically Thin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></m Driven by Femtosecond Laser Pulse. Physical Review Letters, 2020, 125, 267205.	7.8	57
10	Controllable Growth of Vertical Heterostructure GaTe_{<i>x</i>}Se_{1â€“<i>x</i>}/Si by Molecular Beam Epitaxy. ACS Nano, 2015, 9, 8592-8598.	14.6	53
11	Proximity-induced surface superconductivity in Dirac semimetal Cd3As2. Nature Communications, 2019, 10, 2217.	12.8	50
12	Inducing Strong Superconductivity in WTe₂ by a Proximity Effect. ACS Nano, 2018, 12, 7185-7196.	14.6	48
13	Nonreciprocal superconducting NbSe2 antenna. Nature Communications, 2020, 11, 5634.	12.8	43
14	Scalable Growth of High Mobility Dirac Semimetal Cd₃As₂ Microbelts. Nano Letters, 2015, 15, 5830-5834.	9.1	41
15	Two-dimensional ferromagnetic superlattices. National Science Review, 2020, 7, 745-754.	9.5	39
16	Van der Waals ferromagnetic Josephson junctions. Nature Communications, 2021, 12, 6580.	12.8	31
17	Edge superconductivity in multilayer WTe2 Josephson junction. National Science Review, 2020, 7, 1468-1475.	9.5	22
18	Signature of quantum Griffiths singularity state in a layered quasi-one-dimensional superconductor. Nature Communications, 2018, 9, 4656.	12.8	21

#	Article	IF	Citations
19	Various and Tunable Transport Properties of WSe₂ Transistor Formed by Metal Contacts. Small, 2017, 13, 1604319.	10.0	17
20	Superconductivity and magnetotransport of single-crystalline NbSe₂nanoplates grown by chemical vapour deposition. Nanoscale, 2017, 9, 16591-16595.	5.6	17
21	Anomalous Spin Behavior in Fe₃GeTe₂ Driven by Current Pulses. ACS Nano, 2020, 14, 9512-9520.	14.6	17
22	Atomic disorders in layer structured topological insulator SnBi2Te4 nanoplates. Nano Research, 2018, 11, 696-706.	10.4	16
23	Surface-energy engineered Bi-doped SnTe nanoribbons with weak antilocalization effect and linear magnetoresistance. Nanoscale, 2016, 8, 19383-19389.	5.6	15
24	Gate-Tunable Surface States in Topological Insulator Î2-Ag₂Te with High Mobility. Nano Letters, 2020, 20, 7004-7010.	9.1	15
25	Quasiâ€1D van der Waals Antiferromagnetic CrZr₄Te₁₄ with Large Inâ€Plane Anisotropic Negative Magnetoresistance. Advanced Materials, 2022, 34, e2200145.	21.0	7
26	Controllable Domain Walls in Two-Dimensional Ferromagnetic Material Fe₃GeTe₂ Based on the Spin-Transfer Torque Effect. ACS Nano, 2021, 15, 19513-19521.	14.6	6
27	Magnetic-Field-Induced Re-entrance of Superconductivity in Ta2PdS5 Nanostrips. Nano Letters, 2021, 21, 288-297.	9.1	3