Yue Zhao

List of Publications by Year
in descending order

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46 papers	13,171 citations	218592 26 h-index	233338 45 g-index
46 all docs	46 docs citations	46 times ranked	20005 citing authors

#	Article	IF	Citations
1	Large-scale pattern growth of graphene films for stretchable transparent electrodes. Nature, 2009, 457, 706-710.	13.7	9,624
2	Tuning the Graphene Work Function by Electric Field Effect. Nano Letters, 2009, 9, 3430-3434.	4.5	1,255
3	Flexible Electronics: Stretchable Electrodes and Their Future. Advanced Functional Materials, 2019, 29, 1805924.	7.8	510
4	Creating and probing electron whispering-gallery modes in graphene. Science, 2015, 348, 672-675.	6.0	170
5	An on/off Berry phase switch in circular graphene resonators. Science, 2017, 356, 845-849.	6.0	107
6	Unsaturated Single Atoms on Monolayer Transition Metal Dichalcogenides for Ultrafast Hydrogen Evolution. ACS Nano, 2020, 14, 767-776.	7.3	106
7	Inking Elastomeric Stamps with Microâ€Patterned, Single Layer Graphene to Create Highâ€Performance OFETs. Advanced Materials, 2011, 23, 3531-3535.	11.1	100
8	Defect-engineered reduced graphene oxide sheets with high electric conductivity and controlled thermal conductivity for soft and flexible wearable thermoelectric generators. Nano Energy, 2018, 54, 163-174.	8.2	94
9	Magnetoresistance Measurements of Graphene at the Charge Neutrality Point. Physical Review Letters, 2012, 108, 106804.	2.9	87
10	Design and applications of stretchable and self-healable conductors for soft electronics. Nano Convergence, 2019, 6, 25.	6.3	83
11	Prospects and Opportunities of 2D van der Waals Magnetic Systems. Annalen Der Physik, 2020, 532, 1900452.	0.9	76
12	Organic Field Effect Transistors Based on Graphene and Hexagonal Boron Nitride Heterostructures. Advanced Functional Materials, 2014, 24, 5157-5163.	7.8	64
13	Vapor-Phase Incommensurate Heteroepitaxy of Oriented Single-Crystal CsPbBr₃ on GaN: Toward Integrated Optoelectronic Applications. ACS Nano, 2019, 13, 10085-10094.	7.3	59
14	Dualâ€Additive Assisted Chemical Vapor Deposition for the Growth of Mnâ€Doped 2D MoS₂ with Tunable Electronic Properties. Small, 2020, 16, e1903181.	5.2	54
15	Modulating Electronic Structure of Monolayer Transition Metal Dichalcogenides by Substitutional Nbâ€Doping. Advanced Functional Materials, 2021, 31, 2006941.	7.8	54
16	Magnetic Order-Induced Polarization Anomaly of Raman Scattering in 2D Magnet CrI₃. Nano Letters, 2020, 20, 729-734.	4.5	52
17	Distinct Topological Surface States on the Two Terminations of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn> Physical Review X, 2020, 10, .	2.8	52
18	Te-Vacancy-Induced Surface Collapse and Reconstruction in Antiferromagnetic Topological Insulator MnBi₂Te₄. ACS Nano, 2020, 14, 11262-11272.	7.3	47

#	Article	IF	Citations
19	High-Temperature Continuous-Wave Pumped Lasing from Large-Area Monolayer Semiconductors Grown by Chemical Vapor Deposition. ACS Nano, 2018, 12, 9390-9396.	7.3	44
20	Strong Asymmetric Charge Carrier Dependence in Inelastic Electron Tunneling Spectroscopy of Graphene Phonons. Physical Review Letters, 2015, 114, 245502.	2.9	41
21	Half-Magnetic Topological Insulator with Magnetization-Induced Dirac Gap at a Selected Surface. Physical Review X, 2021, 11, .	2.8	39
22	Analytical solution for the surface states of the antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mn></mml:mn></mml:mrow></mml:math> Physical Review B, 2020, 102, .	1.1	34
23	Using nonlocal surface transport to identify the axion insulator. Physical Review B, 2021, 103, .	1.1	33
24	Probing the Ferromagnetism and Spin Wave Gap in VI₃ by Helicity-Resolved Raman Spectroscopy. Nano Letters, 2020, 20, 6024-6031.	4.5	32
25	Nonvolatile Ferroelectricâ€Domainâ€Wall Memory Embedded in a Complex Topological Domain Structure. Advanced Materials, 2022, 34, e2107711.	11.1	32
26	Hybridization-induced gapped and gapless states on the surface of magnetic topological insulators. Physical Review B, 2020, 102, .	1.1	29
27	Realization of a tunable surface Dirac gap in Sb-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mn></mml:mn></mml:mrow></mml:math> Physical Review B, 2021, 103, .	1.1	27
28	Pressure-Tuned Intralayer Exchange in Superlattice-Like MnBi₂Te₄/(Bi₂Te₃)_n Topological Insulators. Nano Letters, 2021, 21, 5874-5880.	4.5	27
29	Resistive switching and photovoltaic effects in ferroelectric BaTiO3-based capacitors with Ti and Pt top electrodes. Applied Physics Letters, 2017, 111, .	1.5	25
30	Three-Dimensional Spirals of Conjugated Block Copolymers Driven by Screw Dislocation. Macromolecules, 2020, 53, 3217-3223.	2.2	24
31	Precisely Controlled Two-Dimensional Rhombic Copolymer Micelles for Sensitive Flexible Tunneling Devices. CCS Chemistry, 2021, 3, 1399-1409.	4.6	23
32	Confined van der Waals Epitaxial Growth of Two-Dimensional Large Single-Crystal In₂Se₃ for Flexible Broadband Photodetectors. Research, 2019, 2019, 1-10.	2.8	20
33	Graphene/SnS₂ van der Waals Photodetector with High Photoresponsivity and High Photodetectivity for Broadband 365â€“2240 nm Detection. ACS Applied Materials & Interfaces, 2021, 13, 47198-47207.	4.0	18
34	Confined van der Waals Epitaxial Growth of Two-Dimensional Large Single-Crystal In ₂ Se ₃ for Flexible Broadband Photodetectors. Research, 2019, 2019, 2763704.	2.8	18
35	Raman spectra and dimensional effect on the charge density wave transition in GdTe3. Applied Physics Letters, 2019, 115, .	1.5	15
36	Graphoepitaxy of Large Scale, Highly Ordered CsPbBr 3 Nanowire Array on Muscovite Mica (001) Driven by Surface Reconstructed Grooves. Advanced Optical Materials, 2020, 8, 2000743.	3.6	15

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37	Tomography of a Probe Potential Using Atomic Sensors on Graphene. ACS Nano, 2016, 10, 10698-10705.	7.3	13
38	Electrical Contact Barriers between a Three-Dimensional Metal and Layered SnS₂. ACS Applied Materials & Interfaces, 2020, 12, 15830-15836.	4.0	13
39	Controlled one step thinning and doping of two-dimensional transition metal dichalcogenides. Science China Materials, 2019, 62, 1837-1845.	3.5	10
40	Selfâ€Intercalation Tunable Interlayer Exchange Coupling in a Synthetic van der Waals Antiferromagnet. Advanced Functional Materials, 2022, 32, .	7.8	10
41	Flux Tunable Superconducting Quantum Circuit Based on Weyl Semimetal MoTe₂. Nano Letters, 2020, 20, 8469-8475.	4.5	9
42	Sugar transfer of nanomaterials and flexible electrodes. International Journal of Smart and Nano Materials, 2020, 11, 1-10.	2.0	8
43	Towards intrinsically pure graphene grown on copper. Nano Research, 2022, 15, 919-924.	5.8	7
44	Observation of Ultrastrong Coupling between Substrate and the Magnetic Topological Insulator MnBi₂Te₄. Nano Letters, 2022, 22, 3856-3864.	4.5	6
45	Enhanced Ferroelectric and Piezoelectric Properties in Graphene-Electroded Pb(Zr,Ti)O₃ Thin Films. ACS Applied Materials & Interfaces, 2022, 14, 17987-17994.	4.0	5
46	Spatially Resolved Electric and Thermal Properties Study of Graphene Field Effect Devices. , 2011, , .		0