

Yue Zhao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

11,095
citations

20
h-index

46
g-index

46
ext. papers

12,235
ext. citations

12.1
avg, IF

5.84
L-index

#	Paper	IF	Citations
43	Large-scale pattern growth of graphene films for stretchable transparent electrodes. <i>Nature</i> , 2009 , 457, 706-10	50.4	8675
42	Tuning the graphene work function by electric field effect. <i>Nano Letters</i> , 2009 , 9, 3430-4	11.5	1073
41	Flexible Electronics: Stretchable Electrodes and Their Future. <i>Advanced Functional Materials</i> , 2019 , 29, 1805924	15.6	305
40	Physics. Creating and probing electron whispering-gallery modes in graphene. <i>Science</i> , 2015 , 348, 672-5	33.3	133
39	Inking elastomeric stamps with micro-patterned, single layer graphene to create high-performance OFETs. <i>Advanced Materials</i> , 2011 , 23, 3531-5	24	87
38	An on/off Berry phase switch in circular graphene resonators. <i>Science</i> , 2017 , 356, 845-849	33.3	80
37	Magnetoresistance measurements of graphene at the charge neutrality point. <i>Physical Review Letters</i> , 2012 , 108, 106804	7.4	69
36	Unsaturated Single Atoms on Monolayer Transition Metal Dichalcogenides for Ultrafast Hydrogen Evolution. <i>ACS Nano</i> , 2020 , 14, 767-776	16.7	69
35	Defect-engineered reduced graphene oxide sheets with high electric conductivity and controlled thermal conductivity for soft and flexible wearable thermoelectric generators. <i>Nano Energy</i> , 2018 , 54, 163-174	17.1	64
34	Organic Field Effect Transistors Based on Graphene and Hexagonal Boron Nitride Heterostructures. <i>Advanced Functional Materials</i> , 2014 , 24, 5157-5163	15.6	57
33	Design and applications of stretchable and self-healable conductors for soft electronics. <i>Nano Convergence</i> , 2019 , 6, 25	9.2	51
32	Vapor-Phase Incommensurate Heteroepitaxy of Oriented Single-Crystal CsPbBr on GaN: Toward Integrated Optoelectronic Applications. <i>ACS Nano</i> , 2019 , 13, 10085-10094	16.7	39
31	Strong Asymmetric Charge Carrier Dependence in Inelastic Electron Tunneling Spectroscopy of Graphene Phonons. <i>Physical Review Letters</i> , 2015 , 114, 245502	7.4	37
30	Prospects and Opportunities of 2D van der Waals Magnetic Systems. <i>Annalen Der Physik</i> , 2020 , 532, 1900452	14.5	33
29	High-Temperature Continuous-Wave Pumped Lasing from Large-Area Monolayer Semiconductors Grown by Chemical Vapor Deposition. <i>ACS Nano</i> , 2018 , 12, 9390-9396	16.7	29
28	Magnetic Order-Induced Polarization Anomaly of Raman Scattering in 2D Magnet CrI. <i>Nano Letters</i> , 2020 , 20, 729-734	11.5	29
27	Dual-Additive Assisted Chemical Vapor Deposition for the Growth of Mn-Doped 2D MoS with Tunable Electronic Properties. <i>Small</i> , 2020 , 16, e1903181	11	28

26	Distinct Topological Surface States on the Two Terminations of MnBi ₄ Te ₇ . <i>Physical Review X</i> , 2020 , 10,	9.1	23
25	Modulating Electronic Structure of Monolayer Transition Metal Dichalcogenides by Substitutional Nb-Doping. <i>Advanced Functional Materials</i> , 2021 , 31, 2006941	15.6	23
24	Resistive switching and photovoltaic effects in ferroelectric BaTiO ₃ -based capacitors with Ti and Pt top electrodes. <i>Applied Physics Letters</i> , 2017 , 111, 252901	3.4	21
23	Probing the Ferromagnetism and Spin Wave Gap in VI by Helicity-Resolved Raman Spectroscopy. <i>Nano Letters</i> , 2020 , 20, 6024-6031	11.5	13
22	Te-Vacancy-Induced Surface Collapse and Reconstruction in Antiferromagnetic Topological Insulator MnBiTe. <i>ACS Nano</i> , 2020 , 14, 11262-11272	16.7	13
21	Precisely Controlled Two-Dimensional Rhombic Copolymer Micelles for Sensitive Flexible Tunneling Devices. <i>CCS Chemistry</i> , 2021 , 3, 1399-1409	7.2	12
20	Tomography of a Probe Potential Using Atomic Sensors on Graphene. <i>ACS Nano</i> , 2016 , 10, 10698-10705	16.7	10
19	Hybridization-induced gapped and gapless states on the surface of magnetic topological insulators. <i>Physical Review B</i> , 2020 , 102,	3.3	10
18	Confined van der Waals Epitaxial Growth of Two-Dimensional Large Single-Crystal InSe for Flexible Broadband Photodetectors. <i>Research</i> , 2019 , 2019, 2763704	7.8	10
17	Half-Magnetic Topological Insulator with Magnetization-Induced Dirac Gap at a Selected Surface. <i>Physical Review X</i> , 2021 , 11,	9.1	10
16	Controlled one step thinning and doping of two-dimensional transition metal dichalcogenides. <i>Science China Materials</i> , 2019 , 62, 1837-1845	7.1	9
15	Three-Dimensional Spirals of Conjugated Block Copolymers Driven by Screw Dislocation. <i>Macromolecules</i> , 2020 , 53, 3217-3223	5.5	9
14	Raman spectra and dimensional effect on the charge density wave transition in GdTe ₃ . <i>Applied Physics Letters</i> , 2019 , 115, 151905	3.4	8
13	Pressure-Tuned Intralayer Exchange in Superlattice-Like MnBiTe/(BiTe) Topological Insulators. <i>Nano Letters</i> , 2021 , 21, 5874-5880	11.5	8
12	Nonvolatile ferroelectric domain wall memory embedded in complex topological domain structure.. <i>Advanced Materials</i> , 2022 , e2107711	24	7
11	Graphoepitaxy of Large Scale, Highly Ordered CsPbBr ₃ Nanowire Array on Muscovite Mica (001) Driven by Surface Reconstructed Grooves. <i>Advanced Optical Materials</i> , 2020 , 8, 2000743	8.1	7
10	Realization of a tunable surface Dirac gap in Sb-doped MnBi ₂ Te ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	7
9	Analytical solution for the surface states of the antiferromagnetic topological insulator MnBi ₂ Te ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	6

8	Electrical Contact Barriers between a Three-Dimensional Metal and Layered SnS. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15830-15836	9.5	5
7	Confined van der Waals Epitaxial Growth of Two-Dimensional Large Single-Crystal In ₂ Se ₃ for Flexible Broadband Photodetectors. <i>Research</i> , 2019 , 2019, 1-10	7.8	5
6	Using nonlocal surface transport to identify the axion insulator. <i>Physical Review B</i> , 2021 , 103,	3.3	5
5	Flux Tunable Superconducting Quantum Circuit Based on Weyl Semimetal MoTe. <i>Nano Letters</i> , 2020 , 20, 8469-8475	11.5	4
4	Sugar transfer of nanomaterials and flexible electrodes. <i>International Journal of Smart and Nano Materials</i> , 2020 , 11, 1-10	3.6	3
3	Towards intrinsically pure graphene grown on copper. <i>Nano Research</i> , 1	10	3
2	Graphene/SnS van der Waals Photodetector with High Photoresponsivity and High Photodetectivity for Broadband 365-2240 nm Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47198-47207	9.5	3
1	Self-Intercalation Tunable Interlayer Exchange Coupling in a Synthetic van der Waals Antiferromagnet. <i>Advanced Functional Materials</i> , 2202977	15.6	2