

Shuigang Xu

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.

35
papers

1,684
citations

21
h-index

37
g-index

37
ext. papers

2,235
ext. citations

13.8
avg, IF

4.38
L-index

#	Paper	IF	Citations
35	High-quality sandwiched black phosphorus heterostructure and its quantum oscillations. <i>Nature Communications</i> , 2015 , 6, 7315	17.4	369
34	Achieving Ultrahigh Carrier Mobility in Two-Dimensional Hole Gas of Black Phosphorus. <i>Nano Letters</i> , 2016 , 16, 7768-7773	11.5	185
33	Oxygen-assisted charge transfer between ZnO quantum dots and graphene. <i>Small</i> , 2013 , 9, 3031-6	11	154
32	Resonant terahertz detection using graphene plasmons. <i>Nature Communications</i> , 2018 , 9, 5392	17.4	129
31	Measuring Hall viscosity of graphene's electron fluid. <i>Science</i> , 2019 , 364, 162-165	33.3	97
30	Isolation and Characterization of Few-Layer Manganese Thiophosphate. <i>ACS Nano</i> , 2017 , 11, 11330-11336	6.7	70
29	Even-odd layer-dependent magnetotransport of high-mobility Q-valley electrons in transition metal disulfides. <i>Nature Communications</i> , 2016 , 7, 12955	17.4	64
28	Piezotronic effects on the optical properties of ZnO nanowires. <i>Nano Letters</i> , 2012 , 12, 5802-7	11.5	63
27	Intrinsic valley Hall transport in atomically thin MoS ₂ . <i>Nature Communications</i> , 2019 , 10, 611	17.4	46
26	Micromagnetometry of two-dimensional ferromagnets. <i>Nature Electronics</i> , 2019 , 2, 457-463	28.4	46
25	van der Waals epitaxial growth of atomically thin Bi ₂ Se ₃ and thickness-dependent topological phase transition. <i>Nano Letters</i> , 2015 , 15, 2645-51	11.5	45
24	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. <i>Nature Communications</i> , 2019 , 10, 4008	17.4	36
23	Composite super-moiré lattices in double-aligned graphene heterostructures. <i>Science Advances</i> , 2019 , 5, eaay8897	14.3	36
22	Layer-engineered large-area exfoliation of graphene. <i>Science Advances</i> , 2020 , 6,	14.3	33
21	Tunable van Hove singularities and correlated states in twisted monolayer-bilayer graphene. <i>Nature Physics</i> , 2021 , 17, 619-626	16.2	33
20	Electronic phase separation in multilayer rhombohedral graphite. <i>Nature</i> , 2020 , 584, 210-214	50.4	31
19	Stacking Order in Graphite Films Controlled by van der Waals Technology. <i>Nano Letters</i> , 2019 , 19, 8526-8532	15.3	26

18	Tunnel field-effect transistors for sensitive terahertz detection. <i>Nature Communications</i> , 2021 , 12, 543	17.4	24
17	Graphene Thermal Emitter with Enhanced Joule Heating and Localized Light Emission in Air. <i>ACS Photonics</i> , 2019 , 6, 2117-2125	6.3	23
16	In situ manipulation of van der Waals heterostructures for twistrionics. <i>Science Advances</i> , 2020 , 6,	14.3	23
15	Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked MoS. <i>Nano Letters</i> , 2019 , 19, 1736-1742	11.5	21
14	Directly Metering Light Absorption and Heat Transfer in Single Nanowires Using Metal-Insulator Transition in VO ₂ . <i>Advanced Optical Materials</i> , 2015 , 3, 336-341	8.1	20
13	A fast transfer-free synthesis of high-quality monolayer graphene on insulating substrates by a simple rapid thermal treatment. <i>Nanoscale</i> , 2016 , 8, 2594-600	7.7	17
12	Control of electron-electron interaction in graphene by proximity screenings. <i>Nature Communications</i> , 2020 , 11, 2339	17.4	17
11	Nitrogen deep accepters in ZnO nanowires induced by ammonia plasma. <i>Applied Physics Letters</i> , 2011 , 99, 143112	3.4	16
10	Hierarchical ZnO nanostructures with blooming flowers driven by screw dislocations. <i>Scientific Reports</i> , 2015 , 5, 8226	4.9	13
9	Tuning the optical and electrical properties of hydrothermally grown ZnO nanowires by sealed post annealing treatment. <i>Solid State Communications</i> , 2013 , 160, 41-46	1.6	10
8	Minibands in twisted bilayer graphene probed by magnetic focusing. <i>Science Advances</i> , 2020 , 6, eaay7838	4.3	8
7	Annealing temperature effects on ferromagnetism and structure of Si _{1-x} Mnx films prepared by magnetron sputtering. <i>Vacuum</i> , 2012 , 86, 1358-1362	3.7	4
6	Luminescence enhancement of ZnO-core/a-SiN(x):H-shell nanorod arrays. <i>Optics Express</i> , 2013 , 21, 5891-5	6.3	4
5	Effective control of photoluminescence from ZnO nanowires by a-SiNx:H decoration. <i>Optics Letters</i> , 2012 , 37, 211-3	3	3
4	Charge density wave phase transition on the surface of electrostatically doped multilayer graphene. <i>Applied Physics Letters</i> , 2016 , 109, 183107	3.4	3
3	Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. <i>Journal of Applied Physics</i> , 2018 , 123, 244302	2.5	2
2	Out-of-equilibrium criticalities in graphene superlattices.. <i>Science</i> , 2022 , 375, 430-433	33.3	1
1	Charge Transfer: Oxygen-Assisted Charge Transfer Between ZnO Quantum Dots and Graphene (Small 18/2013). <i>Small</i> , 2013 , 9, 3030-3030	11	

