

Jun Yan

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.

32
papers

2,843
citations

22
h-index

38
g-index

38
ext. papers

3,225
ext. citations

9.6
avg, IF

5.11
L-index

#	Paper	IF	Citations
32	Electric field effect tuning of electron-phonon coupling in graphene. <i>Physical Review Letters</i> , 2007 , 98, 166802	7.4	872
31	Sensitive room-temperature terahertz detection via the photothermoelectric effect in graphene. <i>Nature Nanotechnology</i> , 2014 , 9, 814-9	28.7	351
30	Dual-gated bilayer graphene hot-electron bolometer. <i>Nature Nanotechnology</i> , 2012 , 7, 472-8	28.7	335
29	Helicity-resolved Raman scattering of MoS ₂ /MoSe ₂ /WS ₂ and WSe ₂ atomic layers. <i>Nano Letters</i> , 2015 , 15, 2526-32	11.5	186
28	Observation of anomalous phonon softening in bilayer graphene. <i>Physical Review Letters</i> , 2008 , 101, 136804	7.4	147
27	Correlated charged impurity scattering in graphene. <i>Physical Review Letters</i> , 2011 , 107, 206601	7.4	110
26	Antenna Enhanced Graphene THz Emitter and Detector. <i>Nano Letters</i> , 2015 , 15, 5295-301	11.5	107
25	Coulomb-bound four- and five-particle intervalley states in an atomically-thin semiconductor. <i>Nature Communications</i> , 2018 , 9, 3717	17.4	84
24	Activation of New Raman Modes by Inversion Symmetry Breaking in Type II Weyl Semimetal Candidate T ₂ MoTe ₂ . <i>Nano Letters</i> , 2016 , 16, 5852-60	11.5	77
23	Optical phonon mixing in bilayer graphene with a broken inversion symmetry. <i>Physical Review B</i> , 2009 , 80,	3.3	70
22	Charge transport in dual gated bilayer graphene with Corbino geometry. <i>Nano Letters</i> , 2010 , 10, 4521-5	11.5	64
21	Rapid collapse of spin waves in nonuniform phases of the second Landau level. <i>Physical Review Letters</i> , 2011 , 106, 196805	7.4	44
20	Observation of magnetophonon resonance of Dirac fermions in graphite. <i>Physical Review Letters</i> , 2010 , 105, 227401	7.4	43
19	Raman scattering and tunable electron-phonon coupling in single layer graphene. <i>Solid State Communications</i> , 2007 , 143, 39-43	1.6	37
18	Raman scattering and anomalous Stokes-anti-Stokes ratio in MoTe ₂ atomic layers. <i>Scientific Reports</i> , 2016 , 6, 28024	4.9	35
17	Photothermal response in dual-gated bilayer graphene. <i>Physical Review Letters</i> , 2013 , 110, 247402	7.4	32
16	Edge-state transport in graphene p-n junctions in the quantum Hall regime. <i>Physical Review B</i> , 2015 , 92,	3.3	30

15	Multilayer graphene films grown by molecular beam deposition. <i>Solid State Communications</i> , 2010 , 150, 809-811	1.6	30
14	Soft spin wave near $\nu=1$: evidence for a magnetic instability in Skyrmion systems. <i>Physical Review Letters</i> , 2008 , 100, 086806	7.4	30
13	Superior Valley Polarization and Coherence of 2s Excitons in Monolayer WSe ₂ . <i>Physical Review Letters</i> , 2018 , 120, 046402	7.4	26
12	Intrinsic Phonon Bands in High-Quality Monolayer T ₂ Molybdenum Ditelluride. <i>ACS Nano</i> , 2017 , 11, 814-820	20.7	24
11	Luminescent Emission of Excited Rydberg Excitons from Monolayer WSe. <i>Nano Letters</i> , 2019 , 19, 2464-2471	11.5	24
10	The range of non-Kitaev terms and fractional particles in $\mathbb{R}uCl_3$. <i>Npj Quantum Materials</i> , 2020 , 5,	5	19
9	Raman spectroscopy of magneto-phonon resonances in graphene and graphite. <i>Solid State Communications</i> , 2012 , 152, 1289-1293	1.6	19
8	Ground and excited state exciton polarons in monolayer MoSe. <i>Journal of Chemical Physics</i> , 2020 , 153, 071101	3.9	10
7	Asymmetric Two-Terminal Graphene Detector for Broadband Radiofrequency Heterodyne- and Self-Mixing. <i>Nano Letters</i> , 2018 , 18, 3516-3522	11.5	9
6	Pulsed Near-IR Photoresponse in a Bi-metal Contacted Graphene Photodetector. <i>Scientific Reports</i> , 2015 , 5, 14803	4.9	6
5	Up- and Down-Conversion between Intra- and Intervalley Excitons in Waveguide Coupled Monolayer WSe. <i>ACS Nano</i> , 2020 , 14, 10503-10509	16.7	6
4	Excited-state trions in two-dimensional materials. <i>Physical Review B</i> , 2020 , 101,	3.3	4
3	Probing the bright exciton state in twisted bilayer graphene via resonant Raman scattering. <i>Applied Physics Letters</i> , 2021 , 119, 013103	3.4	4
2	The Spin Excitation Spectrum in Quantum Hall Systems: Insights from Light Scattering Experiments. <i>International Journal of Modern Physics B</i> , 2007 , 21, 1209-1218	1.1	3
1	Enhancement of exciton valley polarization in monolayer MoS ₂ induced by scattering. <i>Physical Review B</i> , 2021 , 104,	3.3	3