

Jun Yan

List of Publications by Year in descending order

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37
papers

3,561
citations

257101

24
h-index

360668

35
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38
all docs

38
docs citations

38
times ranked

5747
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric Field Effect Tuning of Electron-Phonon Coupling in Graphene. <i>Physical Review Letters</i> , 2007, 98, 166802.	2.9	996
2	Sensitive room-temperature terahertz detection via the photothermoelectric effect in graphene. <i>Nature Nanotechnology</i> , 2014, 9, 814-819.	15.6	474
3	Dual-gated bilayer graphene hot-electron bolometer. <i>Nature Nanotechnology</i> , 2012, 7, 472-478.	15.6	409
4	Helicity-Resolved Raman Scattering of MoS ₂ , MoSe ₂ , WS ₂ , and WSe ₂ Atomic Layers. <i>Nano Letters</i> , 2015, 15, 2526-2532.	4.5	241
5	Observation of Anomalous Phonon Softening in Bilayer Graphene. <i>Physical Review Letters</i> , 2008, 101, 136804.	2.9	160
6	Correlated Charged Impurity Scattering in Graphene. <i>Physical Review Letters</i> , 2011, 107, 206601.	2.9	142
7	Antenna Enhanced Graphene THz Emitter and Detector. <i>Nano Letters</i> , 2015, 15, 5295-5301.	4.5	138
8	Coulomb-bound four- and five-particle intervalley states in an atomically-thin semiconductor. <i>Nature Communications</i> , 2018, 9, 3717.	5.8	127
9	Activation of New Raman Modes by Inversion Symmetry Breaking in Type II Weyl Semimetal Candidate <i>Te²-MoTe₂</i> . <i>Nano Letters</i> , 2016, 16, 5852-5860.	4.5	102
10	Charge Transport in Dual Gated Bilayer Graphene with Corbino Geometry. <i>Nano Letters</i> , 2010, 10, 4521-4525.	4.5	76
11	Optical phonon mixing in bilayer graphene with a broken inversion symmetry. <i>Physical Review B</i> , 2009, 80, .	1.1	73
12	Luminescent Emission of Excited Rydberg Excitons from Monolayer WSe ₂ . <i>Nano Letters</i> , 2019, 19, 2464-2471.	4.5	51
13	Observation of Magnetophonon Resonance of Dirac Fermions in Graphite. <i>Physical Review Letters</i> , 2010, 105, 227401.	2.9	47
14	Rapid Collapse of Spin Waves in Nonuniform Phases of the Second Landau Level. <i>Physical Review Letters</i> , 2011, 106, 196805.	2.9	46
15	Raman scattering and tunable electron-phonon coupling in single layer graphene. <i>Solid State Communications</i> , 2007, 143, 39-43.	0.9	43
16	Photothermal Response in Dual-Gated Bilayer Graphene. <i>Physical Review Letters</i> , 2013, 110, 247402.	2.9	41
17	Raman scattering and anomalous Stokes-anti-Stokes ratio in MoTe ₂ atomic layers. <i>Scientific Reports</i> , 2016, 6, 28024.	1.6	41
18	The range of non-Kitaev terms and fractional particles in $\hat{I}\pm$ -RuCl ₃ . <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	38

#	ARTICLE	IF	CITATIONS
19	Intrinsic Phonon Bands in High-Quality Monolayer MoS_2 Molybdenum Ditelluride. ACS Nano, 2017, 11, 814-820.	7.3	37
20	Soft Spin Wave near $\Gamma_{1/2}$: Evidence for a Magnetic Instability in Skyrmion Systems. Physical Review Letters, 2008, 100, 086806.	2.9	36
21	Multilayer graphene films grown by molecular beam deposition. Solid State Communications, 2010, 150, 809-811.	0.9	35
22	Edge-state transport in graphene in the quantum Hall regime. Physical Review B, 2015, 92, .	1.1	34
23	Excitons in Monolayer WSe_2 . Physical Review Letters, 2018, 120, 046402.	2.9	31
24	Ground and excited state exciton polarons in monolayer MoSe_2 . Journal of Chemical Physics, 2020, 153, 071101.	1.2	30
25	Raman spectroscopy of magneto-phonon resonances in graphene and graphite. Solid State Communications, 2012, 152, 1289-1293.	0.9	22
26	Up- and Down-Conversion between Intra- and Intervalley Excitons in Waveguide Coupled Monolayer WSe_2 . ACS Nano, 2020, 14, 10503-10509.	7.3	14
27	Axial Higgs mode detected by quantum pathway interference in RTe_3 . Nature, 2022, 606, 896-901.	13.7	14
28	Asymmetric Two-Terminal Graphene Detector for Broadband Radiofrequency Heterodyne- and Self-Mixing. Nano Letters, 2018, 18, 3516-3522.	4.5	12
29	Enhancement of exciton valley polarization in monolayer MoS_2 induced by scattering. Physical Review B, 2021, 104, .	1.1	12
30	Excited-state trions in two-dimensional materials. Physical Review B, 2020, 101, .	1.1	10
31	Pulsed Near-IR Photoresponse in a Bi-metal Contacted Graphene Photodetector. Scientific Reports, 2015, 5, 14803.	1.6	7
32	Probing the bright exciton state in twisted bilayer graphene via resonant Raman scattering. Applied Physics Letters, 2021, 119, .	1.5	7
33	Negative valley polarization in doped monolayer MoSe_2 . Physical Chemistry Chemical Physics, 2021, 24, 191-196.	1.3	6
34	Observation of Ultrastrong Coupling between Substrate and the Magnetic Topological Insulator MnBi_2Te_4 . Nano Letters, 2022, 22, 3856-3864.	4.5	6
35	The Spin Excitation Spectrum in Quantum Hall Systems: Insights from Light Scattering Experiments. International Journal of Modern Physics B, 2007, 21, 1209-1218.	1.0	3
36	THz radiation from SWCNTs, graphene and metallic thin films: A comparative study. , 2014, , .		0

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37	Characterization of Fast Temporal Photoreponse in a Broadband Graphene Photodetector. , 2014, , .		0