

Jun Yan

List of Publications by Year in descending order

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37

papers

3,561

citations

257450

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361022

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docs citations

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times ranked

5747

citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Ultrastrong Coupling between Substrate and the Magnetic Topological Insulator MnBi ₂ Te ₄ . <i>Nano Letters</i> , 2022, 22, 3856-3864.	9.1	6
2	Axial Higgs mode detected by quantum pathway interference in RTe3. <i>Nature</i> , 2022, 606, 896-901.	27.8	14
3	Probing the bright exciton state in twisted bilayer graphene via resonant Raman scattering. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	7
4	Enhancement of exciton valley polarization in monolayer MoS ₂ induced by scattering. <i>Physical Review B</i> , 2021, 104, .	3.2	12
5	Negative valley polarization in doped monolayer MoSe ₂ . <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 191-196.	2.8	6
6	Up- and Down-Conversion between Intra- and Intervalley Excitons in Waveguide Coupled Monolayer WSe ₂ . <i>ACS Nano</i> , 2020, 14, 10503-10509.	14.6	14
7	Ground and excited state exciton polarons in monolayer MoSe ₂ . <i>Journal of Chemical Physics</i> , 2020, 153, 071101.	3.0	30
8	Excited-state trions in two-dimensional materials. <i>Physical Review B</i> , 2020, 101, .	3.2	10
9	The range of non-Kitaev terms and fractional particles in \pm -RuCl ₃ . <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	38
10	Luminescent Emission of Excited Rydberg Excitons from Monolayer WSe ₂ . <i>Nano Letters</i> , 2019, 19, 2464-2471. Superior Valley Polarization and Coherence of \pm -Rydberg Excitons in Monolayer WSe ₂ . <i>Physical Review Letters</i> , 2018, 120, 046402.	9.1	51
11	Excitons in Monolayer WSe ₂ . <i>Physical Review Letters</i> , 2018, 120, 046402.	7.8	31
12	Coulomb-bound four- and five-particle intervalley states in an atomically-thin semiconductor. <i>Nature Communications</i> , 2018, 9, 3717.	12.8	127
13	Asymmetric Two-Terminal Graphene Detector for Broadband Radiofrequency Heterodyne- and Self-Mixing. <i>Nano Letters</i> , 2018, 18, 3516-3522.	9.1	12
14	Intrinsic Phonon Bands in High-Quality Monolayer T Molybdenum Ditelluride. <i>ACS Nano</i> , 2017, 11, 814-820.	14.6	37
15	Raman scattering and anomalous Stokes-anti-Stokes ratio in MoTe ₂ atomic layers. <i>Scientific Reports</i> , 2016, 6, 28024.	3.3	41
16	Activation of New Raman Modes by Inversion Symmetry Breaking in Type II Weyl Semimetal Candidate T -MoTe ₂ . <i>Nano Letters</i> , 2016, 16, 5852-5860.	9.1	102
17	Edge-state transport in graphene. <i>Physical Review B</i> , 2015, 92, .	3.3	21
18	Pulsed Near-IR Photoresponse in a Bi-metal Contacted Graphene Photodetector. <i>Scientific Reports</i> , 2015, 5, 14803.	3.3	7

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19	Helicity-Resolved Raman Scattering of MoS ₂ , MoSe ₂ , WS ₂ , and WSe ₂ Atomic Layers. <i>Nano Letters</i> , 2015, 15, 2526-2532.	9.1	241
20	Antenna Enhanced Graphene THz Emitter and Detector. <i>Nano Letters</i> , 2015, 15, 5295-5301.	9.1	138
21	THz radiation from SWCNTs, graphene and metallic thin films: A comparative study. , 2014, , .	0	
22	Characterization of Fast Temporal Photoreponse in a Broadband Graphene Photodetector. , 2014, , .	0	
23	Sensitive room-temperature terahertz detection via the photothermoelectric effect in graphene. <i>Nature Nanotechnology</i> , 2014, 9, 814-819.	31.5	474
24	Photothermal Response in Dual-Gated Bilayer Graphene. <i>Physical Review Letters</i> , 2013, 110, 247402.	7.8	41
25	Raman spectroscopy of magneto-phonon resonances in graphene and graphite. <i>Solid State Communications</i> , 2012, 152, 1289-1293.	1.9	22
26	Dual-gated bilayer graphene hot-electron bolometer. <i>Nature Nanotechnology</i> , 2012, 7, 472-478.	31.5	409
27	Correlated Charged Impurity Scattering in Graphene. <i>Physical Review Letters</i> , 2011, 107, 206601.	7.8	142
28	Rapid Collapse of Spin Waves in Nonuniform Phases of the Second Landau Level. <i>Physical Review Letters</i> , 2011, 106, 196805.	7.8	46
29	Multilayer graphene films grown by molecular beam deposition. <i>Solid State Communications</i> , 2010, 150, 809-811.	1.9	35
30	Observation of Magnetophonon Resonance of Dirac Fermions in Graphite. <i>Physical Review Letters</i> , 2010, 105, 227401.	7.8	47
31	Charge Transport in Dual Gated Bilayer Graphene with Corbino Geometry. <i>Nano Letters</i> , 2010, 10, 4521-4525.	9.1	76
32	Optical phonon mixing in bilayer graphene with a broken inversion symmetry. <i>Physical Review B</i> , 2009, 80, .	3.2	73
33	Observation of Anomalous Phonon Softening in Bilayer Graphene. <i>Physical Review Letters</i> , 2008, 101, 136804.	7.8	160
34	Soft Spin Wave near $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \hat{1}/2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} = \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle : \text{Evidence for a Magnetic Instability in Skyrmion Systems. Physical Review Letters}$, 2008, 100, 086806.	7.8	36
35	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.	2.0	3
36	Electric Field Effect Tuning of Electron-Phonon Coupling in Graphene. <i>Physical Review Letters</i> , 2007, 98, 166802.	7.8	996

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IF CITATIONS

- 37 Raman scattering and tunable electron-phonon coupling in single layer graphene. Solid State Communications, 2007, 143, 39-43. 1.9 43