

# Xue-Lu Liu

## List of Publications by Year in descending order

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45  
papers

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citations

361413

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377865

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Donor-Acceptor Pair Quantum Emitters in Hexagonal Boron Nitride. <i>Nano Letters</i> , 2022, 22, 1331-1337.	9.1	17
2	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. <i>Nano Letters</i> , 2022, 22, 1233-1241.	9.1	21
3	Magneto-Raman Study of Magnon-Phonon Coupling in Two-Dimensional Ising Antiferromagnetic FePS <sub>3</sub> . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1533-1539.	4.6	15
4	Zenith-angle resolved polarized Raman spectroscopy of graphene. <i>Carbon</i> , 2022, 191, 471-476.	10.3	1
5	Phonon and Exciton Properties between WS <sub>2</sub> and MoS <sub>2</sub> Layers via Inversion Heterostructure Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19012-19022.	8.0	1
6	Charge State Manipulation of NV Centers in Diamond under Phonon-Assisted Anti-Stokes Excitation of NV <sup>0</sup> . <i>ACS Photonics</i> , 2022, 9, 1605-1613.	6.6	6
7	Intralayer Phonons in Multilayer Graphene Moiré Superlattices. <i>Research</i> , 2022, 2022, .	5.7	4
8	Breakdown of Raman selection rules by Fröhlich interaction in few-layer WS <sub>2</sub> . <i>Nano Research</i> , 2021, 14, 239-244.	10.4	15
9	Optical identification of interlayer coupling of graphene/MoS <sub>2</sub> van der Waals heterostructures. <i>Nano Research</i> , 2021, 14, 2241.	10.4	14
10	Twist angle dependent absorption feature induced by interlayer rotations in CVD bilayer graphene. <i>Nanophotonics</i> , 2021, 10, 2695-2703.	6.0	1
11	Measuring bulk and surface acoustic modes in diamond by angle-resolved Brillouin spectroscopy. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	5
12	Signal-to-noise ratio of Raman signal measured by multichannel detectors*. <i>Chinese Physics B</i> , 2021, 30, 097807.	1.4	5
13	A tunable Raman system based on ultrafast laser for Raman excitation profile measurement. <i>Review of Scientific Instruments</i> , 2021, 92, 123904.	1.3	1
14	Understanding angle-resolved polarized Raman scattering from black phosphorus at normal and oblique laser incidences. <i>Science Bulletin</i> , 2020, 65, 1894-1900.	9.0	24
15	Observation of nonreciprocal magnetophonon effect in nonencapsulated few-layered CrI <sub>3</sub> . <i>Science Advances</i> , 2020, 6, .	10.3	37
16	Fabrication of thermally reduced graphene micro-tube and its electronic transport properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 122, 114169.	2.7	5
17	Application of Raman spectroscopy to probe fundamental properties of two-dimensional materials. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	7.9	74
18	Resonant Multi-phonon Raman scattering of black phosphorus. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 167803.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Highly conductive, flexible and functional multi-channel graphene microtube fabricated by electrospray deposition technique. Journal of Materials Science, 2019, 54, 14378-14387.	3.7	7
20	Unraveling the Defect Emission and Exciton-Lattice Interaction in Bilayer WS <sub>2</sub> . Journal of Physical Chemistry C, 2019, 123, 4433-4440.	3.1	14
21	Optical and electrical properties of two-dimensional anisotropic materials. Journal of Semiconductors, 2019, 40, 061001.	3.7	65
22	Cross-dimensional electron-phonon coupling in van der Waals heterostructures. Nature Communications, 2019, 10, 2419.	12.8	60
23	Probing the Magnetic Ordering of Antiferromagnetic MnPS <sub>3</sub> by Raman Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 3087-3093.	4.6	74
24	Probing the acoustic phonon dispersion and sound velocity of graphene by Raman spectroscopy. Carbon, 2019, 149, 19-24.	10.3	49
25	Highly Conductive Graphene Paper with Vertically Aligned Reduced Graphene Oxide Sheets Fabricated by Improved Electrospray Deposition Technique. ACS Applied Materials & Interfaces, 2019, 11, 10810-10817.	8.0	40
26	High Anisotropy in Tubular Layered Exfoliated KP <sub>15</sub> . ACS Nano, 2018, 12, 1712-1719.	14.6	24
27	The phonon confinement effect in two-dimensional nanocrystals of black phosphorus with anisotropic phonon dispersions. Nanoscale, 2018, 10, 8704-8711.	5.6	21
28	Probing the shear and layer breathing modes in multilayer graphene by Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 19-30.	2.5	31
29	Engineering the interface in mechanically responsive graphene-based films. RSC Advances, 2018, 8, 36257-36263.	3.6	13
30	Phonon-Assisted Photoluminescence Up-Conversion of Silicon-Vacancy Centers in Diamond. Journal of Physical Chemistry Letters, 2018, 9, 6656-6661.	4.6	21
31	Stokes and anti-Stokes Raman scattering in mono- and bilayer graphene. Nanoscale, 2018, 10, 16138-16144.	5.6	8
32	Spectral shape of one-photon luminescence from single gold nanorods. , 2018, , .		0
33	Anisotropic Spectroscopy and Electrical Properties of 2D ReS <sub>2</sub> (1 <i>l</i> - <i>x</i> / <i>i</i> <sub>x</sub> ) <sub>2</sub> Se <sub>2</sub> ( <i>i</i> <sub>x</sub> <i>x</i> / <i>i</i> ) Alloys with Distorted 1T Structure. Small, 2017, 13, 1603788.	10.0	70
34	Interfacial Interactions in van der Waals Heterostructures of MoS <sub>2</sub> and Graphene. ACS Nano, 2017, 11, 11714-11723.	14.6	92
35	Different angle-resolved polarization configurations of Raman spectroscopy: A case on the basal and edge plane of two-dimensional materials. Chinese Physics B, 2017, 26, 067802.	1.4	80
36	A tunable single-monochromator Raman system based on the supercontinuum laser and tunable filters for resonant Raman profile measurements. Review of Scientific Instruments, 2017, 88, 083114.	1.3	2

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37	Damage-free and rapid transfer of CVD-grown two-dimensional transition metal dichalcogenides by dissolving sacrificial water-soluble layers. <i>Nanoscale</i> , 2017, 9, 19124-19130.	5.6	27
38	A novel ultra-thin-walled ZnO microtube cavity supporting multiple optical modes for bluish-violet photoluminescence, low-threshold ultraviolet lasing and microfluidic photodegradation. <i>NPG Asia Materials</i> , 2017, 9, e442-e442.	7.9	33
39	Observation of forbidden phonons, Fano resonance and dark excitons by resonance Raman scattering in few-layer WS <sub>2</sub> . <i>2D Materials</i> , 2017, 4, 031007.	4.4	41
40	Spectral shape of one-photon luminescence from single gold nanorods. <i>AIP Advances</i> , 2017, 7, .	1.3	6
41	Filter-based ultralow-frequency Raman measurement down to 2 cm <sup>-1</sup> for fast Brillouin spectroscopy measurement. <i>Review of Scientific Instruments</i> , 2017, 88, 053110.	1.3	11
42	Dual-modulated photoreflectance spectra of semi-insulating GaAs. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2017, 66, 147801.	0.5	3
43	Hierarchical Graphene-Based Films with Dynamic Self-Stiffening for Biomimetic Artificial Muscle. <i>Advanced Functional Materials</i> , 2016, 26, 7003-7010.	14.9	53
44	Periodic oscillation in the reflection and photoluminescence spectra of suspended two-dimensional crystal flakes. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2016, 65, 136801.	0.5	0
45	Layer number identification of intrinsic and defective multilayered graphenes up to 100 layers by the Raman mode intensity from substrates. <i>Nanoscale</i> , 2015, 7, 8135-8141.	5.6	72