

Xue-Lu Liu

List of Publications by Year in descending order

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45
papers

1,165
citations

361413

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377865

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all docs

45
docs citations

45
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Interactions in van der Waals Heterostructures of MoS ₂ and Graphene. ACS Nano, 2017, 11, 11714-11723.	14.6	92
2	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
3	Probing the Magnetic Ordering of Antiferromagnetic MnPS ₃ by Raman Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 3087-3093.	4.6	74
4	Application of Raman spectroscopy to probe fundamental properties of two-dimensional materials. Npj 2D Materials and Applications, 2020, 4, .	7.9	74
5	Layer number identification of intrinsic and defective multilayered graphenes up to 100 layers by the Raman mode intensity from substrates. Nanoscale, 2015, 7, 8135-8141.	5.6	72
6	Anisotropic Spectroscopy and Electrical Properties of 2D ReS ₂ (1 <i>â€</i> _x <i>â€</i> _x <i>â€</i> _x <i>â€</i> _x) ₂ Se ₂ Alloys with Distorted 1T Structure. Small, 2017, 13, 1603788.	10.0	70
7	Optical and electrical properties of two-dimensional anisotropic materials. Journal of Semiconductors, 2019, 40, 061001.	3.7	65
8	Cross-dimensional electron-phonon coupling in van der Waals heterostructures. Nature Communications, 2019, 10, 2419.	12.8	60
9	Hierarchical Graphene-Based Films with Dynamic Self-Stiffening for Biomimetic Artificial Muscle. Advanced Functional Materials, 2016, 26, 7003-7010.	14.9	53
10	Probing the acoustic phonon dispersion and sound velocity of graphene by Raman spectroscopy. Carbon, 2019, 149, 19-24.	10.3	49
11	Observation of forbidden phonons, Fano resonance and dark excitons by resonance Raman scattering in few-layer WS ₂ . 2D Materials, 2017, 4, 031007.	4.4	41
12	Highly Conductive Graphene Paper with Vertically Aligned Reduced Graphene Oxide Sheets Fabricated by Improved Electro spray Deposition Technique. ACS Applied Materials & Interfaces, 2019, 11, 10810-10817.	8.0	40
13	Observation of nonreciprocal magnetophonon effect in nonencapsulated few-layered CrI ₃ . Science Advances, 2020, 6, .	10.3	37
14	A novel ultra-thin-walled ZnO microtube cavity supporting multiple optical modes for bluish-violet photoluminescence, low-threshold ultraviolet lasing and microfluidic photodegradation. NPG Asia Materials, 2017, 9, e442-e442.	7.9	33
15	Probing the shear and layer breathing modes in multilayer graphene by Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 19-30.	2.5	31
16	Damage-free and rapid transfer of CVD-grown two-dimensional transition metal dichalcogenides by dissolving sacrificial water-soluble layers. Nanoscale, 2017, 9, 19124-19130.	5.6	27
17	High Anisotropy in Tubular Layered Exfoliated KP ₁₅ . ACS Nano, 2018, 12, 1712-1719.	14.6	24
18	Understanding angle-resolved polarized Raman scattering from black phosphorus at normal and oblique laser incidences. Science Bulletin, 2020, 65, 1894-1900.	9.0	24

#	ARTICLE	IF	CITATIONS
19	The phonon confinement effect in two-dimensional nanocrystals of black phosphorus with anisotropic phonon dispersions. <i>Nanoscale</i> , 2018, 10, 8704-8711.	5.6	21
20	Phonon-Assisted Photoluminescence Up-Conversion of Silicon-Vacancy Centers in Diamond. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6656-6661.	4.6	21
21	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. <i>Nano Letters</i> , 2022, 22, 1233-1241.	9.1	21
22	Donor-Acceptor Pair Quantum Emitters in Hexagonal Boron Nitride. <i>Nano Letters</i> , 2022, 22, 1331-1337.	9.1	17
23	Breakdown of Raman selection rules by Fröhlich interaction in few-layer WS ₂ . <i>Nano Research</i> , 2021, 14, 239-244.	10.4	15
24	Magneto-Raman Study of Magnon-Phonon Coupling in Two-Dimensional Ising Antiferromagnetic FePS ₃ . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1533-1539.	4.6	15
25	Unraveling the Defect Emission and Exciton-Lattice Interaction in Bilayer WS ₂ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 4433-4440.	3.1	14
26	Optical identification of interlayer coupling of graphene/MoS ₂ van der Waals heterostructures. <i>Nano Research</i> , 2021, 14, 2241.	10.4	14
27	Engineering the interface in mechanically responsive graphene-based films. <i>RSC Advances</i> , 2018, 8, 36257-36263.	3.6	13
28	Filter-based ultralow-frequency Raman measurement down to 2 cm ⁻¹ for fast Brillouin spectroscopy measurement. <i>Review of Scientific Instruments</i> , 2017, 88, 053110.	1.3	11
29	Stokes and anti-Stokes Raman scattering in mono- and bilayer graphene. <i>Nanoscale</i> , 2018, 10, 16138-16144.	5.6	8
30	Highly conductive, flexible and functional multi-channel graphene microtube fabricated by electrospray deposition technique. <i>Journal of Materials Science</i> , 2019, 54, 14378-14387.	3.7	7
31	Spectral shape of one-photon luminescence from single gold nanorods. <i>AIP Advances</i> , 2017, 7, .	1.3	6
32	Charge State Manipulation of NV Centers in Diamond under Phonon-Assisted Anti-Stokes Excitation of NV ⁰ . <i>ACS Photonics</i> , 2022, 9, 1605-1613.	6.6	6
33	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
34	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
35	Signal-to-noise ratio of Raman signal measured by multichannel detectors*. <i>Chinese Physics B</i> , 2021, 30, 097807.	1.4	5
36	Intralayer Phonons in Multilayer Graphene Moiré Superlattices. <i>Research</i> , 2022, 2022, .	5.7	4

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37	Dual-modulated photoreflectance spectra of semi-insulating GaAs. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 147801.	0.5	3
38	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
39	Resonant Multi-phonon Raman scattering of black phosphorus. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 167803.	0.5	2
40	Twist angle dependent absorption feature induced by interlayer rotations in CVD bilayer graphene. Nanophotonics, 2021, 10, 2695-2703.	6.0	1
41	Zenith-angle resolved polarized Raman spectroscopy of graphene. Carbon, 2022, 191, 471-476.	10.3	1
42	A tunable Raman system based on ultrafast laser for Raman excitation profile measurement. Review of Scientific Instruments, 2021, 92, 123904.	1.3	1
43	Phonon and Exciton Properties between WS ₂ and MoS ₂ Layers via Inversion Heterostructure Engineering. ACS Applied Materials & Interfaces, 2022, 14, 19012-19022.	8.0	1
44	Periodic oscillation in the reflection and photoluminescence spectra of suspended two-dimensional crystal flakes. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 136801.	0.5	0
45	Spectral shape of one-photon luminescence from single gold nanorods. , 2018, , .		0