

Shun Wang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Polydiacetylene-based ultrastrong bioorthogonal Raman probes for targeted live-cell Raman imaging. Nature Communications, 2020, 11, 81.	12.8	87
2	An Ultrafast WSe ₂ Photodiode Based on a Lateral p-i-n Homojunction. ACS Nano, 2021, 15, 4405-4415.	14.6	67
3	Discovery of a Novel Smectic-C* Liquid-Crystals Phase with Six-Layer Periodicity. Physical Review Letters, 2010, 104, 027801.		64
4	Submillimeter-Scale Monolayer Type H Phase VS ₂ . Advanced Functional Materials, 2020, 30, 2000240.	14.9	64
5	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet NaYbSe ₂ . Physical Review X, 2021, 11, .	8.9	42
6	2D Hybrid Superlattice-Based On-Chip Electrochemical Microdevice for <i>In Situ</i> Revealing Enhanced Catalytic Activity. ACS Nano, 2020, 14, 1635-1644.	14.6	36
7	Lithium ion intercalation in thin crystals of hexagonal TaSe ₂ gated by a polymer electrolyte. Applied Physics Letters, 2018, 112, 023502.	3.3	16
8	Magnetically inhomogeneous ground state below the first-order valence transition in Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 . Physical Review B, 2014, 89, .	3.2	15
9	Thickness-Dependent Enhancement of Electronic Mobility of MoS ₂ Transistors via Surface Functionalization. Journal of Physical Chemistry C, 2020, 124, 16943-16950.	3.1	15
10	Effects of doping on an unusual smectic-C* liquid crystal mesophases beyond commensurate four-layer periodicity. Liquid Crystals Reviews, 2015, 3, 58-78.	2.1	14
11	Existence of electron and hole pockets and partial gap opening in the correlated semimetal Ca ₃ Ru ₂ O ₇ . Physical Review E, 2008, 77, 061704.	4.1	14
12	High-quality bilayer graphene grown on softened copper foils by atmospheric pressure chemical vapor deposition. Science China Materials, 2020, 63, 1973-1982.	3.2	14
13	Recovery of a reversed phase sequence in one ternary liquid-crystal-mixture system. Physical Review E, 2009, 79, 021706.	2.1	10
14	Thickness Dependent Phase Behavior of Antiferroelectric Liquid Crystal Films. Physical Review Letters, 2009, 103, 187802.	7.8	10
15	Probing the intrinsic charge transport in indacenodithiophene-co-benzothiadiazole thin films. AIP Advances, 2017, 7, .	1.3	9
16	Study of Charge Transfer at the Quantum Dot-Graphene Interface by Raman Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 24943-24948.	3.1	9
17	Layer thinning transition in an achiral four-ring hockey stick shaped liquid crystal. Phase Transitions, 2012, 85, 1070-1078.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Effect of stoichiometry on the superconducting transition temperature in single crystalline 2H-NbS ₂ . Physica C: Superconductivity and Its Applications, 2017, 538, 27-31.	1.2	8
20	Measurements of Magnetic Properties of Kilogram-Level Test Masses for Gravitational-Wave Detection Using a Torsion Pendulum. Physical Review Applied, 2021, 15, .	3.8	8
21	PrBi: Topology meets quadrupolar degrees of freedom. Physical Review B, 2020, 101, .	3.2	7
22	Tunable Performance of Quantum Dot-MoS ₂ Hybrid Photodetectors via Interface Engineering. ACS Applied Materials & Interfaces, 2021, 13, 59411-59421.	8.0	7
23	Continuously Multiplexed Ultrastrong Raman Probes by Precise Isotopic Polymer Backbone Doping for Multidimensional Information Storage and Encryption. Nano Letters, 2022, 22, 4544-4551.	9.1	7
24	Optical Phonon Behaviors of Photocharged Nanocrystals: Effects of Free Charge Carriers. Journal of Physical Chemistry Letters, 2018, 9, 5055-5062.	4.6	6
25	Band dependence of charge density wave in quasi-one-dimensional Ta ₂ NiSe ₇ probed by orbital magnetoresistance. Applied Physics Letters, 2017, 111, .	3.3	5
26	Tailoring the Fluorescent and Electronic Properties of 2H-MoS ₂ by Step-by-Step Functionalization. Journal of Physical Chemistry C, 2021, 125, 25739-25748.	3.1	5
27	Sustained and Controlled Release of Volatile Precursors for Chemical Vapor Deposition of Graphene at Atmospheric Pressure. Chemistry - A European Journal, 2020, 26, 7463-7469.	3.3	4
28	Local evidence for collective spin excitations in the distorted kagome antiferromagnet Pr ₃ BWO ₉ . Physical Review B, 2021, 104, .	3.2	4
29	Precision improvement of patch potential measurement in a scanning probe equipped torsion pendulum. Review of Scientific Instruments, 2022, 93, .	1.3	4
30	Discovery of Liquid Crystal Mesophases with a Six-Layer Periodicity. Molecular Crystals and Liquid Crystals, 2015, 610, 23-34.	0.9	2
31	Quantum transport in CVD graphene synthesized with liquid carbon precursor. Nanotechnology, 2022, 33, 355601.	2.6	2
32	Electronic mobility in the high-carrier-density limit of ion gel gated IDTBT thin film transistors. Chinese Physics B, 2015, 24, 098103.	1.4	0