

Shun Wang

List of Publications by Year in descending order

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times ranked

759
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum transport in CVD graphene synthesized with liquid carbon precursor. <i>Nanotechnology</i> , 2022, 33, 355601.	2.6	2
2	Continuously Multiplexed Ultrastrong Raman Probes by Precise Isotopic Polymer Backbone Doping for Multidimensional Information Storage and Encryption. <i>Nano Letters</i> , 2022, 22, 4544-4551.	9.1	7
3	Precision improvement of patch potential measurement in a scanning probe equipped torsion pendulum. <i>Review of Scientific Instruments</i> , 2022, 93, .	1.3	4
4	Measurements of Magnetic Properties of Kilogram-Level Test Masses for Gravitational-Wave Detection Using a Torsion Pendulum. <i>Physical Review Applied</i> , 2021, 15, .	3.8	8
5	An Ultrafast WSe ₂ Photodiode Based on a Lateral p-i-n Homojunction. <i>ACS Nano</i> , 2021, 15, 4405-4415.	14.6	67
6	Spinon Fermi Surface Spin Liquid in a Triangular Lattice Antiferromagnet NaYbSe_2 . <i>Physical Review X</i> , 2021, 11, .	8.9	42
7	Local evidence for collective spin excitations in the distorted kagome antiferromagnet Pr ₃ BWO ₉ . <i>Physical Review B</i> , 2021, 104, .	3.2	4
8	Tailoring the Fluorescent and Electronic Properties of 2H-MoS ₂ by Step-by-Step Functionalization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25739-25748.	3.1	5
9	Tunable Performance of Quantum Dot-MoS ₂ Hybrid Photodetectors via Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59411-59421.	8.0	7
10	Polydiacetylene-based ultrastrong bioorthogonal Raman probes for targeted live-cell Raman imaging. <i>Nature Communications</i> , 2020, 11, 81.	12.8	87
11	Thickness-Dependent Enhancement of Electronic Mobility of MoS ₂ Transistors via Surface Functionalization. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16943-16950.	3.1	15
12	High-quality bilayer graphene grown on softened copper foils by atmospheric pressure chemical vapor deposition. <i>Science China Materials</i> , 2020, 63, 1973-1982.	6.3	11
13	PrBi: Topology meets quadrupolar degrees of freedom. <i>Physical Review B</i> , 2020, 101, .	3.2	7
14	Sustained and Controlled Release of Volatile Precursors for Chemical Vapor Deposition of Graphene at Atmospheric Pressure. <i>Chemistry - A European Journal</i> , 2020, 26, 7463-7469.	3.3	4
15	Submillimeter-Scale Monolayer p-Type Phase VS ₂ . <i>Advanced Functional Materials</i> , 2020, 30, 2000240.	14.9	64
16	2D Hybrid Superlattice-Based On-Chip Electrocatalytic Microdevice for <i>In Situ</i> Revealing Enhanced Catalytic Activity. <i>ACS Nano</i> , 2020, 14, 1635-1644.	14.6	36
17	Study of Charge Transfer at the Quantum Dot-Graphene Interface by Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24943-24948.	3.1	9
18	Existence of electron and hole pockets and partial gap opening in the correlated semimetal $\text{Ca}_3\text{Ru}_2\text{O}_7$.	3.2	14

#	ARTICLE	IF	CITATIONS
19	Lithium ion intercalation in thin crystals of hexagonal TaSe ₂ gated by a polymer electrolyte. Applied Physics Letters, 2018, 112, 023502.	3.3	16
20	Optical Phonon Behaviors of Photocharged Nanocrystals: Effects of Free Charge Carriers. Journal of Physical Chemistry Letters, 2018, 9, 5055-5062.	4.6	6
21	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
22	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
23	Probing the intrinsic charge transport in indacenodithiophene-co-benzothiadiazole thin films. AIP Advances, 2017, 7, .	1.3	9
24	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
25	Liquid crystal mesophases beyond commensurate four-layer periodicity. Liquid Crystals Reviews, 2015, 3, 58-78.	4.1	14
26	Discovery of Liquid Crystal Mesophases with a Six-Layer Periodicity. Molecular Crystals and Liquid Crystals, 2015, 610, 23-34.	0.9	2
27	Magnetically inhomogeneous ground state below the first-order valence transition in $TjETQq110.784314rgBT/Overlo$ $mathvariant="normal">$. Physical Review B, 2014, 89, .	3.2	15
28	Layer thinning transition in an achiral four-ring hockey stick shaped liquid crystal. Phase Transitions, 2012, 85, 1070-1078.	1.3	8
29	Discovery of a Novel Smectic- C^* Liquid-Crystals Phase with Six-Layer Periodicity. Physical Review Letters, 2010, 104, 027801.		64
30	Recovery of a reversed phase sequence in one ternary liquid-crystal-mixture system. Physical Review E, 2009, 79, 021706.	2.1	10
31	Thickness Dependent Phase Behavior of Antiferroelectric Liquid Crystal Films. Physical Review Letters, 2009, 103, 187802.	7.8	10
32	Effects of doping on an unusual smectic- C^* $display="inline">$C^*_{\pm}$</math>display="inline">$C^*_{\pm}$</math>$	2.1	14