

Dafei Jin

List of Publications by Year in descending order

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623734

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all docs

29
docs citations

29
times ranked

1121
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional superconductivity and anisotropic transport at KTaO ₃ (111) interfaces. Science, 2021, 371, 716-721.	12.6	136
2	Infrared Topological Plasmons in Graphene. Physical Review Letters, 2017, 118, 245301.	7.8	132
3	Topological magnetoplasmon. Nature Communications, 2016, 7, 13486.	12.8	108
4	Tunable room-temperature ferromagnetism in Co-doped two-dimensional van der Waals ZnO. Nature Communications, 2021, 12, 3952.	12.8	54
5	Quantum-Spillover-Enhanced Surface-Plasmonic Absorption at the Interface of Silver and High-Index Dielectrics. Physical Review Letters, 2015, 115, 193901.	7.8	49
6	Terahertz plasmonics in ferroelectric-gated graphene. Applied Physics Letters, 2013, 102, .	3.3	44
7	Excited electron-bubble states in superfluid 4He: A time-dependent density functional approach. Journal of Chemical Physics, 2011, 134, 044507.	3.0	32
8	Spin-filter tunneling magnetoresistance in a magnetic tunnel junction. Physical Review B, 2006, 73, .	3.2	30
9	Halide perovskites enable polaritonic XY spin Hamiltonian at room temperature. Nature Materials, 2022, 21, 761-766.	27.5	28
10	Optical torque from enhanced scattering by multipolar plasmonic resonance. Nanophotonics, 2014, 3, 343-350.	6.0	26
11	Solution-Based, Template-Assisted Realization of Large-Scale Graphitic ZnO. ACS Nano, 2018, 12, 7554-7561.	14.6	23
12	Single electrons on solid neon as a solid-state qubit platform. Nature, 2022, 605, 46-50.	27.8	22
13	Stability of multielectron bubbles in liquid helium. Physical Review B, 2008, 78, .	3.2	17
14	Ultrafast fluorescent decay induced by metal-mediated dipole-dipole interaction in two-dimensional molecular aggregates. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10017-10022.	7.1	14
15	Topological kink plasmons on magnetic-domain boundaries. Nature Communications, 2019, 10, 4565.	12.8	14
16	Vortex nucleation induced phonon radiation from a moving electron bubble in superfluid $H = \int d^2r \left[\frac{1}{2} \rho_s (\nabla \phi)^2 + \frac{1}{2} \rho_s \dot{\phi}^2 + \mu_0 \int d^2r \left[\frac{1}{2} (\nabla \cdot \mathbf{e})^2 + \frac{1}{2} (\nabla \times \mathbf{e})^2 \right] \right]$ Physical Review B, 2010, 82, .	3.2	12
17	Matrix maps for substitution sequences in the biquaternion representation. Physical Review B, 2005, 71, .	3.2	8
18	Low temperature piezoelectric and dielectric properties of lead magnesium niobate titanate single crystals. Journal of Applied Physics, 2007, 102, 084104.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Quantum electronics and optics at the interface of solid neon and superfluid helium. Quantum Science and Technology, 2020, 5, 035003.	5.8	6
20	Barrier-height and bias-voltage-controlled spin-filter effect and tunneling magnetoresistance in full ferromagnetic junctions. Journal of Applied Physics, 2006, 99, 08T304.	2.5	5
21	Theory of the stability of multielectron bubbles in liquid helium. Journal of Physics: Conference Series, 2009, 150, 032027.	0.4	3
22	On-Chip Sensing of Hotspots in Superconducting Terahertz Emitters. Nano Letters, 2020, 20, 4197-4203.	9.1	3
23	Space-time crystalline order of a high-critical-temperature superconductor with intrinsic Josephson junctions. Nature Communications, 2021, 12, 6038.	12.8	3
24	Experiments with single electrons in liquid helium. Journal of Physics: Conference Series, 2009, 150, 022020.	0.4	1
25	A finite-temperature density functional study of electron self-trapping in 3He and 4He. Journal of Chemical Physics, 2012, 136, 244510.	3.0	1
26	Plasmonic angular momentum on metal-dielectric nano-wedges in a sectorial indefinite metamaterial. Optics Express, 2013, 21, 28344.	3.4	1
27	Quest for an Optical Circuit Probe. Microscopy and Microanalysis, 2015, 21, 1251-1252.	0.4	0
28	Coherent Manipulation of Single Electrons with Optical Photons in Condensed Helium ⁴ . Advanced Theory and Simulations, 2020, 3, 2000008.	2.8	0
29	Quantum Electromechanical Processes in Plasmonic Nanostructures. , 2014, , .		0