

Dafei Jin

List of Publications by Year in descending order

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29
papers

779
citations

623734

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552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1121
citing authors

#	ARTICLE	IF	CITATIONS
1	Single electrons on solid neon as a solid-state qubit platform. <i>Nature</i> , 2022, 605, 46-50.	27.8	22
2	Halide perovskites enable polaritonic XY spin Hamiltonian at room temperature. <i>Nature Materials</i> , 2022, 21, 761-766.	27.5	28
3	Two-dimensional superconductivity and anisotropic transport at KTaO_3 (111) interfaces. <i>Science</i> , 2021, 371, 716-721.	12.6	136
4	Tunable room-temperature ferromagnetism in Co-doped two-dimensional van der Waals ZnO. <i>Nature Communications</i> , 2021, 12, 3952.	12.8	54
5	Space-time crystalline order of a high-critical-temperature superconductor with intrinsic Josephson junctions. <i>Nature Communications</i> , 2021, 12, 6038.	12.8	3
6	On-Chip Sensing of Hotspots in Superconducting Terahertz Emitters. <i>Nano Letters</i> , 2020, 20, 4197-4203.	9.1	3
7	Coherent Manipulation of Single Electrons with Optical Photons in Condensed Helium-4. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000008.	2.8	0
8	Quantum electronics and optics at the interface of solid neon and superfluid helium. <i>Quantum Science and Technology</i> , 2020, 5, 035003.	5.8	6
9	Topological kink plasmons on magnetic-domain boundaries. <i>Nature Communications</i> , 2019, 10, 4565.	12.8	14
10	Solution-Based, Template-Assisted Realization of Large-Scale Graphitic ZnO. <i>ACS Nano</i> , 2018, 12, 7554-7561.	14.6	23
11	Ultrafast fluorescent decay induced by metal-mediated dipole-dipole interaction in two-dimensional molecular aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10017-10022.	7.1	14
12	Infrared Topological Plasmons in Graphene. <i>Physical Review Letters</i> , 2017, 118, 245301.	7.8	132
13	Topological magnetoplasmon. <i>Nature Communications</i> , 2016, 7, 13486.	12.8	108
14	Quest for an Optical Circuit Probe. <i>Microscopy and Microanalysis</i> , 2015, 21, 1251-1252.	0.4	0
15	Quantum-Spillover-Enhanced Surface-Plasmonic Absorption at the Interface of Silver and High-Index Dielectrics. <i>Physical Review Letters</i> , 2015, 115, 193901.	7.8	49
16	Optical torque from enhanced scattering by multipolar plasmonic resonance. <i>Nanophotonics</i> , 2014, 3, 343-350.	6.0	26
17	Quantum Electromechanical Processes in Plasmonic Nanostructures. , 2014, , .		0
18	Terahertz plasmonics in ferroelectric-gated graphene. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	44

#	ARTICLE	IF	CITATIONS
19	Plasmonic angular momentum on metal-dielectric nano-wedges in a sectorial indefinite metamaterial. Optics Express, 2013, 21, 28344.	3.4	1
20	A finite-temperature density functional study of electron self-trapping in 3He and 4He. Journal of Chemical Physics, 2012, 136, 244510.	3.0	1
21	Excited electron-bubble states in superfluid 4He: A time-dependent density functional approach. Journal of Chemical Physics, 2011, 134, 044507.	3.0	32
22	Vortex nucleation induced phonon radiation from a moving electron bubble in superfluid H Physical Review B, 2010, 82, .	3.2	12
23	Experiments with single electrons in liquid helium. Journal of Physics: Conference Series, 2009, 150, 022020.	0.4	1
24	Theory of the stability of multielectron bubbles in liquid helium. Journal of Physics: Conference Series, 2009, 150, 032027.	0.4	3
25	Stability of multielectron bubbles in liquid helium. Physical Review B, 2008, 78, .	3.2	17
26	Low temperature piezoelectric and dielectric properties of lead magnesium niobate titanate single crystals. Journal of Applied Physics, 2007, 102, 084104.	2.5	7
27	Spin-filter tunneling magnetoresistance in a magnetic tunnel junction. Physical Review B, 2006, 73, .	3.2	30
28	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
29	Matrix maps for substitution sequences in the biquaternion representation. Physical Review B, 2005, 71, .	3.2	8