

Lin Peng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lattice reconstruction of La-incorporated CsPbI ₂ Br with suppressed phase transition for air-processed all-inorganic perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3351-3358.	2.7	35
2	Blue-Violet Emission with Near-Unity Photoluminescence Quantum Yield from Cu(I)-Doped Rb ₃ InCl ₆ Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7928-7934.	2.1	16
3	Vortex Configurations in a Mesoscopic Superconducting Ring Structure: A Finite-Element Analysis. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1217-1220.	0.8	15
4	Angular-dependent vortex pinning mechanism in YBa ₂ Cu ₃ O _{7-δ} /YSZ quasi-multilayer. <i>Journal of Applied Physics</i> , 2008, 104, 033920.	1.1	13
5	Formation of nanosized BaZrO ₃ and the magnetotransport properties in YBa ₂ Cu ₃ O _{7-δ} /YSZ quasi-multilayers. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 155403.	1.3	10
6	Heteroperovskite phase formation and magnetotransport properties of YBa ₂ Cu ₃ O _{7-δ} /SrRuO ₃ quasimultilayers. <i>Journal of Applied Physics</i> , 2008, 104, 023913.	1.1	9
7	Vortex states in mesoscopic superconductors with a complex geometry: A finite element analysis. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450127.	1.0	6
8	Photocurrent enhancement mechanisms in bilayer nanofilm-based ultraviolet photodetectors made from ZnO and ZnS spherical nanoshells. <i>Nanoscale Research Letters</i> , 2014, 9, 388.	3.1	6
9	Reversal magnetoresistance effect in ferromagnet/superconductor/ferromagnet/antiferromagnet heterostructure. <i>Journal of Applied Physics</i> , 2009, 105, 073908.	1.1	5
10	Variation of Vortex Charges in Hole Over-Doped High-Temperature Superconductors with Competing Anti-Ferromagnetic and d-Wave Superconducting Order. <i>Journal of Low Temperature Physics</i> , 2013, 170, 91-98.	0.6	5
11	Vortex States and Magnetization Properties in Mesoscopic Superconducting Ring Structures: A Finite-Element Analysis. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1991-1995.	0.8	5
12	Vortex States of a Three-Dimensional Mesoscopic Superconducting Torus in an External Magnetic Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1197-1201.	0.8	5
13	Vortex States in Nanosized Superconducting Strips with Weak Links Under an External Magnetic Field. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 3507-3511.	0.8	4
14	Different types of vortex pinning contribution to critical current density in YBa ₂ Cu ₃ O _{7-δ} /YSZ quasi-multilayer. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 1255-1260.	1.1	3
15	Vortex Pattern and Local Density of States in High-Temperature Superconductors with Different Hole-Doped Level. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 321-325.	0.8	3
16	Finite Element Treatment of Vortex States in 3D Cubic Superconductors in a Tilted Magnetic Field. <i>Journal of Low Temperature Physics</i> , 2017, 188, 39-48.	0.6	3
17	Dynamic Properties of Vortex States in Mesoscopic Superconducting Strips with a Temporally Periodic Pinning Landscape. <i>Journal of Low Temperature Physics</i> , 2020, 198, 90-99.	0.6	3
18	Possible Distribution of Magnetic Vortices of Two-Band Mesoscopic Superconductors in Different Regions of Parameter Space. <i>Acta Physica Polonica A</i> , 2021, 139, 673-678.	0.2	3

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19	Boosted Structural Stability and Interfacial Charge Transfer in $C_{1-x}M_xO_n/Cl_k/[FA,MA]Pb_{1-y}I_3$ Heterostructures. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18866-18876.		3
20	Modulated luminescence of zero-dimensional bimetallic all-inorganic halide clusters. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3728-3736.	3.0	3
21	Vortex Properties of Nanosized Superconducting Strips with One Central Weak Link Under an Applied Current Drive. <i>Journal of Low Temperature Physics</i> , 2016, 183, 371-378.	0.6	2
22	Properties of Vortex Configurations in Two-Band Mesoscopic Superconductors With Josephson Coupling: The Ginzburg-Landau Theory. <i>Journal of Low Temperature Physics</i> , 2021, 202, 329-342.	0.6	2
23	Fermi surface topology and anisotropic superconducting gap in electron-doped hydride compounds at high pressure. <i>Physical Review Materials</i> , 2022, 6, .	0.9	2
24	Observation of the Curved and Entangled Vortex Tubes in 3D Mesoscopic Cubic Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 2059-2064.	0.8	1
25	Magnetic-Field-Induced Vortices and Antivortices in a Mesoscopic Ferromagnet/Insulator/Superconductor Strip. <i>Journal of Low Temperature Physics</i> , 2019, 197, 402-411.	0.6	1
26	Formation and Rearrangement of Vortex Tubes in a 3D Mesoscopic Superconductor with a Central Weak Link. <i>Acta Physica Polonica A</i> , 2018, 134, 493-497.	0.2	1
27	Dynamic Behavior of Vortices under Applied Current Drive in Mesoscopic Superconducting Strip with Two Magnetic Dots. <i>Acta Physica Polonica A</i> , 2020, 137, 385-389.	0.2	1
28	Vortex pattern and differential conductance in hole underdoped high-temperature superconductors with competing d-wave and antiferromagnetic orders. <i>Low Temperature Physics</i> , 2013, 39, 923-926.	0.2	0
29	Vortex and Antivortex States in Nanoscale Superconductors Due to Symmetry-Induced Cooper-Pair Condensate: A Finite Element Method. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 4259-4262.	0.4	0
30	Simulation Analysis of Single-Nanowire Silicon Solar Cells: A Finite Element Method. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 3000-3004.	0.4	0
31	Finite Element Treatment of Vortex States in 3D Mesoscopic Cylindrical Superconductors in a Tilted Magnetic Field. <i>Acta Physica Polonica A</i> , 2018, 133, 152-156.	0.2	0
32	Influence of the Heat Transfer on Dynamic Properties of Mesoscopic Superconducting Strips: A Finite Element Method. <i>Acta Physica Polonica A</i> , 2020, 137, 1116-1120.	0.2	0
33	The dynamics of current-driven vortex in two-band superconductor with s+d wave pairing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, , 128206.	0.9	0