

Jun-Yi Ge

List of Publications by Year in descending order

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times ranked

985
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#	ARTICLE	IF	CITATIONS
1	Temperature dependence of lower critical field $H_c < /math>$ nodeless superconductivity in FeSe. Physical Review B, 2013, 88, .	8.2	91
2	Nanoscale assembly of superconducting vortices with scanning tunnelling microscope tip. Nature Communications, 2016, 7, 13880.	12.8	43
3	Anomalous Hall effect in ferrimagnetic metal RMn ₆ Sn ₆ (R = Tb, Dy, Ho) with clean Mn kagome lattice. Applied Physics Letters, 2021, 119, .	3.3	29
4	Superconducting properties of highly oriented Fe _{1.03} Te _{0.55} Se _{0.45} with excess Fe. Solid State Communications, 2010, 150, 1641-1645.	1.9	28
5	Direct visualization of vortex pattern transition in ZrB_{12} with Ginzburg-Landau parameter close to the dual point. Physical Review B, 2014, 90, .	3.2	27
6	Bound vortex dipoles generated at pinning centres by Meissner current. Nature Communications, 2015, 6, 6573.	12.8	27
7	Critical behavior and magnetocaloric effect of the quasi-two-dimensional room-temperature ferromagnet Cr_4Te_5 . Physical Review B, 2020, 101, .	3.2	27
8	Vortex phase transition and isotropic flux dynamics in $K_{0.8}Fe_2Se_2$ single crystal lightly doped with Mn. Applied Physics Letters, 2013, 103, 052602.	3.3	25
9	Vortex phase diagram in 12442-type $RbCa_2Fe_4As_4F_2$ single crystal revealed by magneto-transport and magnetization measurements. Superconductor Science and Technology, 2020, 33, 114005.	3.5	24
10	Three-dimensional superconductivity in nominal composition Fe _{1.03} Se with T _c up to 10.9 K induced by internal strain. Journal of Applied Physics, 2010, 108, .	2.5	23
11	Direct observation of the depairing current density in single-crystalline Ba _{0.5} K _{0.5} Fe ₂ As ₂ microbridge with nanoscale thickness. Applied Physics Letters, 2013, 103, .	3.3	23
12	Tunable Curie temperature in layered ferromagnetic Cr _{5+x} Te ₈ single crystals. APL Materials, 2020, 8, .	5.1	19
13	Giant increase of critical current density and vortex pinning in Mn doped $K_xFe_{2-x}ySe_2$ single crystals. Applied Physics Letters, 2014, 105, 192602.	3.3	18
14	Direct Observation of Nanoscale Light Confinement without Metal. Advanced Materials, 2019, 31, e1806341.	21.0	17
15	Paramagnetic Meissner effect in ZrB_{12} single crystal with non-monotonic vortex-vortex interactions. New Journal of Physics, 2017, 19, 093020.	2.9	16
16	Direct visualization of vortex ice in a nanostructured superconductor. Physical Review B, 2017, 96, .	3.2	15
17	Controlled Generation of Quantized Vortex-Antivortex Pairs in a Superconducting Condensate. Nano Letters, 2017, 17, 5003-5007.	9.1	15
18	Doping induced very low field type \hat{a}_{ij} spin switching in single crystal Nd _{0.7} Sm _{0.3} FeO ₃ . Ceramics International, 2020, 46, 17347-17350.	4.8	15

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19	Observation of single flux quantum vortices in the intermediate state of a type-I superconducting film. <i>Physical Review B</i> , 2013, 88.	3.2	14
20	Peak effect in optimally doped p -type single-crystal $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{O}_{7-y}\text{Fe}$ hexaferrites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25826-25837.	3.2	14
21	Tunable artificial vortex ice in nanostructured superconductors with a frustrated kagome lattice of paired antidots. <i>Physical Review B</i> , 2018, 97, .	3.2	14
22	Method of artificial intelligence algorithm to improve the automation level of Rietveld refinement. <i>Computational Materials Science</i> , 2019, 156, 310-314.	3.0	14
23	Mapping degenerate vortex states in a kagome lattice of elongated antidots via scanning Hall probe microscopy. <i>Physical Review B</i> , 2017, 96, .	3.2	13
24	Spin-orbit coupling in magnetoelectric $\text{Ba}_3(\text{Zn}_{1-x}\text{Co}_x)_2\text{Fe}_{24}\text{O}_{41}$ hexaferrites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25826-25837.	2.8	13
25	Tuning spin reorientation in $\text{Er}_{1-x}\text{Y}_x\text{FeO}_3$ single crystal family. <i>Frontiers of Physics</i> , 2019, 14, 1.	5.0	12
26	Structural and Physical Properties of High-Entropy $\text{REBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Oxide Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 1379-1385.	1.8	12
27	Electronic transport properties and hydrostatic pressure effect of $\text{FeSe}_{0.67}\text{Te}_{0.33}$ single crystals free of phase separation. <i>Superconductor Science and Technology</i> , 2021, 34, 055006.	3.5	12
28	Spin reorientation and rare earth antiferromagnetic transition in single crystal $\text{Sm}_{0.15}\text{Dy}_{0.85}\text{FeO}_3$. <i>Journal of Alloys and Compounds</i> , 2019, 804, 396-400.	5.5	11
29	Flux pattern transitions in the intermediate state of a type-I superconductor driven by an ac field. <i>New Journal of Physics</i> , 2013, 15, 033013.	2.9	10
30	Vortices in a wedge made of a type-I superconductor. <i>New Journal of Physics</i> , 2015, 17, 063032.	2.9	10
31	Low field control of spin switching and continuous magnetic transition in an ErFeO_3 single crystal. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 735-742.	2.8	10
32	Impurity effects on the normal-state transport properties of $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{O}_{7-y}\text{Fe}$. <i>Physical Review B</i> , 2014, 90, .	3.2	9
33	Evolution of Temperature-Induced Isostructural Phase Transition in a Newly Grown Layered FeTe_2 Single Crystal. <i>Chemistry of Materials</i> , 2021, 33, 4927-4935.	6.7	9
34	Facile fabrication of drug-loaded PEGDA microcapsules for drug evaluation using droplet-based microchip. <i>Chinese Chemical Letters</i> , 2022, 33, 2697-2700.	9.0	9
35	Dependence of the flux-creep activation energy on current density and magnetic field for a $\text{Ca}_{10}(\text{Pt}_3\text{As}_8)[(\text{Fe}_{1-x}\text{Pt}_x)_2\text{As}_2]_5$ single crystal. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	8
36	Magnetic dipoles at topological defects in the Meissner state of a nanostructured superconductor. <i>Physical Review B</i> , 2016, 93, .	3.2	8

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37	Spin State Crossover, Vibrational, Computational, and Structural Studies of Fe ^{II} ϵ -isopropyl ϵ -H-tetrazole Derivatives. European Journal of Inorganic Chemistry, 2018, 2018, 394-413.	2.0	7
38	High-throughput growth of SmxPr1-xFeO3 all-in-one single crystal rod with quasi-continuous composition distribution. AIP Advances, 2018, 8, 115328.	1.3	7
39	Fishtail effect and the vortex phase diagram of high-entropy alloy superconductor. Applied Physics Letters, 2022, 120, .	3.3	7
40	Stability of degenerate vortex states and multi-quanta confinement effects in a nanostructured superconductor with Kagome lattice of elongated antidots. New Journal of Physics, 2018, 20, 093030.	2.9	6
41	Tunable and switchable magnetic dipole patterns in nanostructured superconductors. Nature Communications, 2018, 9, 2576.	12.8	6
42	Flux-creep activation energy for a BaFe1.9Ni0.1As2 single crystal derived from alternating current susceptibility measurements. Journal of Applied Physics, 2016, 119, 163904.	2.5	5
43	Evolution of Superconducting Properties in Fe1.1Se0.8Te0.2 Films Before and After Structure Avalanche. ACS Applied Materials & Interfaces, 2021, 13, 42138-42145.	8.0	5
44	Anomalous magnetization jumps in granular Pb superconducting films. Current Applied Physics, 2022, 35, 32-37.	2.4	5
45	Magnetic phase transitions and critical behavior in single crystal Cr ₅ Te ₅ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1382" altimg="si78.svg")	2.3	5
46	Two energy gaps in superconducting Lu2Fe3Si5 single crystal derived from the temperature dependence of lower critical field Hc1(T). Physica C: Superconductivity and Its Applications, 2012, 478, 5-9.	1.2	4
47	Structure, magnetism, electrical transport, and optical properties of the electron-doped quasi-2D manganates LaxCa3-xMn2O7. Ceramics International, 2019, 45, 20613-20625.	4.8	4
48	Exchange bias associated with magnetic glass state in Gd5Ge4. Journal of Applied Physics, 2010, 107, 09E105.	2.5	3
49	The transport properties in antimony doped iron selenide Fe(Se1-xSbx)0.92 system. Cryogenics, 2011, 51, 253-256.	1.7	3
50	Direct imaging of vortex pinning at artificial antidots with different geometries. Applied Physics Letters, 2019, 115, 132601.	3.3	3
51	Magnetic and Electrical Properties of Ni3Te2 Single Crystals Grown by Physical Vapor Transport Technique. Physica Status Solidi (B): Basic Research, 0, , 2200037.	1.5	3
52	K-doping effect of the superconductivity in K2FeTe1-S (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1390" altimg="si79.svg")	2.4	2
53	Effects of Cr doping on the superconductivity and magnetism of FeTe0.8S0.2. Solid State Communications, 2020, 309, 113846.	1.9	2
54	Paramagnetic Meissner Effect Observed in SrBi3 with $\mu_0 H_c$ Close to the Critical Regime. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1691-1695.	1.8	2

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55	Investigation of the flux dynamics in $KCa_2Fe_4As_4F_2$ single crystal by ac susceptibility measurements. <i>Superconductor Science and Technology</i> , 2022, 35, 055013.	3.5	2
56	Magnetolectric coupling in $Sr_3Co_2Fe_{23}O_{41}$ single crystal near room temperature. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164233.	5.5	2
57	Quantification of the flux tubes and the stability of stripe pattern in the intermediate state of a type-1 superconducting film. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 503, 38-41.	1.2	1
58	Vortex ice pattern evolution in a kagome nanostructured superconductor. <i>Physical Review B</i> , 2020, 102, .	3.2	1
59	Annealing Effects on the Structural, Surface, and Superconducting Properties of $FeTe_{0.55}Se_{0.45}$ Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 1739-1744.	1.8	1
60	Selenium doping induced two antiferromagnetic transitions in thiospinel compounds $CuCo_2S_{4-x}Se_x$ ($0 \leq x \leq 0.8$). <i>Journal of the American Ceramic Society</i> , 2021, 104, 1806-1813.	3.8	1
61	Emergence of exchange bias field in FeS superconductor with cobalt-doping. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 335601.	1.8	1
62	Tunable Density of $FeSe_{1-x}Te_x$ Targets With High Pressure Sintering. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-6.	1.7	1
63	Investigation of field-controlled magnetocaloric switching and magnetodielectric phenomena in spin-chain compound Er_2BaNiO_5 . <i>Journal Physics D: Applied Physics</i> , 2022, 55, 135001.	2.8	1
64	Magnetic and Electrical Properties of Ni_3Te_2 Single Crystals Grown by Physical Vapor Transport Technique. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	1.5	1
65	Depairing current density of $Ba_{0.5}K_{0.5}Fe_{1.95}Co_{0.05}As_2$ microbridges with nanoscale thickness. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 503, 101-104.	1.2	0
66	Simultaneously Control the Optical and Paramagnetic Properties of Bifunctional $Na(Y_{0.8-x}Dy_xYb_{0.18}Er_{0.02})F_4$ Nanoparticles. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-6.	2.9	0
67	Variation of local fields of pinned vortices with temperature. <i>Applied Physics Letters</i> , 2020, 116, 102601.	3.3	0
68	Vortex Deformation Close to a Pinning Center. <i>Springer Series in Materials Science</i> , 2017, , 1-13.	0.6	0