

Jun-Yi Ge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/98739/publications.pdf>

Version: 2024-02-01

68
papers

775
citations

567281

15
h-index

610901

24
g-index

68
all docs

68
docs citations

68
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of drug-loaded PEGDA microcapsules for drug evaluation using droplet-based microchip. Chinese Chemical Letters, 2022, 33, 2697-2700.	9.0	9
2	Anomalous magnetization jumps in granular Pb superconducting films. Current Applied Physics, 2022, 35, 32-37.	2.4	5
3	Low field control of spin switching and continuous magnetic transition in an ErFeO ₃ single crystal. Physical Chemistry Chemical Physics, 2022, 24, 735-742.	2.8	10
4	Multiple magnetic phase transitions and critical behavior in single crystal Cr ₅ Te ₆ targets. $\text{Cr}_{5-x}\text{Te}_6$	2.3	5
5	Tunable Density of FeSe _{1-x} Te _x Targets With High Pressure Sintering. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.7	1
6	Fishtail effect and the vortex phase diagram of high-entropy alloy superconductor. Applied Physics Letters, 2022, 120, .	3.3	7
7	Investigation of the flux dynamics in KCa ₂ Fe ₄ As ₄ F ₂ single crystal by ac susceptibility measurements. Superconductor Science and Technology, 2022, 35, 055013.	3.5	2
8	Magnetolectric coupling in Sr ₃ Co ₂ Fe ₂₃ O ₄₁ single crystal near room temperature. Journal of Alloys and Compounds, 2022, 905, 164233.	5.5	2
9	Investigation of field-controlled magnetocaloric switching and magnetodielectric phenomena in spin-chain compound Er ₂ BaNiO ₅ . Journal Physics D: Applied Physics, 2022, 55, 135001.	2.8	1
10	Magnetic and Electrical Properties of Ni ₃ Te ₂ Single Crystals Grown by Physical Vapor Transport Technique. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	1
11	Annealing Effects on the Structural, Surface, and Superconducting Properties of FeTe _{0.55} Se _{0.45} Single Crystals. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1739-1744.	1.8	1
12	Selenium doping induced two antiferromagnetic transitions in thiospinel compounds CuCo ₂ S ₄ (0 ≤ x ≤ 0.8). Journal of the American Ceramic Society, 2021, 104, 1806-1813.	3.8	1
13	Structural and Physical Properties of High-Entropy REBa ₂ Cu ₃ O _{7-δ} Oxide Superconductors. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1379-1385.	1.8	12
14	Electronic transport properties and hydrostatic pressure effect of FeSe _{0.67} Te _{0.33} single crystals free of phase separation. Superconductor Science and Technology, 2021, 34, 055006.	3.5	12
15	Emergence of exchange bias field in FeS superconductor with cobalt-doping. Journal of Physics Condensed Matter, 2021, 33, 335601.	1.8	1
16	Evolution of Temperature-Induced Isostructural Phase Transition in a Newly Grown Layered FeTe ₂ Single Crystal. Chemistry of Materials, 2021, 33, 4927-4935.	6.7	9
17	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
18	Evolution of Superconducting Properties in Fe _{1.1} Se _{0.8} Te _{0.2} Films Before and After Structure Avalanche. ACS Applied Materials & Interfaces, 2021, 13, 42138-42145.	8.0	5

#	ARTICLE	IF	CITATIONS
19	Doping induced very low field type $\hat{a}\dots j$ spin switching in single crystal $\text{Nd}_{0.7}\text{Sm}_{0.3}\text{FeO}_3$. <i>Ceramics International</i> , 2020, 46, 17347-17350.	4.8	15
20	Vortex ice pattern evolution in a kagome nanostructured superconductor. <i>Physical Review B</i> , 2020, 102, .	3.2	1
21	Critical behavior and magnetocaloric effect of the quasi-two-dimensional room-temperature ferromagnet Cr_{4Te_5} . <i>Physical Review B</i> , 2020, 101, .	3.2	27
22	Variation of local fields of pinned vortices with temperature. <i>Applied Physics Letters</i> , 2020, 116, 102601.	3.3	0
23	Tunable Curie temperature in layered ferromagnetic $\text{Cr}_{5+\text{x}}\text{Te}_8$ single crystals. <i>APL Materials</i> , 2020, 8, .	5.1	19
24	Effects of Cr doping on the superconductivity and magnetism of $\text{FeTe}_{0.8}\text{S}_{0.2}$. <i>Solid State Communications</i> , 2020, 309, 113846.	1.9	2
25	Paramagnetic Meissner Effect Observed in SrBi_3 with $\hat{\mu}$ Close to the Critical Regime. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 1691-1695.	1.8	2
26	Vortex phase diagram in 12442-type $\text{RbCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ single crystal revealed by magneto-transport and magnetization measurements. <i>Superconductor Science and Technology</i> , 2020, 33, 114005.	3.5	24
27	Structure, magnetism, electrical transport, and optical properties of the electron-doped quasi-2D manganates $\text{La}_x\text{Ca}_{3-x}\text{Mn}_2\text{O}_7$. <i>Ceramics International</i> , 2019, 45, 20613-20625.	4.8	4
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	Direct imaging of vortex pinning at artificial antidots with different geometries. <i>Applied Physics Letters</i> , 2019, 115, 132601.	3.3	3
30	K-doping effect of the superconductivity in $\text{K}_2\text{FeTe}_1\text{S}$. <i>Applied Physics Letters</i> , 2019, 115, 132601.	2.4	2
31	Current Applied Physics, 2019, 19, 475-479. 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
32	Direct Observation of Nanoscale Light Confinement without Metal. <i>Advanced Materials</i> , 2019, 31, e1806341.	21.0	17
33	Simultaneously Control the Optical and Paramagnetic Properties of Bifunctional $\text{Na}(\text{Y}_{0.8-x}\text{Dy}_x\text{Yb}_{0.18}\text{Er}_{0.02})\text{F}_4$ Nanoparticles. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-6.	2.9	0
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Spin State Crossover, Vibrational, Computational, and Structural Studies of Fe^{II} $\text{H}^{\text{tetrazole}}$ Derivatives. European Journal of Inorganic Chemistry, 2018, 2018, 394-413.	2.0	7
38	High-throughput growth of $\text{Sm}_x\text{Pr}_{1-x}\text{FeO}_3$ all-in-one single crystal rod with quasi-continuous composition distribution. AIP Advances, 2018, 8, 115328.	1.3	7
39	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
40	Tunable and switchable magnetic dipole patterns in nanostructured superconductors. Nature Communications, 2018, 9, 2576.	12.8	6
41	Mapping degenerate vortex states in a kagome lattice of elongated antidots via scanning Hall probe microscopy. Physical Review B, 2017, 96, .	3.2	13
42	Direct visualization of vortex ice in a nanostructured superconductor. Physical Review B, 2017, 96, .	3.2	15
43	Controlled Generation of Quantized Vortex-Antivortex Pairs in a Superconducting Condensate. Nano Letters, 2017, 17, 5003-5007.	9.1	15
44	Paramagnetic Meissner effect in ZrB_{12} single crystal with non-monotonic vortex-vortex interactions. New Journal of Physics, 2017, 19, 093020.	2.9	16
45	Vortex Deformation Close to a Pinning Center. Springer Series in Materials Science, 2017, , 1-13.	0.6	0
46	Flux-creep activation energy for a $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$ single crystal derived from alternating current susceptibility measurements. Journal of Applied Physics, 2016, 119, 163904.	2.5	5
47	Nanoscale assembly of superconducting vortices with scanning tunnelling microscope tip. Nature Communications, 2016, 7, 13880.	12.8	43
48	Magnetic dipoles at topological defects in the Meissner state of a nanostructured superconductor. Physical Review B, 2016, 93, .	3.2	8
49	Bound vortex dipoles generated at pinning centres by Meissner current. Nature Communications, 2015, 6, 6573.	12.8	27
50	Vortices in a wedge made of a type-I superconductor. New Journal of Physics, 2015, 17, 063032.	2.9	10
51	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
52	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. Applied Physics Letters, 2014, 104, .	3.3	8
53	Giant increase of critical current density and vortex pinning in Mn doped $\text{KxFe}_2\text{ySe}_2$ single crystals. Applied Physics Letters, 2014, 105, 192602.	3.3	18
54	Quantification of the flux tubes and the stability of stripe pattern in the intermediate state of a type-I superconducting film. Physica C: Superconductivity and Its Applications, 2014, 503, 38-41.	1.2	1

#	ARTICLE	IF	CITATIONS
55	Impurity effects on the normal-state transport properties of $\text{Ba}_{0.5}\text{K}_{0.5}\text{Fe}$ single crystal. Physical Review B, 2014, 90, .	3.9	6
56	Depairing current density of $\text{Ba}_{0.5}\text{K}_{0.5}\text{Fe}_{1.95}\text{Co}_{0.05}\text{As}_2$ microbridges with nanoscale thickness. Physica C: Superconductivity and Its Applications, 2014, 503, 101-104.	1.2	0
57	Vortex phase transition and isotropic flux dynamics in $\text{K}_{0.8}\text{Fe}_2\text{Se}_2$ single crystal lightly doped with Mn. Applied Physics Letters, 2013, 103, 052602.	3.3	25
58	Direct observation of the depairing current density in single-crystalline $\text{Ba}_{0.5}\text{K}_{0.5}\text{Fe}_2\text{As}_2$ microbridge with nanoscale thickness. Applied Physics Letters, 2013, 103, .	3.3	23
59	Temperature dependence of lower critical field H_c in nodeless superconductivity in FeSe. Physical Review B, 2013, 88, .	3.2	91
60	Flux pattern transitions in the intermediate state of a type-I superconductor driven by an ac field. New Journal of Physics, 2013, 15, 033013.	2.9	10
61	Observation of single flux quantum vortices in the intermediate state of a type-I superconducting film. Physical Review B, 2013, 88, .	3.2	14
62	Peak effect in optimally doped $\text{Ba}_{0.5}\text{K}_{0.5}\text{Fe}$ single crystal. Physical Review B, 2013, 88, .	3.2	14
63	Two energy gaps in superconducting $\text{Lu}_2\text{Fe}_3\text{Si}_5$ single crystal derived from the temperature dependence of lower critical field $H_{c1}(T)$. Physica C: Superconductivity and Its Applications, 2012, 478, 5-9.	1.2	4
64	The transport properties in antimony doped iron selenide $\text{Fe}(\text{Se}_{1-x}\text{Sbx})_{0.92}$ system. Cryogenics, 2011, 51, 253-256.	1.7	3
65	Superconducting properties of highly oriented $\text{Fe}_{1.03}\text{Te}_{0.55}\text{Se}_{0.45}$ with excess Fe. Solid State Communications, 2010, 150, 1641-1645.	1.9	28
66	Exchange bias associated with magnetic glass state in Gd_5Ge_4 . Journal of Applied Physics, 2010, 107, 09E105.	2.5	3
67	Three-dimensional superconductivity in nominal composition $\text{Fe}_{1.03}\text{Se}$ with T_c up to 10.9 K induced by internal strain. Journal of Applied Physics, 2010, 108, .	2.5	23
68	Magnetic and Electrical Properties of Ni_3Te_2 Single Crystals Grown by Physical Vapor Transport Technique. Physica Status Solidi (B): Basic Research, 0, , 2200037.	1.5	3