

Gufei Zhang

List of Publications by Year in descending order

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34
papers

821
citations

516561

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477173

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34
all docs

34
docs citations

34
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and magnetic properties of Mn-implanted Si. <i>Physical Review B</i> , 2007, 75, .	1.1	118
2	Structural transformation and magnetoelectric behaviour in Bi _{1-x} Gd _x FeO ₃ multiferroics. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 125002.	1.3	94
3	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2019, 9, 10870-10875.	5.5	86
4	Crystalline Ni nanoparticles as the origin of ferromagnetism in Ni implanted ZnO crystals. <i>Journal of Applied Physics</i> , 2006, 100, 114304.	1.1	49
5	Global and Local Superconductivity in Boron-Doped Granular Diamond. <i>Advanced Materials</i> , 2014, 26, 2034-2040.	11.1	49
6	Metal-Bosonic Insulator-Superconductor Transition in Boron-Doped Granular Diamond. <i>Physical Review Letters</i> , 2013, 110, 077001.	2.9	44
7	Thermal and quantum depletion of superconductivity in narrow junctions created by controlled electromigration. <i>Nature Communications</i> , 2016, 7, 10560.	5.8	41
8	Microwave transmission modes in compound metallic gratings. <i>Physical Review B</i> , 2007, 76, .	1.1	39
9	Weak ferromagnetism in La-doped BiFeO ₃ multiferroic thin films. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	38
10	Role of grain size in superconducting boron-doped nanocrystalline diamond thin films grown by CVD. <i>Physical Review B</i> , 2011, 84, .	1.1	36
11	Bosonic Anomalies in Boron-Doped Polycrystalline Diamond. <i>Physical Review Applied</i> , 2016, 6, .	1.5	30
12	Superconducting Ferromagnetic Nanodiamond. <i>ACS Nano</i> , 2017, 11, 5358-5366.	7.3	25
13	Superconductivity in ZrB ₁₂ and LuB ₁₂ with Various Boron Isotopes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1663-1667.	0.8	20
14	Long-Range Ordered Amorphous Atomic Chains as Building Blocks of a Superconducting Quasi-One-Dimensional Crystal. <i>Advanced Materials</i> , 2020, 32, e2002352.	11.1	20
15	Local destruction of superconductivity by non-magnetic impurities in mesoscopic iron-based superconductors. <i>Nature Communications</i> , 2015, 6, 7614.	5.8	19
16	Bosonic Confinement and Coherence in Disordered Nanodiamond Arrays. <i>ACS Nano</i> , 2017, 11, 11746-11754.	7.3	16
17	Granular superconductivity in metallic and insulating nanocrystalline boron-doped diamond thin films. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 374019.	1.3	14
18	Negative magnetoresistance in boron-doped nanocrystalline diamond films. <i>Journal of Applied Physics</i> , 2009, 106, 033711.	1.1	11

#	ARTICLE	IF	CITATIONS
19	Magnetic field-driven superconductor-insulator transition in boron-doped nanocrystalline chemical vapor deposition diamond. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	9
20	Impurity effects on the normal-state transport properties of $\text{Ba}_{0.5}\text{K}_{0.5}\text{Fe}$. <i>Physical Review B</i> , 2014, 90, .		
21	Yu-Shiba-Rusinov bands in ferromagnetic superconducting diamond. <i>Science Advances</i> , 2020, 6, eaaz2536.	4.7	9
22	Memory effect of magnetic nanoparticle systems originating from particle size distribution. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 1596-1599.	0.6	8
23	Superconducting properties of Nb/Pb/Nb trilayer. <i>Superconductor Science and Technology</i> , 2015, 28, 034001.	1.8	7
24	Direct evidence of magnetostructural phase separation in the electron-doped manganite $\text{Ca}_{1-x}\text{Mn}_{0.8}\text{Fe}_x$. <i>Physical Review B</i> , 2010, 82, .	1.1	6
25	Anomalous Anisotropy in Superconducting Nanodiamond Films Induced by Crystallite Geometry. <i>Physical Review Applied</i> , 2019, 12, .	1.5	5
26	Superconductor-insulator transition driven by pressure-tuned intergrain coupling in nanodiamond films. <i>Physical Review Materials</i> , 2019, 3, .	0.9	5
27	Intrinsic granularity in superconducting boron-doped diamond. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 853-856.	0.6	4
28	High upper critical fields of superconducting $\text{Ca}_{10}(\text{Pt}_4\text{As}_8)(\text{Fe}_{1.8}\text{Pt}_{0.2}\text{As}_2)_5$ whiskers. <i>Applied Physics Letters</i> , 2015, 106, 262601.	1.5	4
29	Study of the superconducting properties of the new intermetallic compound $\text{Zr}_{1-x}\text{Nb}_x\text{B}_2$. <i>Superconductor Science and Technology</i> , 2016, 29, 095007.	1.8	4
30	Joule Heating Induced Nonlinear Behavior in a Phase-Separated System $(\text{La}_{0.73}\text{Bi}_{0.27})_{0.67}\text{Ca}_{0.33}\text{MnO}_3$. <i>Journal of Low Temperature Physics</i> , 2011, 163, 176-183.	0.6	1
31	Effect of Short-Range Ferromagnetic Ordering on the Electrical Transport Properties of $(\text{La}_{0.9}\text{Bi}_{0.1})_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ in the Magnetic Field up to 40 T. <i>Journal of Low Temperature Physics</i> , 2014, 174, 207-213.	0.6	1
32	Disorder Tuned Superconductor Insulator Transition in $\text{La}_{2-x}(\text{Sr/Ce})_x\text{CuO}_4$ & NbN Superconducting Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 807-810.	0.8	0
33	Tunable optical absorption of dimer nanostructure array achieved by angular evaporation. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 115010.	1.5	0
34	Superconducting Density of States in B-Doped Diamond. <i>Acta Physica Polonica A</i> , 2017, 131, 1033-1035.	0.2	0