

Feng Xue

List of Publications by Year in descending order

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18
papers

110
citations

1307594

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1281871

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18
docs citations

18
times ranked

38
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of flux creep and viscous flux flow on flux-pinning-induced stress and magnetostriction in a long rectangular slab superconductor. Journal of Applied Physics, 2010, 108, .	2.5	19
2	An analytical investigation on singularity of current distribution around a crack in a long cylindrical superconductor. Journal of Applied Physics, 2010, 107, .	2.5	16
3	Crack problem for a bulk superconductor with nonsuperconducting inclusions under an electromagnetic force. AIP Advances, 2015, 5, .	1.3	13
4	Fracture behavior of an inclined crack interacting with a circular inclusion in a high- T_c superconductor under an electromagnetic force. AIP Advances, 2015, 5, .	1.3	12
5	Kim model for flux-pinning-induced stress in a long cylindrical superconductor. AIP Advances, 2016, 6, .	1.3	9
6	Effect of an Elliptical Inclusion on Critical Current Density of a Long Cylindrical High- T_c Superconductor. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2023-2029.	1.8	8
7	Effect of strain on depairing current density in deformable superconducting thin films. Journal of Applied Physics, 2011, 110, 033905.	2.5	7
8	Critical Current Density Through Grain Boundaries in High-Temperature Superconductors. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2711-2716.	1.8	7
9	Effect of prestrain on coherence length and order parameter. Journal of Applied Physics, 2010, 108, .	2.5	6
10	Barrier or easy-flow channel: The role of grain boundary acting on vortex motion in type-II superconductors*. Chinese Physics B, 2021, 30, 097402.	1.4	3
11	Depairing current density through a low-angle grain boundary in a superconducting film. AIP Advances, 2016, 6, 055313.	1.3	2
12	Flux-Pinning-Induced Stress and Deformation Analyses of a Long Rectangular Superconducting Bicrystal. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2495-2501.	1.8	2
13	Effect of Schottky barrier height lowering on resistance degradation of Fe-doped SrTiO ₃ thin-film capacitor. AIP Advances, 2021, 11, 025132.	1.3	2
14	Effect of strain on critical current density in grain boundaries of superconductors. AIP Conference Proceedings, 2013, , .	0.4	1
15	An Exponential Model for Critical Current Density Through a Low-Angle Grain Boundary in a High- T_c Superconductor. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2221-2224.	1.8	1
16	The Influence of Dispersedly Distributed Cracks on Critical Current of the Nb ₃ Sn Strand. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1323-1328.	1.8	1
17	Modeling the trapped field distribution in a polycrystalline bulk superconductor based on a critical state model. Physica C: Superconductivity and Its Applications, 2019, 556, 43-60.	1.2	1
18	Thickness-Dependent Current Density and Flux Distribution in Thin Current-Carrying Superconducting Films Exposed to a Magnetic Field. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2741-2746.	1.8	0