

Yong Yang

List of Publications by Year in descending order

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docs citations

17
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84
citing authors

#	ARTICLE	IF	CITATIONS
1	Method for solution of the interaction between superconductor and permanent magnet. Journal of Applied Physics, 2007, 101, 113922.	2.5	52
2	Transition Cooling Height of High-Temperature Superconductor Levitation System. IEEE Transactions on Applied Superconductivity, 2007, 17, 3862-3866.	1.7	29
3	Effect of parameters of a high-temperature superconductor levitation system on the lateral force. Superconductor Science and Technology, 2008, 21, 015021.	3.5	20
4	Impact of viscous flux flow on the stress in long rectangular slab superconductors. Journal of Applied Physics, 2010, 107, 023910.	2.5	12
5	Viscous flux flow velocity and stress distribution in the Kim model of a long rectangular slab superconductor. Superconductor Science and Technology, 2018, 31, 055005.	3.5	11
6	Stress in Bulk Type-II Superconductor Under Viscous Flux Motion for a Complete Field Cycle After Zero-Field Cooling. IEEE Transactions on Applied Superconductivity, 2010, 20, 1507-1510.	1.7	10
7	Radial and Hoop Compressive Stresses in a Long Cylindrical Superconductor with Viscous Flux Flow. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2255-2258.	1.8	10
8	Impact of viscous flux flow on the stresses in long cylindrical superconductors. Superconductor Science and Technology, 2011, 24, 095003.	3.5	9
9	Vertical and lateral forces when a permanent magnet above a superconductor traverses in arbitrary directions. Superconductor Science and Technology, 2008, 21, 125012.	3.5	6
10	Channel modeling for High-Altitude platform: A review. , 2010, , .		6
11	Numerical investigation of the relationship between magnetic stiffness and minor loop size in the HTS levitation system. AIP Advances, 2017, 7, .	1.3	5
12	Minor loop dependence of the magnetic forces and stiffness in a PM-HTS levitation system. AIP Advances, 2017, 7, .	1.3	4
13	Effects of Parameters of High-Temperature Superconductor Levitation System on the Vertical Force in Zero-Field Cooling when a Permanent Magnet Is Laterally Traversing. Journal of Superconductivity and Novel Magnetism, 2009, 22, 381-385.	1.8	2
14	Effect of physical and geometrical parameters on vertical magnetic stiffness when a permanent magnet moves vertically above a high-temperature superconductor. Journal of Applied Physics, 2020, 128, 053905.	2.5	2
15	Study on the relationship between uniaxial strain and critical transition temperature of MgB ₂ based on first-principles. Journal of Physics Condensed Matter, 2022, 34, 105601.	1.8	1
16	Characteristics of cross stiffness with different physical and geometrical parameters in a high-temperature superconductor levitation system. Physica C: Superconductivity and Its Applications, 2021, 582, 1353821.	1.2	0
17	Lateral magnetic stiffness under different parameters in a high-temperature superconductor levitation system*. Chinese Physics B, 2021, 30, 077404.	1.4	0