

Alexei V Semenov

List of Publications by Year in descending order

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1307594

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18
docs citations

18
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150
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercurrent transport in YBa ₂ Cu ₃ O _{7-δ} epitaxial thin films in a dc magnetic field. Physical Review B, 2006, 73, .	3.2	105
2	Magnetic-field and temperature dependence of the critical current in thin epitaxial films of the high-temperature superconductor YBa ₂ Cu ₃ O _{7-δ} . Low Temperature Physics, 2002, 28, 172-183.	0.6	30
3	Mechanisms of limitation and nature of field dependence of critical current in HTS epitaxial YBaCuO films. IEEE Transactions on Applied Superconductivity, 2003, 13, 3714-3717.	1.7	28
4	Thickness dependence mechanisms of the critical current density in high-T _c cuprate superconductor films. Superconductor Science and Technology, 2007, 20, 1159-1164.	3.5	14
5	Measurements of the magnetic field and temperature dependences of the critical current in YBCO films and procedures for an appropriate theoretical model selection. Superconductor Science and Technology, 2008, 21, 075015.	3.5	13
6	Critical Current Density of HTS Single Crystal YBCO Thin Films in Applied dc Field. IEEE Transactions on Applied Superconductivity, 2005, 15, 2783-2786.	1.7	12
7	On the mechanism of thickness dependence of the critical current density in HTS cuprate epitaxial films. Journal of Physics: Conference Series, 2008, 97, 012259.	0.4	7
8	Nature of magnetic field and angular dependencies of the critical current density in epitaxial HTS YBa ₂ Cu ₃ O _{7-δ} films. Physica C: Superconductivity and Its Applications, 2003, 388-389, 431-432.	1.2	6
9	Features of vortex pinning and magnetic flux creep in epitaxial thin films of high-T _c superconductor YBa ₂ Cu ₃ O _{7-δ} near the critical temperature. Low Temperature Physics, 2006, 32, 832-837.	0.6	4
10	Magnetic flux creep in YBa ₂ Cu ₃ O _{7-δ} high-T _c superconducting thin films near the critical temperature. Low Temperature Physics, 2006, 32, 205-213.	0.6	4
11	Field behavior of the critical current in quasi-single-crystalline YBCO films. Physica C: Superconductivity and Its Applications, 2004, 401, 316-319.	1.2	3
12	Features of the temperature dependence and magnetic-field dependence of the critical current density close to the critical temperature in YBa ₂ Cu ₃ O _{7-δ} thin films. Low Temperature Physics, 2010, 36, 81-91.	0.6	2
13	On the theory of strong pinning in high-temperature superconducting films. Journal of Physics: Conference Series, 2008, 97, 012252.	0.4	1
14	Peak-effect and angular hysteresis in J _c (H, \hat{l}) dependencies for YBa ₂ Cu ₃ O _{7-δ} epitaxial films. Journal of Physics: Conference Series, 2006, 43, 674-677.	0.4	0
15	Magnetic-field dependence of the critical current of Abrikosov δ -Josephson junction in superconducting film. Journal of Physics: Conference Series, 2009, 150, 052228.	0.4	0
16	Effect of Subgrain Structure on the Critical Current Density in HTS Films. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1857-1864.	1.8	0
17	GAP SYMMETRY AND CHARGE DENSITY EXCITATIONS IN HIGH-T _c SUPERCONDUCTORS WITH EXTENDED SADDLE POINTS IN ELECTRON SPECTRUM. Condensed Matter Physics, 1999, 2, 453.	0.7	0
18	Generalized BCS-Type Model for the Acoustic Plasmon Induced D-Wave Superconductivity. , 1999, , 101-107.		0