

Alexei V Semenov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5388605/publications.pdf>

Version: 2024-02-01

18
papers

229
citations

1307594

7
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Features of the temperature dependence and magnetic-field dependence of the critical current density close to the critical temperature in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films. Low Temperature Physics, 2010, 36, 81-91.	0.6	2
3	Magnetic-field dependence of the critical current of Abrikosov " Josephson junction in superconducting film. Journal of Physics: Conference Series, 2009, 150, 052228.	0.4	0
4	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
5	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
6	On the theory of strong pinning in high-temperature superconducting films. Journal of Physics: Conference Series, 2008, 97, 012252.	0.4	1
7	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
8	Features of vortex pinning and magnetic flux creep in epitaxial thin films of high- T_c superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ near the critical temperature. Low Temperature Physics, 2006, 32, 832-837.	0.6	4
9	Peak-effect and angular hysteresis in $J_c(H, \hat{\mu})$ dependencies for $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ epitaxial films. Journal of Physics: Conference Series, 2006, 43, 674-677.	0.4	0
10	Magnetic flux creep in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ high- T_c superconducting thin films near the critical temperature. Low Temperature Physics, 2006, 32, 205-213.	0.6	4
11	Supercurrent transport in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ epitaxial thin films in a dc magnetic field. Physical Review B, 2006, 73, .	3.2	105
12	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
13	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
14	Nature of magnetic field and angular dependencies of the critical current density in epitaxial HTS $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films. Physica C: Superconductivity and Its Applications, 2003, 388-389, 431-432.	1.2	6
15	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
16	Magnetic-field and temperature dependence of the critical current in thin epitaxial films of the high-temperature superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Low Temperature Physics, 2002, 28, 172-183.	0.6	30
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