

Viktor V Chabanenko

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Steps Magnetic Flux Entrance/Exit at Thermomagnetic Avalanches in the Plates of Hard Superconductors. <i>Materials</i> , 2022, 15, 2037.	2.9	1
2	Magnetic moment inversion at giant flux jump: dynamical property of critical state in type-II superconductors. <i>Scientific Reports</i> , 2019, 9, 6233.	3.3	3
3	The magnetic properties of C-Ni carbon-metal complexes. <i>Low Temperature Physics</i> , 2017, 43, 625-630.	0.6	2
4	Oscillations of a single Abrikosov vortex in hard type-II superconductors. <i>Low Temperature Physics</i> , 2017, 43, 670-682.	0.6	2
5	Emulating rough flux patterns in type-II superconducting cylinders using the elliptic critical-state model. <i>Journal of Applied Physics</i> , 2017, 122, 143904.	2.5	1
6	Transformation of the critical state in hard superconductors resulting from thermomagnetic avalanches. <i>Low Temperature Physics</i> , 2016, 42, 239-257.	0.6	4
7	Obtaining a Rough Flux Front in Type-II Superconductors Using a Critical State Model. <i>Acta Physica Polonica A</i> , 2016, 130, 645-648.	0.5	2
8	Threshold Field for Runaway Instability of Bilayer Hard Type-II Superconductor. <i>Journal of Low Temperature Physics</i> , 2015, 179, 75-82.	1.4	2
9	Magnetic field penetration in MgB ₂ single crystals: Pinning and Meissner holes. <i>Low Temperature Physics</i> , 2014, 40, 621-625.	0.6	2
10	Boundaries of the critical state stability in a hard superconductor Nb ₃ Al in the H-T plane. <i>Low Temperature Physics</i> , 2013, 39, 329-337.	0.6	0
11	The Reversal of the Local Magnetic Field Profile at the Surface of Superconducting Sample Caused by the Thermomagnetic Avalanche. <i>Journal of Low Temperature Physics</i> , 2009, 154, 55-67.	1.4	4
12	Giant Magnetostriction and Flux Jumps in Superconducting Nb ₃ Al Polycrystalline Slab. <i>Journal of Low Temperature Physics</i> , 2005, 139, 239-246.	1.4	6
13	Pinning of the Vortex System and Magnetostriction of Superconductors. <i>Journal of Low Temperature Physics</i> , 2005, 139, 309-330.	1.4	6
14	Manifestation of noncentrality in the EPR spectrum of Fe ³⁺ in polycrystalline substances. <i>Low Temperature Physics</i> , 2004, 30, 956-960.	0.6	4
15	Title is missing!. <i>Journal of Low Temperature Physics</i> , 2003, 130, 425-433.	1.4	7
16	Flux Jumps and H-T Diagram of Instability for MgB ₂ . <i>Journal of Low Temperature Physics</i> , 2003, 130, 175-191.	1.4	41
17	The Structure of Magnetic Avalanches: Experiment and Model for Avalanche Vortex Matter Penetration. <i>Journal of Low Temperature Physics</i> , 2003, 130, 165-174.	1.4	4
18	EPR spectrum of the Fe ³⁺ ion in bromocresol green (C ₂₁ H ₁₄ Br ₄ O ₅ S) and features in the dynamics of the surrounding molecules. <i>Low Temperature Physics</i> , 2002, 28, 49-53.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Excitation of oscillations of the magnetic induction in a Nb-Ti slab as a result of a thermomagnetic flux avalanche. <i>Low Temperature Physics</i> , 2002, 28, 387-390.	0.6	1
20	Oscillation mode in the screening properties of Nb-Ti plate as a result of flux jumps. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 77-81.	1.2	4
21	The structure of vortex matter avalanches in a niobium plate. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 82-86.	1.2	6
22	Role of the field dependence of the heat capacity for the flux jump process in HTSC materials. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 227-231.	1.2	1
23	Superparamagnetic properties of C60Co3 complexes. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 249, 475-480.	2.3	2
24	Superparamagnetic behavior of C60Fe. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 222, 89-96.	2.3	10
25	Magnetothermal instabilities in type II superconductors: The influence of magnetic irreversibility. <i>Journal of Applied Physics</i> , 2000, 88, 5875-5883.	2.5	28
26	Guiding of vortices in YBa2Cu3O7 single crystals with unidirected twins. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 314, 133-138.	1.2	24
27	Pinning induced magnetostriction in ceramic high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 321, 49-58.	1.2	15
28	Observation of an odd longitudinal magnetoresistance in YBa2Cu3O7 single crystals with unidirected twins. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 302, 271-276.	1.2	22
29	H-T phase diagram for the giant magnetic flux jumps in low temperature superconductors and high temperature superconductors. <i>Journal of Applied Physics</i> , 1998, 83, 7324-7326.	2.5	16
30	Experimental observation of a new galvanomagnetic effect in YBaCuO single crystals with unidirected twins. <i>Superconductor Science and Technology</i> , 1998, 11, 1133-1136.	3.5	3
31	The range of giant flux instabilities in the plane in hard superconductors: calculations and experiment. <i>Superconductor Science and Technology</i> , 1998, 11, 1181-1185.	3.5	6
32	Failure of textured YBaCuO samples in the strong magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 289, 211-215.	1.2	6
33	Flux instabilities in textured YBaCuO in strong magnetic fields and stabilization critical state. <i>Physica B: Condensed Matter</i> , 1996, 216, 285-288.	2.7	6
34	Giant magnetostriction and flux instabilities in textured YBaCuO plates. <i>Physica B: Condensed Matter</i> , 1996, 216, 289-290.	2.7	7
35	Reversible mechanism of magnetothermal instabilities in melt-textured YBaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 273, 127-134.	1.2	7