

Alexey Kalinov

List of Publications by Year in descending order

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all docs

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docs citations

65
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Quenched-disorder-induced magnetization jumps in(Sm,Sr)MnO ₃ . Physical Review B, 2004, 70, .	3.2	79
2	Superposition of currents in hard superconductors placed into crossed ac and dc magnetic fields. Solid State Communications, 1996, 97, 833-836.	1.9	58
3	Suppression of the magnetic moment under the action of a transverse magnetic field in hard superconductors. Physical Review B, 2000, 61, 15382-15391.	3.2	44
4	Phase separation in La-Pr manganites and its evolution in a magnetic field. JETP Letters, 2000, 71, 106-110.	1.4	26
5	Phase separation and isotope effect in the ferromagnetic insulating state of thePr1 $\hat{\wedge}$ xCa $\hat{\wedge}$ MnO ₃ system(0.2<x<0.33). Physical Review B, 2003, 68, .	3.2	25
6	Electrodynamics of hard superconductors in crossed magnetic fields. Journal of Experimental and Theoretical Physics, 1997, 84, 592-598.	0.9	21
7	Suppression of magnetic relaxation processes in melt-texturedYBa ₂ Cu ₃ O _x superconductors by a transverse ac magnetic field. Physical Review B, 2005, 71, .	3.2	14
8	Phase diagram and isotope effect in(Pr1 $\hat{\wedge}$ yEu $\hat{\wedge}$)0.7Ca0.3CoO ₃ cobaltites exhibiting spin-state transitions. Physical Review B, 2010, 81, .	3.2	14
9	Size effect in anisotropic hard superconductors. Physica C: Superconductivity and Its Applications, 2001, 350, 152-160.	1.2	12
10	Possible spin-glass state in SmSr-manganites as the origin of the magnetization jumps. Journal of Magnetism and Magnetic Materials, 2006, 300, e399-e402.	2.3	11
11	anisotropy of a.c. magnetic susceptibility and J _c in YBCO bulk textured samples and single crpstals. Applied Superconductivity, 1994, 2, 639-643.	0.5	10
12	Modeling Thermal Process in a Resistive Element of a Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2008, 18, 7-13.	1.7	10
13	Critical current anisotropy in YBCO superconducting samples. Physica C: Superconductivity and Its Applications, 1998, 309, 284-294.	1.2	9
14	Pinning by twin boundaries and peak effect in YBaCuO high-T _c superconductors. Journal of Experimental and Theoretical Physics, 1997, 84, 1177-1185.	0.9	8
15	AC Magnetization Loss of a YBCO Coated Conductor Measured Using Three Different Techniques. IEEE Transactions on Applied Superconductivity, 2011, 21, 3293-3296.	1.7	8
16	Jumps of the electric field on the surface of a hard superconductor. Solid State Communications, 1995, 93, 697-700.	1.9	6
17	Colossal magnetoresistance and relaxation phenomena. Journal of Physics Condensed Matter, 1998, 10, 9769-9782.	1.8	6
18	Electrodynamic features of anisotropic hard superconductors. Journal of Experimental and Theoretical Physics, 2001, 93, 1105-1112.	0.9	6

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19	Study of Low Loss Experimental Superconducting Nb-Ti Wires to be used in FAIR Magnets. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	6
20	Suppression of the magnetic moment of a hard superconductor under the action of a transverse magnetic field. Physica B: Condensed Matter, 2000, 284-288, 863-864.	2.7	5
21	A new type of peak effect in the magnetization of anisotropic superconductors. JETP Letters, 2001, 73, 285-288.	1.4	5
22	Pr _{1-x} Ca _x MnO ₃ system in the crossover region between different kinds of magnetic ordering. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 306-308.	2.3	5
23	Simple calibration free method to measure ac magnetic moment and losses. Journal of Physics: Conference Series, 2008, 97, 012032.	0.4	5
24	MOCVD Grown Thin Film Nanocomposites Based on YBCO with Columnar Defects Comprised of Self-Assembled Inclusions. ECS Transactions, 2009, 25, 1185-1190.	0.5	5
25	Effect of Eu doping and partial oxygen isotope substitution on magnetic phase transitions in (Pr _{1-y} T _y) ₂ ETQq ₁ 1 _{0,9} BT / Over	0.784314	5
26	SPICE model of high-temperature superconducting tape: application to resistive fault-current limiter. Superconductor Science and Technology, 2017, 30, 054002.	3.5	5
27	A Superconducting Fault Current Limiter with a Power of 16 MV A. Russian Electrical Engineering, 2019, 90, 125-129.	0.6	5
28	Interaction of electromagnetic waves in hard superconductors. Physica C: Superconductivity and Its Applications, 1995, 251, 50-60.	1.2	4
29	Development of macroturbulent instability in a YBCO single crystal. Low Temperature Physics, 2009, 35, 627-631.	0.6	4
30	Correlation of phase diagrams and spontaneous magnetization jumps in low-bandwidth manganites. Journal of Physics: Conference Series, 2009, 150, 042081.	0.4	4
31	Thermal behavior of 2G HTS tape for use in resistive fault current limiters. Journal of Physics: Conference Series, 2010, 234, 032001.	0.4	4
32	Thermoelectric instability induced by single pulses and alternating currents in second-generation superconducting tapes. Low Temperature Physics, 2011, 37, 101-106.	0.6	4
33	Superconducting fault current limiter for railway transport. Physics of Atomic Nuclei, 2015, 78, 1654-1657.	0.4	4
34	Effect of the Rate of the Rise in Current on Transient Processes in a Superconducting Fault Current Limiter. Technical Physics, 2018, 63, 26-31.	0.7	4
35	Synthesis of (Hg,Pb)(Sr,Ba) ₂ Ca ₂ Cu ₃ O _z superconducting films via MOCVD and PLD. Physica C: Superconductivity and Its Applications, 2002, 383, 37-42.	1.2	2
36	Collapse of static magnetization of type II anisotropic superconductors. Journal of Experimental and Theoretical Physics, 2003, 97, 144-153.	0.9	2

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37	Role of structural anisotropy in electrodynamics of single domain textured crystals. Journal of Applied Physics, 2003, 93, 1677-1683.	2.5	2
38	Applicability of the power-law current-voltage characteristics to melt-textured YBa ₂ Cu ₃ O _{7-x} superconductors. Applied Physics Letters, 2004, 84, 553-555.	3.3	2
39	Heat transfer features from copper and HTS tapes to liquid nitrogen by a step-wise current pulse. Thermal Engineering (English Translation of Teploenergetika), 2011, 58, 1192-1195.	0.9	2
40	A superconducting direct-current limiter with a power of up to 8 MVA. Physics of Atomic Nuclei, 2016, 79, 1577-1584.	0.4	2
41	Nonlocal critical state model for hard superconductors. Applied Superconductivity, 1994, 2, 657-659.	0.5	1
42	Losses in Bi-2223/Ag tapes and in the 1 kA AC transmission line model. Superconductor Science and Technology, 1999, 12, 24-35.	3.5	1
43	The anisotropic response of the single crystal and textured HTS to the rotating AC magnetic field. Physica B: Condensed Matter, 2000, 284-288, 861-862.	2.7	1
44	Quenched-Disorder-Induced Magnetization Jumps in (Sm,Sr)MnO ₃ . AIP Conference Proceedings, 2006, , .	0.4	1
45	Suppression of magnetic relaxation by a transverse alternating magnetic field. Journal of Experimental and Theoretical Physics, 2007, 105, 278-282.	0.9	1
46	Correlation between phase diagrams and spontaneous magnetization jumps in narrow-band manganites. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1061-1062.	0.6	1
47	Temperature rise in a model of resistive HTS element of a fault current limiter. Journal of Physics: Conference Series, 2008, 97, 012035.	0.4	1
48	Isotope effect and characteristic features of the phase diagram for cobaltites with spin-state transitions. Journal of Experimental and Theoretical Physics, 2010, 111, 189-193.	0.9	1
49	Flux creep, shielding current and irreversibility field in Kr irradiated Bi ₂ Sr ₂ CaCu ₂ O _x single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 3107-3108.	1.2	0
50	Investigation on different contributions to the magnetic irreversibility in Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals. European Physical Journal D, 1996, 46, 1597-1598.	0.4	0
51	Stratification of currents in hard superconductors in crossed ac and dc magnetic fields. European Physical Journal D, 1996, 46, 1601-1602.	0.4	0
52	Experimental study of the irreversible magnetization in a single crystal. Superconductor Science and Technology, 1997, 10, 203-208.	3.5	0
53	AC losses in Bi-2223 tapes and in the 1-kA transmission line model. IEEE Transactions on Applied Superconductivity, 1999, 9, 1265-1268.	1.7	0
54	Collapse of the Static Magnetization in Anisotropic Hard Superconductors. Modern Physics Letters B, 2003, 17, 597-605.	1.9	0

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55	Inhomogeneous ferromagnetic insulating state and isotope effect in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1802-1804.	2.3	0
56	Suppression of Magnetic Relaxation Processes by a Transverse ac Magnetic Field. AIP Conference Proceedings, 2006, , .	0.4	0
57	Contact-free determination of the current-voltage law parameters for melt-textured YBCO superconductors in orthogonal magnetic field. Solid State Communications, 2006, 138, 157-159.	1.9	0
58	Peculiarities of magnetic field-induced ferromagnetic ordering in narrow-band manganites. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 605-607.	0.6	0
59	Anisotropy of magnetic properties of $\text{Sm}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$ single crystals. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 670-672.	0.6	0
60	Contactless method for measuring the parameters of the current-voltage characteristic of YBCO superconductors in a perpendicular magnetic field. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1098-1100.	0.6	0
61	Anomalous temperature dependence of magnetic relaxation in $\text{YBa}_2\text{Cu}_2\text{O}_{7-\delta}$ oxygen-deficient single crystals. Journal of Experimental and Theoretical Physics, 2009, 108, 411-416.	0.9	0
62	Manifestation of oxygen ordering in the magnetic relaxation of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Journal of Physics: Conference Series, 2009, 150, 052055.	0.4	0
63	Phase diagram and isotope effect in cobaltites with spin-state transitions. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1345-1347.	0.6	0
64	Phase Diagram of Spin States and Magnetic Interactions in Isotope Substituted $(\text{Pr}_{1-y}\text{Eu}_y)_{1-x}\text{Ca}_x\text{CoO}_{3-\delta}$. Solid State Phenomena, 0, 168-169, 465-468.	0.3	0
65	Effect of Partial Oxygen Isotope Substitution on the Phase Diagram of $(\text{Pr}_{1-y}\text{Eu}_y)_{1-x}\text{Ca}_x\text{CoO}_{3-\delta}$ Cobaltites. Solid State Phenomena, 0, 190, 667-670.	0.3	0