

Konstantin Pigalskiy

List of Publications by Year in descending order

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35
papers

240
citations

933447

10
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	First- and second-order phase transitions and oxygen rearrangement over the Cu1-O4 chains in orthorhombic YBa2Cu3O6+x at low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 1990, 167, 11-19.	1.2	38
2	Proton and oxygen ion conductivity in the pyrochlore/fluorite family of Ln2âˆ™xCaxScMO7âˆ™Î (Ln = La, Tj ETQq0 0 0 rgBT /Overlock 10 T	3.35	28
3	Disordering effects in the atomic structure of fine-crystalline HTSC YBa2Cu3O y. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 1001-1011.	0.9	20
4	Synthesis, properties and phase transitions of pyrochlore- and fluorite-like Ln2RMO7 (Ln=Sm, Ho;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.2	20
5	Tolerance factor as the basic criterion in searching for promising oxygen-ion and proton conductors among Ln2-xDxM2O7-Î (Ln = La-Lu; M= Sn, Ti, Zr, Hf; D= Sr, Ca, Mg; x = 0, 0.1) 3+/4+ pyrochlores. <i>Materials Research Bulletin</i> , 2019, 116, 72-78.	5.2	16
6	Interplane redistribution of oxygen in fine-grained HTSC. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 415, 29-39.	1.2	15
7	Hysteresis of the dynamical magnetic permeability of a YBa2Cu3O7âˆ™Î single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 200, 175-182.	1.2	11
8	Enhancement of pseudogap anomalies induced by nanoscale structural inhomogeneity in YBa2Cu3O6.93 high-T c superconductor. <i>JETP Letters</i> , 2015, 102, 662-667.	1.4	11
9	Temperature hysteresis of the elastic modulus and low-temperature local phase transformations of the order-disorder type in the superconductor YBa2Cu3Ox. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 131, 538-540.	2.1	10
10	Surface barrier and magnetic hysteresis of ac permeability in YBaCuO single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 300, 270-280.	1.2	10
11	Dynamic magnetic permeability of a thin, high-T c superconducting wafer. <i>Physics of the Solid State</i> , 1997, 39, 1737-1741.	0.6	7
12	Features of the local structure of fine-grained HTSC YBa2Cu2.985â€Š57Fe0.015Oy. <i>Low Temperature Physics</i> , 2004, 30, 275-283.	0.6	7
13	Equilibrium magnetic characteristics of high-Tc superconductors with allowance for the spatial distribution of the order parameter in the vortex cores. I. Equilibrium magnetization. <i>Low Temperature Physics</i> , 2001, 27, 113-118.	0.6	6
14	Paramagnetism of copperâ€“oxygen chains in high-temperature YBa2Cu3O6 + Î superconductors. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2016, 80, 504-507.	0.6	6
15	Enhancement of intrinsic pinning in the high-temperature superconductor TmBa2Cu3O : Manifestation of the interaction between vortices and a magnetic rare-earth ion. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165916.	2.3	5
16	Mixed state stability range in a YBaCuO single crystal. <i>Low Temperature Physics</i> , 1998, 24, 617-623.	0.6	4
17	Magnetization and Static Magnetic Susceptibility of Fine-Crystalline High-Temperature YBa2Cu3Oy Superconductors Synthesized by the Solâ€“Gel Method. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 908-915.	1.3	4
18	Enhancement of pinning and the peak effect in Y1â€“Fe Ba2Cu3O high-temperature superconductors. <i>Current Applied Physics</i> , 2022, 41, 116-122.	2.4	4

#	ARTICLE	IF	CITATIONS
19	Mixed state and magnetization of a thin type II superconducting film in the applied parallel magnetic field: Variational technique of the inclusion of the contribution from the core of a vortex. JETP Letters, 2015, 101, 168-172.	1.4	3
20	Equilibrium magnetic characteristics of high-Tc superconductors with allowance for the spatial distribution of the order parameter in the vortex cores. II. Vibrational contribution to the dynamic magnetic permeability. Low Temperature Physics, 2001, 27, 119-124.	0.6	2
21	The oxygen content and its ordering in the chain planes in fine-grained HTSC YBa ₂ Cu ₃ O _y . Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1007-1009.	0.6	2
22	Enhancement of the intrinsic pinning by a magnetic field in a single crystal of high-temperature superconductor TmBa ₂ Cu ₃ O _y . Physics of the Solid State, 2017, 59, 450-456.	0.6	2
23	Comparative Study of the Physical Properties of Fine-Crystalline Mechanoactivated and Solâ€“Gel Samples of YBa ₂ Cu ₃ O _{6.92} High-Temperature Superconductors. Russian Journal of Physical Chemistry B, 2020, 14, 986-989.	1.3	2
24	Pinning and near-surface flux dynamics of the YBaCuO single crystal. Physica C: Superconductivity and Its Applications, 1994, 235-240, 3225-3226.	1.2	1
25	Features of the superconducting state and structural disorder in ultrafine particles of the HTSC YBa ₂ Cu ₃ O _y . Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1086-1089.	0.6	1
26	Suppression of hole doping in fine-grained HTSC YBa ₂ Cu ₃ O _y due to structural disordering. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 1136-1139.	0.6	1
27	Evolution of atomic ordering in fine-grained YBa ₂ Cu ₃ O _y high-temperature superconductors and its effect on superconducting transition temperature. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 242-245.	0.6	1
28	Manifestation of pseudogap features in structurally inhomogeneous optimally doped HTSC YBa ₂ Cu ₃ O _{6.92} . Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 770-773.	0.6	1
29	Two Sources of Paramagnetic Curie-Type Contribution to the Normal State Magnetic Susceptibility of HTSC YBa ₂ Cu ₃ O _{6+Î´} . Solid State Phenomena, 2015, 233-234, 161-164.	0.3	1
30	Behavior of Cobalt and Rare-Earth Subsystems in Frustrated Cobaltites DyBaCo ₄ O _{7+Î´} . Physics of the Solid State, 2018, 60, 2507-2516.	0.6	1
31	Origin of different contributions to the magnetic susceptibility of the normal-state YBa ₂ Cu ₃ O _y HTSC. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1101-1103.	0.6	0
32	Dependence of the magnetic and superconducting characteristics of fine-grained HTSCs YBa ₂ Cu ₃ O _y on the degree of structural disorder and type of oxygen vacancy ordering in chain planes. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 547-549.	0.6	0
33	Comparative study of structure disordering effects in fine-crystalline HTSC YBa ₂ Cu ₃ O _{6.9} samples obtained by different methods. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 274-277.	0.6	0
34	Magnetodynamic Studies of Fine-Crystalline YBa ₂ Cu ₃ O _y High-Temperature Superconductor Samples Synthesized by the Solâ€“Gel Method. Russian Journal of Physical Chemistry B, 2018, 12, 1024-1030.	1.3	0
35	Vibrational motion of a vortex lattice induced near the surface of a type-II superconductor by an external low-frequency ac magnetic field. Physical Review B, 2021, 103, .	3.2	0