

Tatyana B Charikova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quasi-two-dimensional transport properties of the layered superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. Journal of Experimental and Theoretical Physics, 2007, 105, 626-635.	0.9	24
2	Doping effect on the anomalous behavior of the Hall effect in electron-doped superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. Physica C: Superconductivity and Its Applications, 2012, 483, 113-118.	1.2	16
3	The interplay of superconductivity and localization in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ single crystal films. Physica C: Superconductivity and Its Applications, 2002, 383, 207-213.	1.2	15
4	Upper critical field in electron-doped cuprate superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$: Two-gap model. Physica C: Superconductivity and Its Applications, 2013, 488, 25-29.	1.2	15
5	Anisotropic temperature dependence of normal state resistivity in underdoped region of a layered electron-doped superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. Low Temperature Physics, 2019, 45, 217-223.	0.6	9
6	Transport properties of $\text{Nd}_{1.85}\text{Ce}_{0.15}$ single crystals: The narrow-band model. Journal of Superconductivity and Novel Magnetism, 1996, 9, 27-32.	0.5	8
7	Effect of the nonstoichiometric disorder on the temperature dependence of the upper critical field in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ electron superconductors. JETP Letters, 2008, 88, 123-126.	1.4	8
8	Resistivity tensor correlations in the mixed state of electron-doped superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll" $\langle \rho_{xx} \rangle \langle \rho_{yy} \rangle \langle \rho_{xy} \rangle \langle \rho_{yx} \rangle \langle \rho_{zz} \rangle \langle \rho_{xz} \rangle \langle \rho_{zx} \rangle$	1.4	8
9	In-plane and out-of-plane temperature dependencies of the resistivity in single crystals and films of Nd_2CuO_4 . Physica C: Superconductivity and Its Applications, 2003, 388-389, 323-324.	1.2	7
10	Effect of disorder on the transport properties of the high- T_c superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. Journal of Experimental and Theoretical Physics, 2001, 92, 1084-1089.	0.9	6
11	Superconductivity and Localization in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. Modern Physics Letters B, 2003, 17, 701-707.	1.9	6
12	On the bonding situation in TlCo_2Se_2 . Journal of Physics Condensed Matter, 2006, 18, 1757-1768.	1.8	6
13	Effects of d-wave pairing in n-type high-temperature superconductors with anisotropic impurity scattering. Physics of the Solid State, 2009, 51, 2229-2234.	0.6	6
14	Incoherent interlayer transport in single-crystal films of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4/\text{SrTiO}_3$. Journal of Physics: Conference Series, 2018, 993, 012002.	0.4	6
15	Effect of nonstoichiometric disorder on the transport properties of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ single crystal films. Physica C: Superconductivity and Its Applications, 2004, 408-410, 372-373.	1.2	5
16	On the nature of the anisotropy of the resistivity of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ with different cerium and oxygen concentrations. Low Temperature Physics, 2004, 30, 885-890.	0.6	5
17	Upper Critical Field in Electron-Doped Superconductor with Nonstoichiometric Disorder near Antiferromagnetic-Superconducting Phase Boundary. Solid State Phenomena, 2014, 215, 77-82.	0.3	5
18	Anisotropy of the Hall Effect in a Quasi-Two-Dimensional Electron-Doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ Superconductor. Physics of the Solid State, 2018, 60, 2162-2165.	0.6	4

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19	Peculiarities of galvanomagnetic and thermoelectric properties of $\text{YBa}_2\text{xLaxCu}_3\text{O}_{7-\delta}$ solid solutions. <i>Physica Status Solidi A</i> , 1989, 115, 267-272.	1.7	3
20	Correlation between the Hall Resistance and Magnetoresistance in the Mixed State of an $\text{Nd}_2\text{xCe}_x\text{CuO}_4 + \delta$ Electronic Superconductor. <i>Physics of Metals and Metallography</i> , 2017, 118, 1184-1191.	1.0	3
21	Magnetic susceptibility anisotropy of electron overdoped high temperature superconductor $\text{Nd}_2\text{-Ce CuO}_4$. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109770.	4.0	3
22	Effect of Nonstoichiometric Disorder on the Upper Critical Field in Electron Doped $\text{Nd}_2\text{x Ce x CuO}_4 + \delta$ Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 21-24.	1.8	2
23	Estimating the coherence length in the electron-doped superconductor $\text{Nd}_2\text{x Cex CuO}_4 + \delta$. <i>Low Temperature Physics</i> , 2011, 37, 293-295.	0.6	2
24	Magnetoresistance and hall effect in electron-doped superconductor $\text{Nd}_2\text{ x Ce x CuO}_4 + \delta$ with different degrees of nonstoichiometric disorder: A two-band model. <i>Physics of Metals and Metallography</i> , 2014, 115, 446-456.	1.0	2
25	Doping effect on the evolution of the pairing symmetry in n-type superconductor near antiferromagnetic phase boundary. <i>Low Temperature Physics</i> , 2015, 41, 125-128.	0.6	2
26	The mixed-state Hall conductivity of single-crystal films $\text{Nd}_2\text{x Cex CuO}_4 + \delta$ ($x = 0.14$). <i>Low Temperature Physics</i> , 2017, 43, 475-477.	0.6	2
27	Hall Resistivity Correlations in Disordered Electron-Doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+\delta}$. <i>Journal of Low Temperature Physics</i> , 2017, 187, 734-741.	1.4	2
28	Interlayer Hall Effect in n-type doped high temperature superconductor $\text{Nd}_2\text{x Ce CuO}_4 + \delta$. <i>Physica C: Superconductivity and Its Applications</i> , 2019, 566, 1353515.	1.2	2
29	Anisotropy of the critical current density in a layered electron-doped superconductor $\text{Nd}_2\text{x Ce x CuO}_4 + \delta$. <i>Low Temperature Physics</i> , 2019, 45, 212-216.	0.6	2
30	Behaviour of both in-plane and out-of-plane resistivities of $\text{Nd}_2\text{x Cex CuO}_4$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1561-1562.	1.2	1
31	Influence of the doping on anisotropy of the transport properties in layered and single crystals. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 445-447.	2.7	1
32	Electrical resistance and magnetic properties of double-doped ceramics $\text{La}_{1.85}\text{xSr}_{0.15+4x}\text{Cu}_{1-x}\text{MnxO}_4$. <i>Low Temperature Physics</i> , 2007, 33, 257-263.	0.6	1
33	Anisotropy of transport properties of layered superconductors $\text{Nd}_2\text{x Ce x CuO}_4 + \delta$ and $\text{Ca}_2\text{ x Sr x RuO}_4$. <i>Physics of Metals and Metallography</i> , 2007, 104, 67-80.	1.0	1
34	Anomalous Hall effect in electron-doped $\text{Nd}_2\text{x Cex CuO}_4 + \delta$ superconductor with nonstoichiometric disorder. <i>Low Temperature Physics</i> , 2011, 37, 268-271.	0.6	1
35	Pairing type change upon an increase in the cerium doping level in the $\text{Nd}_2\text{ x Ce x CuO}_4 + \delta$ electronic superconductor. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 496-502.	0.9	1
36	Magnetization in AIII BV semiconductor heterostructures with the depletion layer of manganese. <i>Low Temperature Physics</i> , 2015, 41, 157-159.	0.6	1

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37	Charge transfer features and ferromagnetic order in semiconductor heterostructures δ -doped with manganese. <i>Physics of the Solid State</i> , 2016, 58, 2240-2243.	0.6	1
38	Lateral vortex motion in highly layered electron-doped superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2020, 578, 1353738.	1.2	1
39	Effect of nonstoichiometric disorder on the Hall coefficient in electron-doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ single crystal films. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S221-S222.	1.2	0
40	Magnetoresistivity and Hall Effect in Mixed and Normal States of Electron-Doped Superconductor $\text{Nd}_{1-x}\text{Ce}_x\text{CuO}_{4+\delta}$ with Nonstoichiometric Disorder. <i>Solid State Phenomena</i> , 0, 168-169, 537-540.	0.3	0
41	Scaling in the Quantum Hall Regime for a Double Quantum Well Nanostructure in High Magnetic Field. <i>Solid State Phenomena</i> , 2014, 215, 208-213.	0.3	0
42	Anomalous Temperature Dependence of the Upper Critical Magnetic Field in Electron-Doped High-Temperature Superconductor. <i>Solid State Phenomena</i> , 2015, 233-234, 729-732.	0.3	0