

# Tatyana B Charikova

## List of Publications by Year in descending order

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42  
papers

193  
citations

1307594

7  
h-index

1199594

12  
g-index

42  
all docs

42  
docs citations

42  
times ranked

102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic susceptibility anisotropy of electron overdoped high temperature superconductor Nd <sub>2</sub> -Ce CuO <sub>4</sub> . Journal of Physics and Chemistry of Solids, 2021, 148, 109770.	4.0	3
2	Lateral vortex motion in highly layered electron-doped superconductor Nd <sub>2</sub> <sup>x</sup> Ce CuO <sub>4</sub> . Physica C: Superconductivity and Its Applications, 2020, 578, 1353738.	1.2	1
3	Interlayer Hall Effect in n-type doped high temperature superconductor Nd <sub>2</sub> <sup>x</sup> Ce CuO <sub>4</sub> + $\delta$ . Physica C: Superconductivity and Its Applications, 2019, 566, 1353515.	1.2	2
4	Anisotropy of the critical current density in a layered electron-doped superconductor Nd <sub>2</sub> <sup>x</sup> Ce CuO <sub>4</sub> + $\delta$ . Low Temperature Physics, 2019, 45, 212-216.	0.6	2
5	Anisotropic temperature dependence of normal state resistivity in underdoped region of a layered electron-doped superconductor Nd <sub>2</sub> <sup>x</sup> CeCuO <sub>4</sub> . Low Temperature Physics, 2019, 45, 217-223.	0.6	9
6	Anisotropy of the Hall Effect in a Quasi-Two-Dimensional Electron-Doped Nd <sub>2</sub> <sup>x</sup> CeCuO <sub>4</sub> + $\delta$ Superconductor. Physics of the Solid State, 2018, 60, 2162-2165.	0.6	4
7	Incoherent interlayer transport in single-crystal films of Nd <sub>2</sub> -xCeCuO <sub>4</sub> /SrTiO <sub>3</sub> . Journal of Physics: Conference Series, 2018, 993, 012002.	0.4	6
8	The mixed-state Hall conductivity of single-crystal films Nd <sub>2</sub> <sup>x</sup> CeCuO <sub>4</sub> + $\delta$ ( $x \approx 0.14$ ). Low Temperature Physics, 2017, 43, 475-477.	0.6	2
9	Hall Resistivity Correlations in Disordered Electron-Doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+\delta}$ . Journal of Low Temperature Physics, 2017, 187, 734-741.	1.4	2
10	Correlation between the Hall Resistance and Magnetoresistance in the Mixed State of an Nd <sub>2</sub> <sup>x</sup> Ce CuO <sub>4</sub> + $\delta$ Electronic Superconductor. Physics of Metals and Metallography, 2017, 118, 1184-1191.	1.0	3
11	Charge transfer features and ferromagnetic order in semiconductor heterostructures $\delta$ -doped with manganese. Physics of the Solid State, 2016, 58, 2240-2243.	0.6	1
12	Resistivity tensor correlations in the mixed state of electron-doped superconductor Nd <sub>2</sub> <sup>x</sup> Ce CuO <sub>4</sub> + $\delta$ . Journal of Low Temperature Physics, 2015, 175, 103-110.	0.6	1
13	Magnetization in AlInBV semiconductor heterostructures with the depletion layer of manganese. Low Temperature Physics, 2015, 41, 157-159.	0.6	1
14	Doping effect on the evolution of the pairing symmetry in n-type superconductor near antiferromagnetic phase boundary. Low Temperature Physics, 2015, 41, 125-128.	0.6	2
15	Anomalous Temperature Dependence of the Upper Critical Magnetic Field in Electron-Doped High-Temperature Superconductor. Solid State Phenomena, 2015, 233-234, 729-732.	0.3	0
16	Magnetoresistance and hall effect in electron-doped superconductor Nd <sub>2</sub> <sup>x</sup> Ce CuO <sub>4</sub> + $\delta$ with different degrees of nonstoichiometric disorder: A two-band model. Physics of Metals and Metallography, 2014, 115, 446-456.	1.0	2
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	Scaling in the Quantum Hall Regime for a Double Quantum Well Nanostructure in High Magnetic Field. Solid State Phenomena, 2014, 215, 208-213.	0.3	0

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19	Upper critical field in electron-doped cuprate superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ : Two-gap model. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 488, 25-29.	1.2	15
20	Doping effect on the anomalous behavior of the Hall effect in electron-doped superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ . <i>Physica C: Superconductivity and Its Applications</i> , 2012, 483, 113-118.	1.2	16
21	Pairing type change upon an increase in the cerium doping level in the $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ electronic superconductor. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 496-502.	0.9	1
22	Anomalous Hall effect in electron-doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ superconductor with nonstoichiometric disorder. <i>Low Temperature Physics</i> , 2011, 37, 268-271.	0.6	1
23	Estimating the coherence length in the electron-doped superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ . <i>Low Temperature Physics</i> , 2011, 37, 293-295.	0.6	2
24	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
25	Effect of Nonstoichiometric Disorder on the Upper Critical Field in Electron Doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 21-24.	1.8	2
26	Effects of d-wave pairing in n-type high-temperature superconductors with anisotropic impurity scattering. <i>Physics of the Solid State</i> , 2009, 51, 2229-2234.	0.6	6
27	Effect of the nonstoichiometric disorder on the temperature dependence of the upper critical field in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ electron superconductors. <i>JETP Letters</i> , 2008, 88, 123-126.	1.4	8
28	Electrical resistance and magnetic properties of double-doped ceramics $\text{La}_{1.85-x}\text{Sr}_{0.15+4x}\text{Cu}_{1-x}\text{Mn}_x\text{O}_4$ . <i>Low Temperature Physics</i> , 2007, 33, 257-263.	0.6	1
29	Anisotropy of transport properties of layered superconductors $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ and $\text{Ca}_2-x\text{Sr}_x\text{RuO}_4$ . <i>Physics of Metals and Metallography</i> , 2007, 104, 67-80.	1.0	1
30	Quasi-two-dimensional transport properties of the layered superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ . <i>Journal of Experimental and Theoretical Physics</i> , 2007, 105, 626-635.	0.9	24
31	On the bonding situation in $\text{TlCo}_2\text{Se}_2$ . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1757-1768.	1.8	6
32	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
33	Effect of nonstoichiometric disorder on the transport properties of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ single crystal films. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 372-373.	1.2	5
34	On the nature of the anisotropy of the resistivity of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ with different cerium and oxygen concentrations. <i>Low Temperature Physics</i> , 2004, 30, 885-890.	0.6	5
35	In-plane and out-of-plane temperature dependencies of the resistivity in single crystals and films of $\text{Nd}_2\text{CuO}_4$ . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 323-324.	1.2	7
36	Superconductivity and Localization in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4+\delta$ . <i>Modern Physics Letters B</i> , 2003, 17, 701-707.	1.9	6

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37	The interplay of superconductivity and localization in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+\delta}$ single crystal films. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 383, 207-213.	1.2	15
38	Effect of disorder on the transport properties of the high- $T_c$ superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+\delta}$ . <i>Journal of Experimental and Theoretical Physics</i> , 2001, 92, 1084-1089.	0.9	6
39	Behaviour of both in-plane and out-of-plane resistivities of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1561-1562.	1.2	1
40	Transport properties of $\text{Nd}_{1.85}\text{Ce}_{0.15}$ single crystals: The narrow-band model. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 27-32.	0.5	8
41	Peculiarities of galvanomagnetic and thermoelectric properties of $\text{YBa}_{2-x}\text{La}_x\text{Cu}_3\text{O}_{7-\delta}$ solid solutions. <i>Physica Status Solidi A</i> , 1989, 115, 267-272.	1.7	3
42	Magnetoresistivity and Hall Effect in Mixed and Normal States of Electron-Doped Superconductor $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+\delta}$ with Nonstoichiometric Disorder. <i>Solid State Phenomena</i> , 0, 168-169, 537-540.	0.3	0