

G Ya Khadzhai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of praseodymium on the electrical resistance of $Yb_{0.95}Pr_{0.05}Ba_2Cu_3O_{7-\delta}$ single crystals. Solid State Communications, 2014, 190, 18-22.	1.9	54
2	Resistive measurements of the pseudogap in lightly Pr-doped $Y_{1-y}Ba_{2-y}Cu_3O_{7-\delta}$ single crystals. Solid State Communications, 2015, 204, 64-66.	1.9	48
3	Fluctuation conductivity of oxygen underdoped $YBa_2Cu_3O_{7-\delta}$ single crystals. Physica B: Condensed Matter, 2014, 436, 88-90.	2.7	47
4	Relaxation of the normal electrical resistivity induced by high-pressure in strongly underdoped $YBa_2Cu_3O_{7-\delta}$ single crystals. Physica B: Condensed Matter, 2012, 407, 4470-4472.	2.7	45
5	Effect of high pressure on the fluctuation paraconductivity in $Y_{0.95}Pr_{0.05}Ba_2Cu_3O_{7-\delta}$ single crystals. Current Applied Physics, 2014, 14, 1779-1782.	2.4	45
6	Transverse conductivity in $Pr_{1-y}Y_yBa_{2-2y}Cu_{3-3y}O_{7-\delta}$ single crystals in a wide range of praseodymium concentrations. Applied Physics A: Materials Science and Processing, 2014, 117, 997-1002.	2.3	44
7	Effect of high pressure on the electrical resistivity of optimally doped $YBa_2Cu_3O_{7-\delta}$ single crystals with unidirectional planar defects. Physica B: Condensed Matter, 2013, 422, 33-35.	2.7	40
8	Evolution of the electrical resistance of $YBa_2Cu_3O_{7-\delta}$ single crystals in the course of long-term aging. Journal of Materials Science: Materials in Electronics, 2014, 25, 5226-5230.	2.2	38
9	Effect of defects on the basal-plane resistivity of $YBa_2Cu_3O_{7-\delta}$ and $Y_{1-y}Pr_yBa_2Cu_3O_{7-x}$ single crystals. Journal of Materials Science: Materials in Electronics, 2015, 26, 1435-1440.	2.2	22
10	Effect of electron irradiation on the pseudogap temperature dependence of $YBa_2Cu_3O_{7-\delta}$. Journal of Materials Science: Materials in Electronics, 2017, 28, 15886-15890.	2.2	22
11	Influence of planar and point defects on the basal-plane conductivity of $HoBaCuO$ single crystals. Physica C: Superconductivity and Its Applications, 2015, 516, 58-61.	1.2	20
12	Conductivity of single-crystal $Y_{1-y}Pr_yBa_2Cu_3O_{7-\delta}$ over a wide range of temperatures and Pr concentrations. Low Temperature Physics, 2014, 40, 488-491.	0.6	16
13	Modification of superconducting and resistive properties of $HoBa_2Cu_3O_{7-\delta}$ single crystals under application-removal of high hydrostatic pressure. Modern Physics Letters B, 2016, 30, 1650188.	1.9	16
14	Phase segregation and the effect of high pressure on the electro-transport in $Y_{0.95}Pr_{0.05}Ba_2Cu_3O_{7-\delta}$ single crystals. Modern Physics Letters B, 2014, 28, 1450142.	1.9	16
15	Room-temperature annealing effects on the basal-plane resistivity of optimally doped $YBa_2Cu_3O_{7-\delta}$ single crystals. Physica C: Superconductivity and Its Applications, 2018, 545, 14-17.	1.2	15
16	Transverse conductivity in $Y_{1-y}Pr_yBa_2Cu_3O_{7-\delta}$ single crystals. Materials Research Express, 2014, 1, 026303.	1.6	14
17	Charge and heat transfer of the Ti_3AlC_2 MAX phase. Journal of Materials Science: Materials in Electronics, 2018, 29, 11478-11481.	2.2	11
18	Effect of electron irradiation on the fluctuation conductivity in $YBa_2Cu_3O_{7-\delta}$ single crystals. Journal of Materials Science: Materials in Electronics, 2018, 29, 7725-7729.	2.2	10

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19	Effect of electron irradiation and Pr doping on the charge transport in YBCO single crystals. Solid State Communications, 2018, 282, 5-8.	1.9	8
20	Evolution of the electrical resistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ with $x \approx 0.45$ under high hydrostatic pressures. Low Temperature Physics, 2012, 38, 255-257.	0.6	7
21	Electrical and thermal conductivity of the Ti_3AlC_2 MAX phase at low temperatures. Low Temperature Physics, 2018, 44, 451-452.	0.6	7
22	Conductivity anisotropy in $\text{Y}_{1-y}\text{Pr}_y\text{Ba}_2\text{Cu}_3\text{O}_7$ crystals in a wide range of praseodymium concentrations. Modern Physics Letters B, 2014, 28, 1450245.		
23	Conductivity relaxation in strongly underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physica B: Condensed Matter, 2017, 518, 47-50.		
24	Effect of electron irradiation on the transverse conductivity of the $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystal. Low Temperature Physics, 2019, 45, 135-138.	0.6	6
25	Resistivity anisotropy in YBCO single crystals irradiated with fast electrons. Physica B: Condensed Matter, 2019, 566, 121-124.	2.7	6
26	Broadening of the superconducting transition in single crystal $\text{YBa}_2\text{Cu}_3\text{O}_7$. Low Temperature Physics, 2017, 43, 1119-1121.	0.6	5
27	Tuning electric charge scattering in YBCO single crystals via irradiation with MeV electrons. Journal of Materials Science: Materials in Electronics, 2019, 30, 241-245.	2.2	5
28	Transverse resistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. Current Applied Physics, 2015, 15, 617-621.	2.4	4
29	Single-file diffusion of oxygen ions in the compound $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Low Temperature Physics, 2016, 42, 936-939.	0.6	4
30	Quenching and room-temperature annealing effects on the conductivity of underdoped $\text{HoBa}_2\text{Cu}_3\text{O}_{7-x}$. Modern Physics Letters B, 2018, 32, 1750367.	1.9	4
31	Effect of electron irradiation on the scattering of carriers in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. Low Temperature Physics, 2018, 44, 860-862.	0.6	4
32	Annealing of defects after irradiation of YBCO single crystals with fast electrons. Physica C: Superconductivity and Its Applications, 2019, 565, 1353507.	1.2	4
33	Transverse resistance in $\text{Y}_{1-y}\text{Pr}_y\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ at large praseodymium concentrations. Physica B: Condensed Matter, 2014, 451, 84-86.	2.7	3
34	Electric Charge Transfer and Scattering of Its Carriers in Cuprates of the La_2CuO_4 System. Journal of Low Temperature Physics, 2016, 183, 59-68.	1.4	3
35	Enhanced oxygen diffusion in nano-structured ceria. Journal of Materials Science: Materials in Electronics, 2018, 29, 4743-4748.	2.2	3
36	The effect of annealing on the transverse electrotransport in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals irradiated with high-energy electrons. Low Temperature Physics, 2019, 45, 1137-1139.	0.6	3

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37	Influence of defects on anisotropy of electrical resistivity in $\text{YBa}_{2-x}\text{Cu}_{3-y}\text{O}_{7-\delta}$. Journal of Materials Science: Materials in Electronics, 2020, 31, 7708-7714.	2.2	3
38	Influence of Uniform Compression on the Temperature Dependence of the Pseudogap of Medium-Praseodymium-Doped $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ Single Crystals. Journal of Low Temperature Physics, 2021, 203, 430-436.	1.4	3
39	Electron transport and stability of the oxygen subsystem of $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals upon prolonged exposure to air. Low Temperature Physics, 2014, 40, 1044-1047.	0.6	2
40	Redistribution of oxygen ions in single crystal $\text{YBa}_2\text{Cu}_3\text{O}_7$ owing to external hydrostatic pressure. Low Temperature Physics, 2018, 44, 41-44.	0.6	2
41	Influence of annealing on the electrical resistance of YBCO single crystals. Journal of Materials Science: Materials in Electronics, 2018, 29, 6601-6606.	2.2	2
42	Evolution of the transverse electrical resistivity of $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals under irradiation with high-energy electrons. Low Temperature Physics, 2019, 45, 785-788.	0.6	2
43	Incoherent charge transport induced by irradiation of YBCO single crystals with MeV electrons. Journal of Materials Science: Materials in Electronics, 2019, 30, 4766-4769.	2.2	2
44	Suppression of vortex lattice melting in YBCO via irradiation with fast electrons. Journal of Materials Science: Materials in Electronics, 2019, 30, 6688-6692.	2.2	2
45	The effect of high-temperature annealing on the temperature dependence of the pseudogap of $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals irradiated with high-energy electrons. Low Temperature Physics, 2019, 45, 1218-1221.	0.6	2
46	Effect of high pressure on conductivity in the basal plane of $\text{Y}_{1-4x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals lightly doped of praseodymium. Functional Materials, 2015, 22, 5-13.	0.1	2
47	Suppression of superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals upon irradiation with fast electrons. Low Temperature Physics, 2022, 48, 271-273.	0.6	2
48	Effect of high pressure on temperature dependences of the resistivity in the ab-plane of $\text{Y}_{0.77}\text{Pr}_{0.23}\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals. Journal of Materials Science: Materials in Electronics, 2022, 33, 9875-9884.	2.2	2
49	Production of high-purity hafnium and the study of some its properties. Russian Metallurgy (Metally), 2011, 2011, 616-621.	0.5	1
50	Electrical resistance relaxation induced by high pressure in single crystals of $\text{YBa}_2\text{Cu}_3\text{O}_7$. Low Temperature Physics, 2013, 39, 530-533.	0.6	1
51	Transverse resistance of $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals with different oxygen deficiency. Low Temperature Physics, 2015, 41, 874-878.	0.6	1
52	Role of twins in variations in the conductivity characteristics of single-crystal $\text{HoBa}_2\text{Cu}_3\text{O}_7$ during reversible changes in hydrostatic pressure. Low Temperature Physics, 2016, 42, 739-744.	0.6	1
53	High pressure-induced relaxation of electrical resistance in weakly doped $\text{D}_{3/4}\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals. Low Temperature Physics, 2019, 45, 465-467.	0.6	1
54	Transverse conductivity and the pseudogap in YBCO single crystals irradiated with fast electrons. Modern Physics Letters B, 2019, 33, 1950233.	1.9	1

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55	Thermal conductivity of Al ₂ O ₃ -SiC nanocomposites prepared by the electroconsolidation method. <i>Low Temperature Physics</i> , 2019, 45, 419-421.	0.6	1
56	Electron irradiation and annealing effects on the pseudogap in optimally doped YBCO single crystals. <i>Modern Physics Letters B</i> , 2020, 34, 2050151.	1.9	1
57	Effect of transverse and longitudinal magnetic field on the excess conductivity of YBa ₂ Cu _{3-z} Al _z O _{7-δ} single crystals with a given topology of plane defects. <i>Functional Materials</i> , 2013, 20, 208-216.	0.1	1
58	Effect of pressure on the critical temperature of single-crystal Y _{0.95} Pr _{0.05} Ba ₂ Cu ₃ O _{7-δ} with a specified planar defect geometry. <i>Low Temperature Physics</i> , 2014, 40, 699-701.	0.6	0
59	Transverse resistance in HoBa ₂ Cu ₃ O _{7-δ} single crystals. <i>Modern Physics Letters B</i> , 2015, 29, 1550232.	1.9	0
60	Diffusion of the superconducting transition in HTSC. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10862-10865.	2.2	0
61	Electrophysical properties of nanoporous cerium dioxide-water system. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2157-2159.	2.2	0
62	Annealing Effects on the Normal-State Resistive Properties of Underdoped Cuprates. <i>Journal of Low Temperature Physics</i> , 2018, 191, 184-193.	1.4	0
63	Some peculiarities of labile oxygen kinetics in underdoped single crystals of YBa ₂ Cu ₃ O _{7-δ} . <i>Low Temperature Physics</i> , 2018, 44, 346-348.	0.6	0
64	Effect of high pressure on various diffusion mechanisms in oxygen-deficient ReBa ₂ Cu ₃ O _{7-δ} (Re = Y, Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	0
65	The effect of the chaotic pinning potential on intrinsic pinning in YBa ₂ Cu ₃ O _{7-δ} single crystals. <i>Low Temperature Physics</i> , 2020, 46, 1063-1069.	0.6	0
66	The effect of irradiation with high-energy electrons on the superconducting transition and the electrical resistivity anisotropy of Y _{0.77} Pr _{0.23} Ba ₂ Cu ₃ O _{7-δ} single crystals. <i>Low Temperature Physics</i> , 2020, 46, 639-642.	0.6	0
67	Short notes: Effect of hydrostatic pressure up to 12 kbar on the electrical resistance of Y _{0.77} Pr _{0.23} Ba ₂ Cu ₃ O _{7-δ} single crystals. <i>Low Temperature Physics</i> , 2021, 47, 166-169.	0.6	0
68	Structure and transport properties of the Fe _{0.5} Ni _{0.5} composite. <i>Low Temperature Physics</i> , 2021, 47, 170-172.	0.6	0
69	Structure-induced features of transport processes in an electroconsolidated FeNi composite. <i>Modern Physics Letters B</i> , 2021, 35, 2150425.	1.9	0
70	Scattering of electrons in oxygen underdoped YBa ₂ Cu ₃ O _{7-x} single crystals. <i>Functional Materials</i> , 2014, 21, 137-141.	0.1	0