

G Ya Khadzhai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Suppression of superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals upon irradiation with fast electrons. <i>Low Temperature Physics</i> , 2022, 48, 271-273.	0.6	2
2	Effect of high pressure on temperature dependences of the resistivity in the ab-plane of $\text{Y}_{0.77}\text{Pr}_{0.23}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9875-9884.	2.2	2
3	Short notes: Effect of hydrostatic pressure up to 12 kbar on the electrical resistance of $\text{Y}_{0.77}\text{Pr}_{0.23}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Low Temperature Physics</i> , 2021, 47, 166-169.	0.6	0
4	Structure and transport properties of the $\text{Fe}_{0.5}\text{Ni}_{0.5}$ composite. <i>Low Temperature Physics</i> , 2021, 47, 170-172.	0.6	0
5	Influence of Uniform Compression on the Temperature Dependence of the Pseudogap of Medium-Praseodymium-Doped $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ Single Crystals. <i>Journal of Low Temperature Physics</i> , 2021, 203, 430-436.	1.4	3
6	Structure-induced features of transport processes in an electroconsolidated FeNi composite. <i>Modern Physics Letters B</i> , 2021, 35, 2150425.	1.9	0
7	The effect of the chaotic pinning potential on intrinsic pinning in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Low Temperature Physics</i> , 2020, 46, 1063-1069.	0.6	0
8	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
9	The effect of irradiation with high-energy electrons on the superconducting transition and the electrical resistivity anisotropy of $\text{YD}_{1/2}\text{D}_{1/2}\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Low Temperature Physics</i> , 2020, 46, 639-642.	0.6	0
10	Influence of defects on anisotropy of electrical resistivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7708-7714.	2.2	3
11	High pressure-induced relaxation of electrical resistance in weakly doped $\text{D}_{3/4}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Low Temperature Physics</i> , 2019, 45, 465-467.	0.6	1
12	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. <i>Low Temperature Physics</i> , 2019, 45, 1137-1139.	0.6	3
13	Annealing of defects after irradiation of YBCO single crystals with fast electrons. <i>Physica C: Superconductivity and Its Applications</i> , 2019, 565, 1353507.	1.2	4
14	Transverse conductivity and the pseudogap in YBCO single crystals irradiated with fast electrons. <i>Modern Physics Letters B</i> , 2019, 33, 1950233.	1.9	1
15	Evolution of the transverse electrical resistivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals under irradiation with high-energy electrons. <i>Low Temperature Physics</i> , 2019, 45, 785-788.	0.6	2
16	Incoherent charge transport induced by irradiation of YBCO single crystals with MeV electrons. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4766-4769.	2.2	2
17	Effect of high pressure on various diffusion mechanisms in oxygen-deficient $\text{ReBa}_2\text{Cu}_3\text{O}_{7-x}$ ($\text{Re} = \text{Y}$). <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	1.9	0
18	Effect of electron irradiation on the transverse conductivity of the $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystal. <i>Low Temperature Physics</i> , 2019, 45, 135-138.	0.6	6

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19	Resistivity anisotropy in YBCO single crystals irradiated with fast electrons. <i>Physica B: Condensed Matter</i> , 2019, 566, 121-124.	2.7	6
20	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
21	Suppression of vortex lattice melting in YBCO via irradiation with fast electrons. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6688-6692.	2.2	2
22	The effect of high-temperature annealing on the temperature dependence of the pseudogap of YBa ₂ Cu ₃ O _{7-δ} single crystals irradiated with high-energy electrons. <i>Low Temperature Physics</i> , 2019, 45, 1218-1221.	0.6	2
23	Tuning electric charge scattering in YBCO single crystals via irradiation with MeV electrons. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 241-245.	2.2	5
24	Effect of electron irradiation on the fluctuation conductivity in YBa ₂ Cu ₃ O _{7-δ} single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7725-7729.	2.2	10
25	Redistribution of oxygen ions in single crystal YBa ₂ Cu ₃ O _{7-δ} owing to external hydrostatic pressure. <i>Low Temperature Physics</i> , 2018, 44, 41-44.	0.6	2
26	Influence of annealing on the electrical resistance of YBCO single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6601-6606.	2.2	2
27	Enhanced oxygen diffusion in nano-structured ceria. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4743-4748.	2.2	3
28	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
29	Room-temperature annealing effects on the basal-plane resistivity of optimally doped YBa ₂ Cu ₃ O _{7-δ} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 545, 14-17.	1.2	15
30	Quenching and room-temperature annealing effects on the conductivity of underdoped HoBa ₂ Cu ₃ O _{7-δ} . <i>Modern Physics Letters B</i> , 2018, 32, 1750367.	1.9	4
31	Charge and heat transfer of the Ti ₃ AlC ₂ MAX phase. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11478-11481.	2.2	11
32	Effect of electron irradiation and Pr doping on the charge transport in YBCO single crystals. <i>Solid State Communications</i> , 2018, 282, 5-8.	1.9	8
33	Effect of electron irradiation on the scattering of carriers in YBa ₂ Cu ₃ O _{7-δ} single crystals. <i>Low Temperature Physics</i> , 2018, 44, 860-862.	0.6	4
34	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
35	Electrical and thermal conductivity of the Ti ₃ AlC ₂ MAX phase at low temperatures. <i>Low Temperature Physics</i> , 2018, 44, 451-452.	0.6	7
36	Diffusion of the superconducting transition in HTSC. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10862-10865.	2.2	0

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37	Conductivity relaxation in strongly underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Physica B: Condensed Matter</i> , 2017, 518, 47-50.		
38	Effect of electron irradiation on the pseudogap temperature dependence of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15886-15890.	2.2	22
39	Broadening of the superconducting transition in single crystal $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Low Temperature Physics</i> , 2017, 43, 1119-1121.	0.6	5
40	Electrophysical properties of nanoporous cerium dioxide/water system. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2157-2159.	2.2	0
41	Role of twins in variations in the conductivity characteristics of single-crystal $\text{HoBa}_2\text{Cu}_3\text{O}_{7-x}$ during reversible changes in hydrostatic pressure. <i>Low Temperature Physics</i> , 2016, 42, 739-744.	0.6	1
42	Single-file diffusion of oxygen ions in the compound $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Low Temperature Physics</i> , 2016, 42, 936-939.	0.6	4
43	Modification of superconducting and resistive properties of $\text{HoBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals under application-removal of high hydrostatic pressure. <i>Modern Physics Letters B</i> , 2016, 30, 1650188.	1.9	16
44	Electric Charge Transfer and Scattering of Its Carriers in Cuprates of the La_2CuO_4 System. <i>Journal of Low Temperature Physics</i> , 2016, 183, 59-68.	1.4	3
45	Transverse resistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals with different oxygen deficiency. <i>Low Temperature Physics</i> , 2015, 41, 874-878.	0.6	1
46	Transverse resistance in $\text{HoBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Modern Physics Letters B</i> , 2015, 29, 1550232.	1.9	0
47	Resistive measurements of the pseudogap in lightly Pr-doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Solid State Communications</i> , 2015, 234, 64-66.	1.9	48
48	Effect of defects on the basal-plane resistivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{Pr}_{1-y}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1435-1440.	2.2	22
49	Transverse resistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. <i>Current Applied Physics</i> , 2015, 15, 617-621.	2.4	4
50	Influence of planar and point defects on the basal-plane conductivity of HoBaCuO single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2015, 516, 58-61.	1.2	20
51	Effect of high pressure on conductivity in the basal plane of $\text{Y}_{1-4x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ single crystals lightly doped of praseodymium. <i>Functional Materials</i> , 2015, 22, 5-13.	0.1	2
52	Transverse conductivity in $\text{Pr}_y\text{Y}_{1-y}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ single crystals in a wide range of praseodymium concentrations. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 997-1002.	2.3	44
53	Electron transport and stability of the oxygen subsystem of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals upon prolonged exposure to air. <i>Low Temperature Physics</i> , 2014, 40, 1044-1047.	0.6	2
54	Conductivity of single-crystal $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ over a wide range of temperatures and Pr concentrations. <i>Low Temperature Physics</i> , 2014, 40, 488-491.	0.6	16

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55	Evolution of the electrical resistance of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals in the course of long-term aging. Journal of Materials Science: Materials in Electronics, 2014, 25, 5226-5230.	2.2	38
56	Transverse conductivity in $\text{Y}_{1-y}\text{Pr}_y\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Materials Research Express, 2014, 1, 026303.	1.6	14
57	Fluctuation conductivity of oxygen underdoped $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals. Physica B: Condensed Matter, 2014, 436, 88-90.	2.7	47
58	Effect of pressure on the critical temperature of single-crystal $\text{Y}_{0.95}\text{Pr}_{0.05}\text{Ba}_2\text{Cu}_3\text{O}_7$ with a specified planar defect geometry. Low Temperature Physics, 2014, 40, 699-701.	0.6	0
59	Effect of high pressure on the fluctuation paraconductivity in $\text{Y}_{0.95}\text{Pr}_{0.05}\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals. Current Applied Physics, 2014, 14, 1779-1782.	2.4	45
60	Transverse resistance in $\text{Y}_{1-y}\text{Pr}_y\text{Ba}_2\text{Cu}_3\text{O}_7$ at large praseodymium concentrations. Physica B: Condensed Matter, 2014, 451, 84-86.	2.7	3
61	Phase segregation and the effect of high pressure on the electro-transport in $\text{Y}_{0.95}\text{Pr}_{0.05}\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals. Modern Physics Letters B, 2014, 28, 1450142.		
62	Effect of praseodymium on the electrical resistance of $\text{YD}'\text{D}^{\circ}2\text{D};\text{u}3\text{D}\check{z}7$ single crystals. Solid State Communications, 2014, 190, 18-22.	1.9	54
63	Conductivity anisotropy in $\text{Y}_{1-y}\text{Pr}_y\text{Ba}_2\text{Cu}_3\text{O}_7$ single crystals in a wide range of praseodymium concentrations. Modern Physics Letters B, 2014, 28, 1450245.		
64	Scattering of electrons in oxygen underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals. Functional Materials, 2014, 21, 137-141.	0.1	0
65	Effect of high pressure on the electrical resistivity of optimally doped $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals with unidirectional planar defects. Physica B: Condensed Matter, 2013, 422, 33-35.	2.7	40
66	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
67	Effect of transverse and longitudinal magnetic field on the excess conductivity of $\text{YBa}_2\text{Cu}_3\text{-zAlzO}_7$ single crystals with a given topology of plane defects. Functional Materials, 2013, 20, 208-216.	0.1	1
68	Evolution of the electrical resistance of $\text{YBa}_2\text{Cu}_3\text{O}_7$ with $\delta \approx 0.45$ under high hydrostatic pressures. Low Temperature Physics, 2012, 38, 255-257.	0.6	7
69	Relaxation of the normal electrical resistivity induced by high-pressure in strongly underdoped $\text{YBa}_2\text{Cu}_3\text{O}_7$ single crystals. Physica B: Condensed Matter, 2012, 407, 4470-4472.	2.7	45
70	Production of high-purity hafnium and the study of some its properties. Russian Metallurgy (Metally), 2011, 2011, 616-621.	0.5	1