

# Nikolay R Vovk

## List of Publications by Year in descending order

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papers

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docs citations

17  
times ranked

148  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>c</i> -axis hopping conductivity in heavily Pr-doped YBCO single crystals. Superconductor Science and Technology, 2013, 26, 085017.	3.5	69
2	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
3	Spin-wave eigenmodes in direct-write 3D nanovolcanoes. Applied Physics Letters, 2021, 118, .	3.3	25
4	Spin-wave spectroscopy of individual ferromagnetic nanodisks. Nanoscale, 2020, 12, 21207-21217.	5.6	24
5	Conductivity of single-crystal $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ over a wide range of temperatures and Pr concentrations. Low Temperature Physics, 2014, 40, 488-491.	0.6	16
6	Effect of electron irradiation on the transverse conductivity of the $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystal. Low Temperature Physics, 2019, 45, 135-138.	0.6	6
7	Control of Structural and Magnetic Properties of Polycrystalline $\text{Co}_2\text{FeGe}$ Films via Deposition and Annealing Temperatures. Nanomaterials, 2021, 11, 1229.	4.1	5
8	Quenching and room-temperature annealing effects on the conductivity of underdoped $\text{HoBa}_2\text{Cu}_3\text{O}_{7-\delta}$ . Modern Physics Letters B, 2018, 32, 1750367.	1.9	4
9	Influence of Uniform Compression on the Temperature Dependence of the Pseudogap of Medium-Praseodymium-Doped $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ Single Crystals. Journal of Low Temperature Physics, 2021, 203, 430-436.	1.4	3
10	COEXISTENCE OF DIFFERENT TYPES OF TRANSVERSE CONDUCTIVITY IN $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ SINGLE CRYSTALS WITH DIFFERENT PRASEODYMIUM CONCENTRATIONS. Modern Physics Letters B, 2013, 27, 1350198.	1.9	2
11	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
12	Electrical resistance relaxation induced by high pressure in single crystals of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ . Low Temperature Physics, 2013, 39, 530-533.	0.6	1
13	Effect of Long Aging on the Resistivity Properties of Aluminum Doped $\text{YBa}_2\text{Cu}_3\text{Al}_y\text{O}_{7-\delta}$ Single Crystals with a Given Twin Boundary Topology. Journal of Low Temperature Physics, 2014, 174, 214-221.	1.4	1
14	The possibility of determining the spin-orbit interaction constants using scanning tunneling microscopy. Low Temperature Physics, 2016, 42, 298-307.	0.6	1
15	Evolution of the metal-insulator transition in oxygen nonstoichiometric $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals under pressure. Journal of Materials Science: Materials in Electronics, 2013, 24, 3132-3135.	2.2	0
16	Effect of high pressure on various diffusion mechanisms in oxygen-deficient $\text{ReBa}_2\text{Cu}_3\text{O}_{7-\delta}$ (Re = Y, Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	0
17	The effect of the chaotic pinning potential on intrinsic pinning in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Low Temperature Physics, 2020, 46, 1063-1069.	0.6	0