Oleg G Turutanov

List of Publications by Year
in descending order

33	231	1163117 8	996975 15
papers	citations	h-index	g-index

33	33	33	201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laser scanning microscopy of HTS films and devices (Review Article). Low Temperature Physics, 2006, 32, 592-607.	0.6	54
2	Spatially resolved characterization of superconducting films and cryoelectronic devices by means of low temperature scanning laser microscope. Applied Surface Science, 1996, 106, 390-395.	6.1	33
3	Laser scanning visualization of evolution of vortex instability in current-carrying superconducting strips. European Physical Journal D, 1996, 46, 877-878.	0.4	12
4	Quantum superposition of three macroscopic states and superconducting qutrit detector. Physical Review B, 2012, 85, .	3.2	12
5	Laser scanning imaging and local characterization of superconducting properties in high-Tc thin film multiturn coil. Physica C: Superconductivity and Its Applications, 1994, 232, 93-98.	1.2	11
6	Frequency-tuned microwave photon counter based on a superconductive quantum interferometer. Low Temperature Physics, 2018, 44, 213-220.	0.6	11
7	Giant oscillations of coupling strength in Mo/Si multilayers with constant semiconductor thickness. Physical Review B, 1997, 56, 2372-2375.	3.2	10
8	Spatial characterization of the edge barrier in wide superconducting films. Low Temperature Physics, 2018, 44, 226-232.	0.6	10
9	A low temperature system with a pulse UV laser for scribing HTSC films and single crystals. Applied Surface Science, 1996, 106, 321-325.	6.1	8
10	Stochastic resonance in superconducting loops containing Josephson junctions. Numerical simulation. Low Temperature Physics, 2006, 32, 1123-1130.	0.6	7
11	Superposition of states in flux qubits with a Josephson junction of the ScS type (Review Article). Low Temperature Physics, 2012, 38, 301-310.	0.6	7
12	Isolation of a Josephson qubit from the electromagnetic environment. Low Temperature Physics, 2015, 41, 867-873.	0.6	7
13	Stochastic resonance in an RF SQUID with shunted ScS junction. Physica A: Statistical Mechanics and Its Applications, 2014, 396, 1-8.	2.6	6
14	A wideband radio-frequency amplifier for investigations at temperatures from 300 to 0.1 K. Instruments and Experimental Techniques, 2015, 58, 478-482.	0.5	6
15	On the possibility of faster detection of magnetic flux changes in a single-photon counter by RF SQUID with MoReâ€“Si(W)â€“MoRe junction. Low Temperature Physics, 2019, 45, 776-784.	0.6	6
16	Stochastic resonance-based input circuits for SQUIDs. Physica C: Superconductivity and Its Applications, 2002, 372-376, 237-239.	1.2	5
17	Measurement of brightness temperature of two-dimensional electron gas in channel of a high electron mobility transistor at ultralow dissipation power. Solid-State Electronics, 2016, 121, 20-24.	1.4	5
18	Small capacitance self-shunted MoReâ€“Si(W)â€“MoRe junctions for SQUIDs applications. Applied Nanoscience (Switzerland), 2020, 10, 2843-2848.	3.1	5

#	Article	IF	Citations
19	Spatially resolved study of transition to the phase-slip lines resistive state in wide superconducting strips. European Physical Journal D, 1996, 46, 643-644.	0.4	4
20	Spatial distribution of critical current and supercurrent density in individual filaments extracted from Ag-sheathed Bi-2223 tapes. Physica B: Condensed Matter, 2000, 284-288, 2071-2072.	2.7	3
21	An ultra-low-power multi-octave deep-cooled amplifier for superconducting single-photon detectors. , 2016, , .		2
22	Hybrid shield for microwave single-photon counter based on a flux qubit. Low Temperature Physics, 2022, 48, 228-231.	0.6	2
23	Direct measurement of critical currents of individual weak links in DC interferometerby scanning laser microscope. Cryogenics, 1994, 34, 879-881.	1.7	1
24	Giant oscillations of coupling strength on Mo/Si multilayers with the constant thickness of semiconductor layers. European Physical Journal D, 1996, 46, 731-732.	0.4	1
25	Stochastic-parametric amplification of narrow-band signals in a single-junction SQUID interferometer. Low Temperature Physics, 2008, 34, 37-42.	0.6	1
26	Charge-flux qubit coupled to a tank circuit in a strong low-frequency electromagnetic field. Low Temperature Physics, 2014, 40, 1035-1043.	0.6	1
27	Controlled Stochastic Amplification of a Weak Signal in a Superconducting Quantum Interferometer. Low Temperature Physics, 2019, 45, 60-66.	0.6	1
28	Photoresponse of epitaxial YBa2Cu3O7âˆ’x ultrathin films. Cryogenics, 1994, 34, 875-878.	1.7	0
29	Stochastic Amplifier Based on Superconducting Interferometer with 4-Terminal Josephson Junction for Flux Qubit State Readout. , 2007, , .		0
30	Experimental observation of induced stochastic transitions in a multiwall potential of an rf-SQUID loop. Low Temperature Physics, 2014, 40, 1026-1028.	0.6	0
31	Ultra-low supply voltage crystal quartz oscillator. Review of Scientific Instruments, 2021, 92, 054706.	1.3	0
32	THERMAL SMEARING OF INFRARED PATTERN ON THE SURFACE OF A THIN FILM HTSC BOLOMETER. Radio Physics and Radio Astronomy, 2019, 24, 136-143.	0.3	0
33	Scheme for Flux-Qubit-Based Microwave Single-Photon Counter with Weak Continuous Measurement. , 2020, , .		0