Mikhael Vasyutin

List of Publications by Year
in descending order

18	29	2258059 3	1872680 6
papers	citations	h-index	g-index

18	18	18	21
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mathematical modeling of heat transfer in the film-substrate-thermostat system during heating of an electrically conductive film by a high-density pulse current. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2021, 23, 82-90.	0.2	3
2	Numerical analysis of heating by a current pulse of a niobium nitride membrane in its longitudinal section. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2021, 23, 424-432.	0.2	0
3	Mathematical modeling of the magnetic properties of axisymmetric hard superconductors of the second kind in the Kim model. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2020, 22, 456-462.	0.2	0
4	Mathematical modeling of the magnetic properties of spheroids of hard second kind superconductors in the Bean model. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2019, 21, 353-362.	0.2	1
5	Mathematical modeling of current-voltage characteristics of high-temperature superconductors with fractal boundaries of normal phase clusters. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2019, 21, 507-519.	0.2	0
6	Critical Phase-Transition Current in Niobium Nitride Thin Films. Physics of the Solid State, 2018, 60, 2287-2290.	0.6	3
7	Magnetic Field Gain in Vortex Pinning at Fractal Interfaces of Clusters of High-Temperature Superconductors. Technical Physics, 2018, 63, 307-309.	0.7	0
8	Numerical modeling of the process of penetration of an external magnetic field into a thick disk-shaped of a high-temperature superconductors on the basis of the random walk algorithm. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2018, 20, 88-95.	0.2	0
9	Differential equations for recovery of the average differential susceptibility of superconductors from measurements of the first harmonic of magnetization. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2018, 20, 327-337.	0.2	0
10	Differential equations for recovery of the average differential susceptibility of superconductors from measurements of the first harmonic of magnetization. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2018, 20, 327-337.	0.2	0
11	Mathematical modeling of voltage harmonicsfor current-voltage characteristics with singularities. Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva, 2017, 19, 68-78.	0.2	0
12	Experimental determination of the derivative of the currentâ€“voltage characteristic of a nonlinear semiconductor structure using modulation Fourier analysis. Semiconductors, 2016, 50, 815-818.	0.5	1
13	Upper critical field of niobium nitride thin films. Physics of the Solid State, 2016, 58, 236-239.	0.6	7
14	Peculiarities of the current-voltage characteristics of a Josephson medium in a YBCO high-temperature superconductor. Technical Physics Letters, 2013, 39, 1078-1080.	0.7	3
15	Experimental method to find weak bond distribution functions in a high-temperature superconductor. Technical Physics, 2013, 58, 1692-1695.	0.7	0
16	Fractal dimension of structural inhomogeneities in granular YBCO superconductor in magnetic field. Technical Physics Letters, 2011, 37, 743-745.	0.7	6
17	Nonlinearity of the current-voltage characteristics for YBa2Cu3O7â€“x single crystals and the Berezinskii-Kosterlitz-Thouless transition. Physics of the Solid State, 2006, 48, 2250-2259.	0.6	5
18	Numerical simulation of the heating process of an NbN film by a current pulse at low temperatures based on the two-dimensional heat-conduction equation. Numerical Heat Transfer; Part A: Applications, 0, , 1-7.	2.1	0