

Yuri M Barabash

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Regulation Phenomena Applied to Bacterial Reaction Centers. <i>Biophysical Journal</i> , 2003, 84, 1146-1160.	0.5	30
2	Quantum tunneling of the Bloch point in a magnetic film with strong uniaxial magnetic anisotropy. <i>Low Temperature Physics</i> , 2011, 37, 690-692.	0.6	10
3	The over-barrier reflection of the Bloch point in uniaxial ferromagnets with strong magnetic anisotropy. <i>Low Temperature Physics</i> , 2013, 39, 151-153.	0.6	10
4	Quantum Oscillations of Interacting Nanoscale Structural Inhomogeneities in a Domain Wall of Magnetic Stripe Domain. <i>Nanoscale Research Letters</i> , 2016, 11, 473.	5.7	10
5	Peculiarities of light-induced slow protein dynamics in the photosynthetic reaction center. <i>Chemical Physics Letters</i> , 2011, 512, 113-117.	2.6	8
6	A general formalism for the determination of the effective mass of the nanoscale structural inhomogeneities of the domain wall in uniaxial ferromagnets. <i>Nanoscale Research Letters</i> , 2015, 10, 159.	5.7	8
7	Quantum oscillations of the Bloch point in domain walls of magnetic bubbles. <i>Low Temperature Physics</i> , 2016, 42, 42-44.	0.6	6
8	Mechanical properties of eutectic alloys $\hat{\text{I}}^2\text{-NiAl} + \hat{\text{I}}^3\text{-Re}$ and spray coatings. <i>Powder Metallurgy and Metal Ceramics</i> , 2006, 45, 173-180.	0.8	4
9	High-temperature air oxidation of coatings based on eutectic ($\hat{\text{I}}^2\text{-NiAl} + \hat{\text{I}}^3\text{-Re}$) alloys and NiAl intermetallide. <i>Powder Metallurgy and Metal Ceramics</i> , 2007, 46, 175-181.	0.8	4
10	Effect of Rhenium on Formation of the Structure of Eutectic Alloys Based on $\hat{\text{I}}^2\text{-NiAl} + \hat{\text{I}}^3\text{-Re}$. <i>Powder Metallurgy and Metal Ceramics</i> , 2003, 42, 180-183.	0.8	3
11	Peculiarities of light propagation through the media of molecules with long-lived photoexcited states. <i>Chemical Physics Letters</i> , 2007, 447, 358-363.	2.6	2
12	Radiation factor: Effect on the structure and stress state of condensates produced by ion sputtering of Ti-W-B refractory materials. <i>Powder Metallurgy and Metal Ceramics</i> , 2008, 47, 54-62.	0.8	2
13	Equilibration kinetics in isolated and membrane-bound photosynthetic reaction centers upon illumination: a method to determine the photoexcitation rate. <i>Photosynthesis Research</i> , 2009, 101, 35-45.	2.9	2
14	Quantum vibrations of a pair of vertical Bloch lines in the domain wall of a magnetic stripe domain. <i>Low Temperature Physics</i> , 2017, 43, 1070-1073.	0.6	2
15	Use of a system of differential equations to analyze the functioning of a catalytic bio macromolecule under non equilibrium conditions. <i>Heliyon</i> , 2019, 5, e02108.	3.2	1
16	Model of Charge Carriers Thermalization in Organic Semiconductors. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 361, 59-64.	0.3	0