

Natalia Orlova

List of Publications by Year in descending order

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13
papers

62
citations

2682572

2
h-index

1588992

8
g-index

13
all docs

13
docs citations

13
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient inverse Faraday effect and ultrafast optical switching of magnetization. Physical Review B, 2008, 78, .	3.2	45
2	Femtosecond magneto-optics and ultrafast magnetization reversal of ferromagnetic. Journal of Magnetism and Magnetic Materials, 2014, 361, 224-231.	2.3	6
3	Magnetoelastic mechanism of magnetoelectric interaction. Physics of the Solid State, 2007, 49, 1310-1314.	0.6	2
4	Parametric magnetoelectric effect in an AC magnetic field. Physics of the Solid State, 2007, 49, 1466-1469.	0.6	2
5	The 21/3 rule for magnetic susceptibility of gadolinium. Physics of the Solid State, 2010, 52, 561-567.	0.6	2
6	Phase diagram of magnetic structures in Fe/Cr/Fe films with nanoscale geometric inhomogeneities of interfaces. Physics of Metals and Metallography, 2009, 107, 216-228.	1.0	1
7	First-order phase transitions in magnetization of Fe/Cr/Fe three-layer films. Physics of the Solid State, 2010, 52, 328-334.	0.6	1
8	Problems of spin and orbital dynamics associated with femtosecond optical magnetic reversal. Low Temperature Physics, 2010, 36, 707-715.	0.6	1
9	The model of the quenching of the non-equilibrium orbital angular momentum of electrons recovered by femtosecond optical pumping. Journal of Magnetism and Magnetic Materials, 2017, 433, 292-296.	2.3	1
10	An approximate quantum theory of the antiferromagnetic ground state. Journal of Magnetism and Magnetic Materials, 2019, 474, 287-295.	2.3	1
11	Relation of magnetism and electricity beyond Faraday-Maxwell electrodynamics. Physics of Metals and Metallography, 2014, 115, 1093-1111.	1.0	0
12	Femtosecond Magneto-optics and the Orbital Model of the Ultrafast Magnetic Dynamics. Materials Science Forum, 0, 845, 189-194.	0.3	0
13	The problems of the magnetic susceptibility theory of antiferromagnetics above the Néel temperature related to the molecular field approximation. Proceedings of the Russian Higher School Academy of Sciences, 2019, , 44-53.	0.1	0