Maryna Pankratova

List of Publications by Year
in descending order

18 papers	154 citations	1684188 5 h-index	1199594 12 g-index
18 all docs	18 docs citations	18 times ranked	106 citing authors

#	Article	IF	Citations
1	Combining nonlinear Fourier transform and neural network-based processing in optical communications. Optics Letters, 2020, 45, 3462.	3.3	41
2	Signal-Noise Interaction in Optical-Fiber Communication Systems Employing Nonlinear Frequency-Division Multiplexing. Physical Review Applied, 2020, 13, .	3.8	35
3	Convolutional long short-term memory neural network equalizer for nonlinear Fourier transform-based optical transmission systems. Optics Express, 2021, 29, 11254.	3.4	29
4	Unsupervised and supervised machine learning for performance improvement of NFT optical transmission. , 2018, , .		9
5	The magnetic structure of a thin ferromagnetic film on the rough surface of an antiferromagnet. Low Temperature Physics, 2011, 37, 866-871.	0.6	6
6	Magnetization field-dependences and the â€œexchange biasâ€·in ferro/antiferromagnetic systems. I. Model of a bilayer ferromagnetic. Low Temperature Physics, 2009, 35, 476-483.	0.6	5
7	Influence of magnetic anisotropy on hysteresis behavior in the two-spin model of a ferro/antiferromagnet bilayer with exchange bias. Low Temperature Physics, 2012, 38, 937-942.	0.6	5
8	Field dependence of magnetization for a thin ferromagnetic film on rough antiferromagnetic surface. Superlattices and Microstructures, 2014, 73, 275-280.	3.1	5
9	Field dependences of the magnetization and exchange bias in ferro/antiferromagnetic systems. II. Continuum model of a ferromagnetic layer. Low Temperature Physics, 2009, 35, 526-530.	0.6	4
10	Effect of the exchange bias on the magnetization hysteresis of a ferromagnetic film in contact with an antiferromagnet. Low Temperature Physics, 2013, 39, 1060-1070.	0.6	4
11	Model of exchange bias in a trilayer FM/AFM/FM structure. Low Temperature Physics, 2015, 41, 838-844.	0.6	4
12	Exchange bias effect in antiferromagnets containing ferromagnetic clusters. Low Temperature Physics, 2018, 44, 1161-1167.	0.6	3
13	Properties of ferromagnetic film hysteresis, on the surface of a hard-magnetic antiferromagnet, with a domain structure. Low Temperature Physics, 2014, 40, 990-1001.	0.6	1
14	Signal-Dependent Noise for B-Modulation NFT-Based Transmission. , 2019, , .		1
15	Properties of the effective noise in the nonlinear Fourier transform-based transmission. , 2018, , .		1
16	Noise-induced Signal Corruption in Nonlinear Fourier-based Optical Transmission System in the Presence of Discrete Eigenvalues. , 2019, , .		1
17	Magnetization Curves of Geometrically Frustrated Exchange-Biased FM/AFM Bilayers. Acta Physica Polonica A, 2017, 131, 642-644.	0.5	0
18	Analytical model of nonlinear noise in the b-modulated optical transmission systems. , 2020, , .		0