

# Maryna Pankratova

## List of Publications by Year in descending order

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18  
papers

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citations

1684188

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1199594

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all docs

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docs citations

18  
times ranked

106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convolutional long short-term memory neural network equalizer for nonlinear Fourier transform-based optical transmission systems. Optics Express, 2021, 29, 11254.	3.4	29
2	Signal-Noise Interaction in Optical-Fiber Communication Systems Employing Nonlinear Frequency-Division Multiplexing. Physical Review Applied, 2020, 13, .	3.8	35
3	Combining nonlinear Fourier transform and neural network-based processing in optical communications. Optics Letters, 2020, 45, 3462.	3.3	41
4	Analytical model of nonlinear noise in the b-modulated optical transmission systems. , 2020, , .		0
5	Signal-Dependent Noise for B-Modulation NFT-Based Transmission. , 2019, , .		1
6	Noise-induced Signal Corruption in Nonlinear Fourier-based Optical Transmission System in the Presence of Discrete Eigenvalues. , 2019, , .		1
7	Unsupervised and supervised machine learning for performance improvement of NFT optical transmission. , 2018, , .		9
8	Exchange bias effect in antiferromagnets containing ferromagnetic clusters. Low Temperature Physics, 2018, 44, 1161-1167.	0.6	3
9	Properties of the effective noise in the nonlinear Fourier transform-based transmission. , 2018, , .		1
10	Magnetization Curves of Geometrically Frustrated Exchange-Biased FM/AFM Bilayers. Acta Physica Polonica A, 2017, 131, 642-644.	0.5	0
11	Model of exchange bias in a trilayer FM/AFM/FM structure. Low Temperature Physics, 2015, 41, 838-844.	0.6	4
12	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
13	Field dependence of magnetization for a thin ferromagnetic film on rough antiferromagnetic surface. Superlattices and Microstructures, 2014, 73, 275-280.	3.1	5
14	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
15	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
16	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
17	Magnetization field-dependences and the "exchange bias" in ferro/antiferromagnetic systems. I. Model of a bilayer ferromagnetic. Low Temperature Physics, 2009, 35, 476-483.	0.6	5
18	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