

Yu N Khaydukov

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

284
citations

933447

10
h-index

940533

16
g-index

25
all docs

25
docs citations

25
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-small cobalt particles embedded in titania by ion beam synthesis: Additional datasets including electron microscopy, neutron reflectometry, modelling outputs and particle size analysis. Data in Brief, 2022, 40, 107674.	1.0	1
2	Resonant neutron reflectometry for hydrogen detection. Nature Communications, 2022, 13, 1486.	12.8	5
3	Polarized Neutron Reflectometer with the Recording of Neutrons and Gamma Quanta. Journal of Surface Investigation, 2021, 15, 549-562.	0.5	2
4	Tunable spin-flop transition in artificial ferrimagnets. Physical Review B, 2021, 104, .	3.2	3
5	Structure and magnetism of ultra-small cobalt particles assembled at titania surfaces by ion beam synthesis. Applied Surface Science, 2021, 570, 151068.	6.1	6
6	Chirality of Bloch domain walls in exchange-biased CoO/Co bilayer studied by waveguide-enhanced neutron spin-flip scattering. Physical Review B, 2021, 104, .	3.2	1
7	Controlling the proximity effect in a Co/Nb multilayer: the properties of electronic transport. Beilstein Journal of Nanotechnology, 2020, 11, 1336-1345.	2.8	13
8	Proximity effect in [Nb(1.5 nm)/Fe(<i>x</i>)] ₁₀ /Nb(50 nm) superconductor/ferromagnet heterostructures. Beilstein Journal of Nanotechnology, 2020, 11, 1254-1263.	2.8	4
9	Nonstationary neutron diffraction by surface acoustic waves. Physical Review B, 2020, 101, .	3.2	3
10	Periodic Co/Nb pseudo spin valve for cryogenic memory. Beilstein Journal of Nanotechnology, 2019, 10, 833-839.	2.8	30
11	Transition in a Magnetic Non-Collinear Spin-Flop State in a Fe/Pd/Gd/Pd Superlattice. JETP Letters, 2019, 109, 406-409.	1.4	5
12	Magnetic proximity effect in Nb/Gd superlattices seen by neutron reflectometry. Physical Review B, 2019, 99, .	3.2	15
13	Tunable perpendicular exchange bias in oxide heterostructures. Physical Review Materials, 2019, 3, .	2.4	15
14	Magnetic and superconducting phase diagram of Nb/Gd/Nb trilayers. Physical Review B, 2018, 97, .	3.2	21
15	Tailoring the electronic properties of Ca ₂ RuO ₄ via epitaxial strain. Applied Physics Letters, 2018, 112, .	3.3	27
16	Effect of Cr Spacer on Structural and Magnetic Properties of Fe/Gd Multilayers. Journal of Experimental and Theoretical Physics, 2018, 127, 742-752.	0.9	8
17	Enhanced Magnetization of Cobalt Defect Clusters Embedded in TiO ₂ Films. ACS Applied Materials & Interfaces, 2017, 9, 8783-8795.	8.0	19
18	Magnetic proximity effect and superconducting triplet correlations at the cuprate superconductor and oxide spin valve interface. Low Temperature Physics, 2016, 42, 873-883.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Polarized neutron channeling as a tool for the investigations of weakly magnetic thin films. JETP Letters, 2016, 103, 36-40.	1.4	14
20	Evidence for spin-triplet superconducting correlations in metal-oxide heterostructures with noncollinear magnetization. Physical Review B, 2014, 90, .	3.2	36
21	On the feasibility to study inverse proximity effect in a single S/F bilayer by Polarized Neutron Reflectometry. JETP Letters, 2013, 98, 107-110.	1.4	26
22	Structural and Magnetic Properties of the Periodic [Fe(5nm)/V(5nm)] ₁₀ and [Fe(3nm)/V(3nm)] ₂₀ Systems. Solid State Phenomena, 2012, 190, 396-400.	0.3	1
23	Precision structural diagnostics of layered superconductor/ferromagnet nanosystems V/Fe by reflectometry and diffuse scattering of synchrotron radiation. Crystallography Reports, 2011, 56, 858-865.	0.6	3
24	Feasibility of study magnetic proximity effects in bilayer superconductor/ferromagnet using waveguide-enhanced polarized neutron reflectometry. Crystallography Reports, 2010, 55, 1235-1241.	0.6	10
25	NREX: Neutron reflectometer with X-ray option. Journal of Large-scale Research Facilities JLSRF, 0, 1, A38.	0.0	14