

# 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	Evidence for spin-triplet superconducting correlations in metal-oxide heterostructures with noncollinear magnetization. <i>Physical Review B</i> , 2014, 90, .	3.2	36
2	Periodic Co/Nb pseudo spin valve for cryogenic memory. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 833-839.	2.8	30
3	Tailoring the electronic properties of Ca <sub>2</sub> RuO <sub>4</sub> via epitaxial strain. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	27
4	On the feasibility to study inverse proximity effect in a single S/F bilayer by Polarized Neutron Reflectometry. <i>JETP Letters</i> , 2013, 98, 107-110.	1.4	26
5	Magnetic and superconducting phase diagram of Nb/Gd/Nb trilayers. <i>Physical Review B</i> , 2018, 97, .	3.2	21
6	Enhanced Magnetization of Cobalt Defect Clusters Embedded in TiO <sub>2</sub> Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8783-8795.	8.0	19
7	Magnetic proximity effect in Nb/Gd superlattices seen by neutron reflectometry. <i>Physical Review B</i> , 2019, 99, .	3.2	15
8	Tunable perpendicular exchange bias in oxide heterostructures. <i>Physical Review Materials</i> , 2019, 3, .	2.4	15
9	Polarized neutron channeling as a tool for the investigations of weakly magnetic thin films. <i>JETP Letters</i> , 2016, 103, 36-40.	1.4	14
10	NREX: Neutron reflectometer with X-ray option. <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 1, A38.	0.0	14
11	Controlling the proximity effect in a Co/Nb multilayer: the properties of electronic transport. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1336-1345.	2.8	13
12	Feasibility of study magnetic proximity effects in bilayer superconductor/ferromagnet using waveguide-enhanced polarized neutron reflectometry. <i>Crystallography Reports</i> , 2010, 55, 1235-1241.	0.6	10
13	Effect of Cr Spacer on Structural and Magnetic Properties of Fe/Gd Multilayers. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 127, 742-752.	0.9	8
14	Structure and magnetism of ultra-small cobalt particles assembled at titania surfaces by ion beam synthesis. <i>Applied Surface Science</i> , 2021, 570, 151068.	6.1	6
15	Transition in a Magnetic Non-Collinear Spin-Flop State in a Fe/Pd/Gd/Pd Superlattice. <i>JETP Letters</i> , 2019, 109, 406-409.	1.4	5
16	Resonant neutron reflectometry for hydrogen detection. <i>Nature Communications</i> , 2022, 13, 1486.	12.8	5
17	Proximity effect in [Nb(1.5 nm)/Fe( <i>x</i> )] <sub>10</sub> /Nb(50 nm) superconductor/ferromagnet heterostructures. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1254-1263.	2.8	4
18	Precision structural diagnostics of layered superconductor/ferromagnet nanosystems V/Fe by reflectometry and diffuse scattering of synchrotron radiation. <i>Crystallography Reports</i> , 2011, 56, 858-865.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Nonstationary neutron diffraction by surface acoustic waves. <i>Physical Review B</i> , 2020, 101, .	3.2	3
20	Tunable spin-flop transition in artificial ferrimagnets. <i>Physical Review B</i> , 2021, 104, .	3.2	3
21	Magnetic proximity effect and superconducting triplet correlations at the cuprate superconductor and oxide spin valve interface. <i>Low Temperature Physics</i> , 2016, 42, 873-883.	0.6	2
22	Polarized Neutron Reflectometer with the Recording of Neutrons and Gamma Quanta. <i>Journal of Surface Investigation</i> , 2021, 15, 549-562.	0.5	2
23	Structural and Magnetic Properties of the Periodic [Fe(5nm)/V(5nm)] <sub>10</sub> and [Fe(3nm)/V(3nm)] <sub>20</sub> Systems. <i>Solid State Phenomena</i> , 2012, 190, 396-400.	0.3	1
24	Chirality of Bloch domain walls in exchange-biased CoO/Co bilayer studied by waveguide-enhanced neutron spin-flip scattering. <i>Physical Review B</i> , 2021, 104, .	3.2	1
25	Ultra-small cobalt particles embedded in titania by ion beam synthesis: Additional datasets including electron microscopy, neutron reflectometry, modelling outputs and particle size analysis. <i>Data in Brief</i> , 2022, 40, 107674.	1.0	1