

Lenar R Tagirov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Controllable two- and three-state magnetization switching in single-layer epitaxial Pd _{1-x} Fe _x films and an epitaxial Pd _{0.92} Fe _{0.08} /Ag/Pd _{0.96} Fe _{0.04} heterostructure. Beilstein Journal of Nanotechnology, 2022, 13, 334-343.	1.5	2
2	Density Functional Theory Approach to the Vibrational Properties and Magnetic Specific Heat of the Covalent Chain Antiferromagnet KFeS ₂ . Molecules, 2022, 27, 2663.	1.7	3
3	Exchange spin waves in thin films with gradient composition. Physical Review Materials, 2022, 6, .	0.9	5
4	Epitaxial thin-film Pd _{1-x} Fe _x alloy: a tunable ferromagnet for superconducting spintronics. Science China Materials, 2021, 64, 1246-1255.	3.5	9
5	Ab initio Investigation of Impurity Ferromagnetism in the Pd _{1-x} Fe _x Alloys: Concentration and Position Dependences. Crystals, 2021, 11, 1257.	1.0	1
6	Synthesis, Characterization, and Magnetoresistive Properties of the Epitaxial Pd _{0.96} Fe _{0.04} /VN/Pd _{0.92} Fe _{0.08} Superconducting Spin-Valve Heterostructure. Nanomaterials, 2021, 11, 64.	1.9	6
7	Photoelectric and magnetic properties of Fe-hyperdoped Si layers formed by the recoil-atom implantation. Materials Science in Semiconductor Processing, 2020, 105, 104752.	1.9	7
8	Application of Nuclear Inelastic Scattering Spectroscopy to the Frequency Scale Calibration of Ab Initio Calculated Phonon Density of States of Quasi-One-Dimensional Ternary Iron Chalcogenide RbFeSe ₂ . Applied Sciences (Switzerland), 2020, 10, 7212.	1.3	2
9	Epitaxial growth and superconducting properties of thin-film PdFe/VN and VN/PdFe bilayers on MgO(001) substrates. Beilstein Journal of Nanotechnology, 2020, 11, 807-813.	1.5	10
10	Single-stage plasma-chemical synthesis and characterization of carbon nanoparticle-polymer suspensions. Plasma Processes and Polymers, 2020, 17, 1900204.	1.6	3
11	Structural and magnetic studies of TiO ₂ rutile implanted with vanadium ions. Materials Research Express, 2019, 6, 116103.	0.8	2
12	Evidence of the Plaquette Structure of Fe _{1+x} Te Iron Telluride: Mössbauer Spectroscopy Study. Physica Status Solidi (B): Basic Research, 2019, 256, 1800698.	0.7	1
13	Vibrational properties and lattice specific heat of KFeS ₂ . AIP Conference Proceedings, 2018, , .	0.3	3
14	Vibrational properties and lattice specific heat of RbFeS ₂ . AIP Conference Proceedings, 2018, , .	0.3	0
15	Mössbauer spectroscopy evidence of intrinsic non-stoichiometry in iron telluride single crystals. Annalen Der Physik, 2017, 529, 1600241.	0.9	3
16	Thickness dependence of the triplet spin-valve effect in superconductor-ferromagnet-ferromagnet heterostructures. Beilstein Journal of Nanotechnology, 2016, 7, 957-969.	1.5	15
17	Resonant Magnetoresistance in Asymmetric Double-Barrier Magnetic Tunnel Junctions. Physics Procedia, 2015, 75, 995-1002.	1.2	3
18	Role of Interface Transparency and Exchange Field in the Superconducting Triplet Spin-Valve Effect. Solid State Phenomena, 2015, 233-234, 745-749.	0.3	8

#	ARTICLE	IF	CITATIONS
19	Six-fold in-plane magnetic anisotropy in Co-implanted ZnO (0001). Applied Physics Letters, 2009, 95, 102502.	1.5	14
20	High-temperature ferromagnetism in Co-implanted TiO ₂ rutile. Journal Physics D: Applied Physics, 2009, 42, 115005.	1.3	46
21	Dose dependence of ferromagnetism in Co-implanted ZnO. Journal of Applied Physics, 2009, 105, 043907.	1.1	44
22	Intrinsic room temperature ferromagnetism in Co-implanted ZnO. Journal Physics D: Applied Physics, 2008, 41, 165001.	1.3	30