

R Morgunov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

1,352
citations

16
h-index

26
g-index

271
ext. papers

1,458
ext. citations

1.5
avg, IF

4.62
L-index

#	Paper	IF	Citations
262	Change in blocking temperature of nanoparticle array deposited on magnetoresistive sensor. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 551, 169096	2.8	
261	Effect of Fe ₃ O ₄ nanoparticles on CoFeB/Ta/CoFeB spin-valve magnetoresistance probed by microwave absorption. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	
260	Spin-Wave Excitations in NiFe/Cu/IrMn Heterostructures with a Variable Thickness Copper Spacer. <i>Journal of Experimental and Theoretical Physics</i> , 2022 , 134, 204-210	1	
259	The Increase in Electrical Conductivity and the Appearance of Lipid Pores Induced by Magnetic Nanoparticles CoFe ₂ O ₄ in Bilayer Lipid Membranes. <i>Russian Journal of Electrochemistry</i> , 2022 , 58, 321-328	1.2	0
258	Effect of Fe/FeO Nanoparticles Stray Field on the Microwave Magnetoresistance of a CoFeB/Ta/CoFeB Synthetic Ferrimagnet. <i>ACS Sensors</i> , 2021 ,	9.2	1
257	The effect of Dzyaloshinskii-Moriya interaction on direct and backward transition between magnetic states of Pt/Co/Ir/Co/Pr synthetic ferrimagnet. <i>Journal of Advanced Materials and Technologies</i> , 2021 , 6, 167-178		
256	Magnetic Properties of a Ni Nanonet Grown in Superfluid Helium under Laser Irradiation. <i>Magnetochemistry</i> , 2021 , 7, 139	3.1	
255	Oscillations of EPR Signals Accompanying Belousov-Zhabotinsky Reaction. <i>Magnetochemistry</i> , 2021 , 7, 2	3.1	1
254	Chemical Design of DyPrFeCoB-Alloy-Based Microtweezers. <i>Journal of Surface Investigation</i> , 2021 , 15, 292-297	0.5	
253	Sharp Change in the Exchange Bias and the Magnetic Anisotropy Symmetry at a Subthreshold Interlayer Copper Content in NiFe/Cu/IrMn Heterostructures. <i>Journal of Experimental and Theoretical Physics</i> , 2021 , 132, 852-864	1	1
252	Spin Relaxation in Single-Ion Magnets under the Slowing Down Effect Produced by the Stray Field of Ferromagnetic Microparticles. <i>JETP Letters</i> , 2021 , 113, 794-800	1.2	0
251	Structure and Magnetic Properties of (Pr,Dy)(Fe,Co)B Alloys Prepared by Rapid and Slow Melt Cooling. <i>Russian Metallurgy (Metally)</i> , 2021 , 2021, 898-904	0.5	
250	Synthesis, crystal molecular structure, and magnetic characteristics of coordination polymers formed by Co(II) diketonates with pentaheterocyclic triphenodioxazines. <i>New Journal of Chemistry</i> , 2021 , 45, 304-313	3.6	3
249	Radial Domains in DyPrFeCoB Microwires. <i>Physics of the Solid State</i> , 2021 , 63, 266-271	0.8	
248	Single ion magnets as magnetic probes of internal field in microparticle array. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 157, 110210	3.9	0
247	Laser assisted rapid local crystallization in amorphous PrDyFeCoB microwires. <i>Materials Letters</i> , 2021 , 301, 130291	3.3	
246	Field-induced single-ion magnet based on a quasi-octahedral Co(II) complex with mixed sulfur-oxygen coordination environment. <i>Dalton Transactions</i> , 2021 , 50, 13815-13822	4.3	0

245	Magneto-Optical Properties and Photoluminescence of (PrDy)(FeCo)B Microwires. <i>Physics of the Solid State</i> , 2021 , 63, 556-565	0.8	1
244	Local Crystallization in Amorphous Microwires of PrDyFeCoB Induced by a Single Laser Pulse. <i>Physics of the Solid State</i> , 2021 , 63, 1218-1227	0.8	
243	Magnetic Anisotropy of Microwires and Domain Structure of Microstripes of PrDyCoFeB. <i>Physics of the Solid State</i> , 2021 , 63, 1211-1217	0.8	
242	Exchange Bias at the Ferroferrimagnet Interface in PrDyCoFeB/Fe Microwires. <i>Physics of the Solid State</i> , 2021 , 63, 1675-1679	0.8	
241	Orientation Dependence of the Magnetic Moments of Fe(PrDy)(CoFeB) Microwires. <i>Physics of the Solid State</i> , 2020 , 62, 648-652	0.8	4
240	Effect of the Conditions of Annealing of a PrDyBeCoB Alloy on the Properties of the Sintered Magnets. <i>Russian Metallurgy (Metally)</i> , 2020 , 2020, 220-224	0.5	
239	Effect of the stray field of Fe/Fe ₃ O ₄ nanoparticles on the surface of the CoFeB thin films. <i>Applied Surface Science</i> , 2020 , 527, 146836	6.7	3
238	Possible Contributions of Phases to Magnetization of the NdDyBeCoB Sintered Materials and Temperature Dependence of the Magnetization. <i>Technical Physics</i> , 2020 , 65, 216-220	0.5	
237	Spontaneous Magnetization Loss Dynamics of (Pr, Dy)(Fe, Co)B Magnets. <i>Technical Physics</i> , 2020 , 65, 377-381	0.5	
236	Exchange Interactions in NiFe/Ta/IrMn Heterostructures under Conditions of Tantalum Deficiency. <i>Physics of the Solid State</i> , 2020 , 62, 1033-1038	0.8	3
235	Synthesis, Structure and Magnetic Properties of Mn ₂ Tb ₂ Tetranuclear Complex with p-tert-Butylthiacalix[4]arene. <i>Israel Journal of Chemistry</i> , 2020 , 60, 600-606	3.4	1
234	Change in the Magnetization of Sintered PrDyBeCoB Magnets in Time. <i>Russian Metallurgy (Metally)</i> , 2020 , 2020, 66-70	0.5	
233	A Decrease in the Exchange Bias Caused by an Increase in the Effective Thickness of the Copper Layer in the NiFe/Cu/IrMn Heterostructures. <i>Physics of the Solid State</i> , 2020 , 62, 1991-1997	0.8	1
232	Conditions for the Occurrence of Spontaneous Oscillating Magnetic Relaxation in Synthetic Pt/Co/Ir/Co/Pt Ferrimagnets. <i>Physics of the Solid State</i> , 2020 , 62, 458-463	0.8	1
231	Magnetization Reversal of Ferromagnetic CoFeB Films and CoFeB/Ta/CoFeB Heterostructures in the Stray Field of Fe/Fe ₃ O ₄ Nanoparticles. <i>Journal of Experimental and Theoretical Physics</i> , 2020 , 131, 607-617	1	4
230	Generation of Nonequilibrium Nuclei of Magnetization in a Rapidly Increasing Magnetic Field in Pt/Co/Ir/Co/Pt Synthetic Ferrimagnets. <i>Physics of the Solid State</i> , 2020 , 62, 2070-2076	0.8	
229	The Morphology and Mechanical Properties of PrDyFeCoB Microwires. <i>Physics of the Solid State</i> , 2020 , 62, 2272-2279	0.8	2
228	Focused magnetization in sharpened rare-earth microwires with four switchable magnetic states. <i>Materials Letters</i> , 2020 , 273, 127954	3.3	4

227	Strong magnetocaloric effect induced by spin reorientation transitions in epitaxial Ho thin films. <i>Physical Review B</i> , 2020 , 102,	3.3	1
226	Spin Reorientation Transition in Fe Microwires with an Amorphous PrDyCoFeB Shell. <i>Physics of the Solid State</i> , 2020 , 62, 1333-1337	0.8	2
225	Criterion of non monotonic magnetic relaxation in Pt/Co/Ir/Co/Pt synthetic ferrimagnet with perpendicular anisotropy. <i>Superlattices and Microstructures</i> , 2020 , 142, 106509	2.8	
224	Time resolved FORC analysis and magnetic anisotropy in K[Cr(CN)] [Mn(S)-pn] (S)-pnH chiral molecular magnets. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 085801	1.8	
223	Limitation of the Allowed Coercive Force Caused by the Scattering Field of Magnet. <i>Technical Physics</i> , 2019 , 64, 994-997	0.5	
222	Coercive Force of (Pr, Dy)(Fe, Co)B Sintered Materials with a Low Rare-Earth Metal Content. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 257-260	0.5	
221	Softening of the Al-Mg-Si-Fe alloy under magnetostriction of FeAl microinclusions. <i>Journal of Applied Physics</i> , 2019 , 125, 023903	2.5	1
220	Magnetic Characteristics of Sintered (Pr,Dy)(Fe,Co,Cu)B Materials with Various Copper Contents as Functions of the Annealing Temperature. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 536-541	0.5	
219	Influence of the magnetic field sweeping rate on magnetic transitions in synthetic ferrimagnets with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2019 , 114, 222402	3.4	8
218	Magnetic Anisotropy of [(Co ₄₁ Fe ₃₉ B ₂₀) _x (SiO ₂) _{100-47x} /Bi ₂ Te ₃] ₄₇ Multilayer Heterostructures. <i>Physics of the Solid State</i> , 2019 , 61, 127-133	0.8	1
217	Increase in the Boron Content in PrDyFeCoB Materials by Solid-Phase Alloying. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 727-732	0.5	
216	Cause of the Failure of Sintered Blanks of Ring NdDyFeCoB Magnets with a Radial Texture. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 733-736	0.5	
215	Magnetic Memory in Plasticity of an Aluminum Alloy with Iron Inclusions. <i>Physics of the Solid State</i> , 2019 , 61, 1023-1029	0.8	0
214	Slow Magnetic Relaxation, Antiferromagnetic Ordering, and Metamagnetism in Mn(Hdapsc)-Fe(CN) Chain Complex with Highly Anisotropic Fe-CN-Mn Spin Coupling. <i>Chemistry - A European Journal</i> , 2019 , 25, 14583-14597	4.8	10
213	Surface engineering of magnetic and mechanical properties of Ta/Pt/GdFeCo/IrMn/Pt heterostructures by femtosecond laser pulses. <i>Applied Surface Science</i> , 2019 , 493, 470-477	6.7	1
212	Oscillatory dynamics of the magnetic moment of a Pt/Co/Ir/Co/Pt synthetic antiferromagnet. <i>Physical Review B</i> , 2019 , 100,	3.3	7
211	Time and Temperature Dependences of the Irreversible Magnetization Losses of Sintered PrDyFeCoB Magnets. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 916-920	0.5	
210	Effect of Texture on the Width of Domains in Sintered Magnets (PrDy)(FeCo)B and (NdDy)(FeCo)B. <i>Physics of the Solid State</i> , 2019 , 61, 2055-2060	0.8	

209	Synthesis, properties, and antibacterial activity of a new nitric oxide donor \square nitrosyl iron complex with 5-phenyl-1H-1,2,4-triazole-3-thiol. <i>Russian Chemical Bulletin</i> , 2019 , 68, 2225-2231	1.7	1
208	Interaction of Magnetization Centers of Different Signs as the Cause of the Nonmonotonic Field Dependence of the Domain Wall Velocity in Synthetic Pt/Co/Ir/Co/Pt Ferrimagnets. <i>Journal of Experimental and Theoretical Physics</i> , 2019 , 129, 998-1004	1	
207	Bistable and Multi-Domain States of \square Fe/(PrDy)(FeCo)B Ferromagnetic Microwires. <i>Physics of the Solid State</i> , 2019 , 61, 2061-2068	0.8	6
206	Relaxation dynamics of magnetization transitions in synthetic antiferromagnet with perpendicular anisotropy. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 135804	1.8	7
205	Competition between domain walls and the reverse magnetization in the magnetic relaxation of a Pt/Co/Ir/Co/Pt spin switcher. <i>Physics of the Solid State</i> , 2018 , 60, 75-78	0.8	
204	Effect of Co layer thickness on magnetic relaxation in Pt/Co/Ir/Co/Pt/GaAs spin valve. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 459, 33-36	2.8	4
203	Effect of \square Fe ₂ O ₃ microbeads on CoFeB/Ta/CoFeB magnetic switching and magnetic instabilities. <i>Superlattices and Microstructures</i> , 2018 , 121, 23-32	2.8	3
202	Nonmonotonic aftereffect measurements in perpendicular synthetic ferrimagnets. <i>Physical Review B</i> , 2018 , 98,	3.3	13
201	Effect of Annealing of a PrDyFeCoB Alloy on Its Phase Composition and the Properties of Related Sintered Magnets. <i>Russian Metallurgy (Metally)</i> , 2018 , 2018, 243-247	0.5	1
200	Slow magnetic relaxation in mononuclear complexes of Tb, Dy, Ho and Er with the pentadentate (N ₃ O ₂) Schiff-base dapsc ligand. <i>New Journal of Chemistry</i> , 2018 , 42, 14883-14893	3.6	15
199	Contributions of Magnetic Phases to the FORC Diagram in (NdDy)(FeCo)B Magnets. <i>Physics of the Solid State</i> , 2018 , 60, 2481-2485	0.8	1
198	Effect of spin-orbital interaction on continuous and jumpwise reversal magnetization in [Mn(II)(HL)(H ₂ O)][Mn(III)(CN) ₆] \square 2H ₂ O molecular ferrimagnet. <i>EPJ Web of Conferences</i> , 2018 , 185, 04016	0.3	
197	Magnetocrystalline Anisotropy of (PrDy)(FeCo)B Sintered Magnets. <i>Physics of the Solid State</i> , 2018 , 60, 2486-2490	0.8	
196	Stabilization of dinitrosyl iron complexes under matrix isolation conditions: solvent and polymer effects on the synthesis of composites based on poly(methyl methacrylate) and iron complexes [Fe ₂ (\square NC ₅ -R) ₂ (NO) ₄]. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1631-1638	1.7	
195	Effect of magnetic relaxation on magnetization reversal of K _{0.4} [Cr(CN) ₆][Mn(R/S)-pn](R/S)-pnH _{0.6} molecular ferrimagnet. <i>Low Temperature Physics</i> , 2018 , 44, 1149-1152	0.7	
194	Ultra low frequency Barkhausen noise versus domain structure and reversal magnetization in sintered (NdDy)(FeCo)B magnets. <i>Journal of Applied Physics</i> , 2018 , 124, 163906	2.5	2
193	Analysis of Distribution of the Surface Magnetic-Field Gradient in (PrDy)(FeCo)B Rare-Earth Magnets. <i>Journal of Surface Investigation</i> , 2018 , 12, 939-943	0.5	3
192	Slow Oscillations of the Perpendicular Magnetization of the Pt/Co/Ir/Co/Pt Spin Valve. <i>JETP Letters</i> , 2018 , 108, 137-141	1.2	6

191	Magnetic field and temperature control over Pt/Co/Ir/Co/Pt multistate magnetic logic device. <i>Superlattices and Microstructures</i> , 2017 , 104, 509-517	2.8	14
190	Magnetization switching diagram of a perpendicular synthetic ferrimagnet CoFeB/Ta/CoFeB bilayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 433, 91-97	2.8	25
189	Discrete energy spectrum of nonlinear spin ensembles in the ferrimagnet $K_0.4[Cr(CN)_6][Mn(R/S)-pn](R/S)-pnH_0.6$. <i>Physics of the Solid State</i> , 2017 , 59, 70-75	0.8	
188	Remote microwave monitoring of magnetization switching in CoFeB/Ta/CoFeB spin logic device. <i>Applied Physics Letters</i> , 2017 , 110, 212403	3.4	7
187	Antiferromagnetic inclusions in organic semiconductor (DOEO) $_4$ [HgBr $_4$] \cdot TCE. <i>Journal of Surface Investigation</i> , 2017 , 11, 114-119	0.5	
186	Dependence of the coercive force on the magnetic field sweep rate in (PrDy)(FeCo)B alloys. <i>Physics of the Solid State</i> , 2017 , 59, 1543-1546	0.8	
185	Magnetic aftereffects in CoFeB/Ta/CoFeB spin valves of large area. <i>Physical Review B</i> , 2017 , 96,	3.3	7
184	Ferromagnetic resonance of CoFeB/Ta/CoFeB spin valves versus CoFeB film. <i>Thin Solid Films</i> , 2017 , 640, 8-13	2.2	2
183	Delayed demagnetization jumps in (NdDy)(FeCo)B magnets in a steady-state magnetic field. <i>Physics of the Solid State</i> , 2017 , 59, 2279-2285	0.8	
182	Microwave response to the magnetization switching of CoFeB/Ta/CoFeB spin valves and CoFeB films. <i>Physics of the Solid State</i> , 2017 , 59, 1947-1951	0.8	
181	Synthesis, Structure, and Magnetic Properties of 1D {[Mn(CN)][Mn(dapsc)]} Coordination Polymers: Origin of Unconventional Single-Chain Magnet Behavior. <i>Inorganic Chemistry</i> , 2017 , 56, 8926-8943	5.1	26
180	Ferromagnetic resonance in monocrystalline spin valves CoFeB/Ta/CoFeB and CoFeB films with perpendicular magnetic anisotropy. <i>Physics of the Solid State</i> , 2017 , 59, 1553-1557	0.8	1
179	Continuous and jumpwise reversal magnetization in [Mn(II)(HL)(H $_2$ O)][Mn(III)(CN) $_6$] \cdot 2H $_2$ O molecular ferrimagnet. <i>Low Temperature Physics</i> , 2017 , 43, 1185-1189	0.7	
178	High-temperature spin dynamics studied by solid-state nuclear resonance and electron paramagnetic resonance in $^{29}Si:B$ crystals. <i>Journal of Materials Science</i> , 2016 , 51, 1838-1844	4.3	
177	Effect of samarium impurity on the relaxation of the magnetization of a (NdDy)(FeCo)B alloy. <i>Physics of the Solid State</i> , 2016 , 58, 1582-1586	0.8	4
176	Effect of copper concentration on atomic site occupation by Fe ions and magnetic properties of (PrDy)(FeCo)B alloys. <i>Physics of the Solid State</i> , 2016 , 58, 1135-1142	0.8	2
175	Distribution of ^{28}Si , ^{29}Si , and ^{30}Si isotopes under plastic deformation in subsurface layers of Si: B crystals. <i>Physics of the Solid State</i> , 2016 , 58, 247-250	0.8	0
174	Single-Ion Magnet EtN[Co(hfac)] with Nonuniaxial Anisotropy: Synthesis, Experimental Characterization, and Theoretical Modeling. <i>Inorganic Chemistry</i> , 2016 , 55, 9696-9706	5.1	53

173	Competition of single-ion anisotropy of Sm and Dy ions during the spin-reorientation transition in $(\text{Nd}_{1-x}\text{Sm}_x\text{Dy}_y)(\text{FeCo})\text{B}$ supermagnets. <i>Physics of the Solid State</i> , 2016 , 58, 1320-1324	0.8	
172	^{29}Si nuclear spin relaxation in microcrystals of plastically deformed Si: B samples. <i>Physics of the Solid State</i> , 2016 , 58, 240-246	0.8	
171	Color of postponed magnetic noise in $\text{K}_{0.4}[\text{Cr}(\text{CN})_6][\text{Mn}(\text{R/S})\text{pn}](\text{R/S})\text{pnH}_{0.6}$ molecular ferrimagnet. <i>Physical Review B</i> , 2016 , 94,	3.3	5
170	Statistic regularities of magnetization jumps in $\text{K}_{0.4}[\text{Cr}(\text{CN})_6][\text{Mn}(\text{R/S})\text{pn}](\text{R/S})\text{pnH}_{0.6}$ ferrimagnet. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 1222-1227	1.3	4
169	Magnetic properties and spin dynamics of $\text{CoFeB}/\text{BiO}_2$ multilayer granular heterostructures. <i>Physics of the Solid State</i> , 2016 , 58, 1121-1127	0.8	5
168	Deformation Defects Supporting Quantum Readout of ^{29}Si Nuclear Spins in Si: P Deformed Crystals. <i>Silicon</i> , 2016 , 8, 331-336	2.4	1
167	Binuclear cyano-bridged complex derived from $[\text{MnIII}(\text{salpn})]$ and $[\text{FeIII}(\text{CN})_6]$: Synthesis, structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2016 , 64, 27-30	3.1	4
166	Distribution of ^{28}Si , ^{29}Si and ^{30}Si isotopes in subsurface layers of Si:B single crystals under plastic deformation. <i>Chemical Physics Letters</i> , 2016 , 643, 39-42	2.5	1
165	Accurate tuning of $(\text{NdDySm})(\text{FeCo})\text{B}$ coercivity by Sm magnetic anisotropy. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	5
164	Coercivity of $(\text{PrDy})(\text{CoFe})\text{B}$ Microparticles Ensemble Controlled by Magnetic Dipole Interaction and Dry Friction. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-12	2	2
163	Competition of magnetization mechanisms in $(\text{NdDy})(\text{FeCo})\text{B}$ alloys, doped with samarium. <i>Low Temperature Physics</i> , 2016 , 42, 45-49	0.7	2
162	Magnetic fluctuations sorted by magnetic field in MnSb clusters embedded in GaMnSb thin films. <i>Journal of Applied Physics</i> , 2016 , 119, 073905	2.5	8
161	Low-temperature anomaly of the magnetization in alloys $(\text{Pr,Dy,M})_2(\text{Fe,Co})_{14}\text{B}$ (M = Gd, Sm, Nd). <i>Physics of the Solid State</i> , 2016 , 58, 515-518	0.8	1
160	Effect of MnSb clusters recharge on ferromagnetism in GaSb-MnSb thin films. <i>Superlattices and Microstructures</i> , 2016 , 95, 14-23	2.8	8
159	Magnetic noise as the cause of the spontaneous magnetization reversal of $\text{RE}^{\text{III}}\text{MB}$ permanent magnets. <i>Journal of Experimental and Theoretical Physics</i> , 2016 , 123, 303-307	1	8
158	Giant effect of Sm atoms on time stability of $(\text{NdDy})(\text{FeCo})\text{B}$ magnet. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	4
157	Increase in the coercivity of an ensemble of $(\text{DyPr})(\text{CoFe})\text{B}$ microparticles during their dispersion in a polymer matrix. <i>Physics of the Solid State</i> , 2016 , 58, 1314-1319	0.8	3
156	Isotope-induced generation of paramagnetic defects under plastic deformation of ^{29}Si crystals. <i>Physics of the Solid State</i> , 2015 , 57, 100-105	0.8	3

155	Ferromagnetism and microwave magnetoresistance of GaMnSb films. <i>Physics of the Solid State</i> , 2015 , 57, 322-330	0.8	14
154	Magnetic properties of CoFeB alloys doped with Dy and Pr. <i>Physics of the Solid State</i> , 2015 , 57, 1134-1140.	0.8	3
153	Relation between the magnetization and the electrical properties of alloy GaSb-MnSb films. <i>Journal of Experimental and Theoretical Physics</i> , 2015 , 120, 1012-1018	1	8
152	Peierls Washboard Controls Dynamics of the Domain Walls in Molecular Ferrimagnets. <i>Solid State Phenomena</i> , 2015 , 233-234, 55-59	0.4	
151	Stochastic jumps of magnetization in $[Mn\{(R/S)-pn\}]_2[Mn\{(R/S)-pn\}_2(H_2O)]_2[Cr(CN)_6]_2$ molecular magnet. <i>JETP Letters</i> , 2015 , 101, 398-401	1.2	3
150	The first photochromic bimetallic assemblies based on Mn(III) and Mn(II) Schiff-base (salpn, dapsc) complexes and pentacyanonitrosylferrate. <i>CrystEngComm</i> , 2015 , 17, 3866-3876	3.3	13
149	Spectroscopic fingerprints for charge localization in the organic semiconductor (DOEO) $_4$ [HgBr $_4$] \cdot TCE. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	
148	Transitions between quantum states of the spin-soliton structure in molecular magnets $[Mn\{(R/S)-pn\}]_2[Mn\{(R/S)-pn\}_2(H_2O)]_2[Cr(CN)_6]_2$. <i>Physics of the Solid State</i> , 2015 , 57, 1519-1523	0.8	1
147	Effect of stoichiometry of Fe and Co on the temperature stability of the magnetic anisotropy in Pr-Dy-Fe-Co-B alloys. <i>Physics of the Solid State</i> , 2015 , 57, 1362-1365	0.8	2
146	Halogen atom effect on the magnetic anisotropy of pseudotetrahedral Co(II) complexes with a quinoline ligand. <i>Polyhedron</i> , 2015 , 102, 147-151	2.7	13
145	Demagnetization of $K_{0.4}(Cr(CN)_6)(Mn\{(R/S)-pn\})(R/S)-pn_{0.6}$ Molecular Magnets Accompanied by Discrete Transitions in the Incommensurate Magnetic Phase. <i>Physics Procedia</i> , 2015 , 75, 659-663		
144	Anomalous effect of Sm additives on the magnetic properties of $(Nd_{1-x}Sm_xDy)(FeCo)B$ intermetallics. <i>Journal of Experimental and Theoretical Physics</i> , 2015 , 121, 429-436	1	5
143	Bifurcation of magnetic anisotropy caused by small addition of Sm in $(Nd_{1-x}Sm_xDy)(FeCo)B$ magnetic alloy. <i>Journal of Applied Physics</i> , 2015 , 117, 243903	2.5	14
142	The influence of magnetic field and temperature on spin-reorientation transitions in β - $n_{0.043}Fe_{1.957}O_3$ nanoparticles. <i>Low Temperature Physics</i> , 2015 , 41, 917-921	0.7	1
141	Effect of plastic deformation on the magnetic properties and dislocation luminescence of isotopically enriched silicon $^{29}Si:B$. <i>Semiconductors</i> , 2015 , 49, 1140-1144	0.7	
140	Anomalous magnetization dynamics near the spin-reorientation transition temperature in β - $n_{0.24}Fe_{1.76}O_3$ nanowires. <i>Low Temperature Physics</i> , 2015 , 41, 20-24	0.7	2
139	Effects of magnetic dipole-dipole interaction and rotation of $(DyPr)CoFeB$ microparticles on the magnetic properties of their ensembles. <i>Physics of the Solid State</i> , 2015 , 57, 2221-2226	0.8	1
138	Temperature Dependence of Electronic and Magnetic Properties of (DOEO) $_4$ [HgBr $_4$] \cdot TCE Single Crystals. <i>Solid State Phenomena</i> , 2015 , 233-234, 173-176	0.4	

137	Study of Magnetic Behavior of Salts of Cationic Dinitrosyl Iron Complexes with Thiocarbamide and its Derivatives. <i>Applied Magnetic Resonance</i> , 2015 , 46, 1383-1393	0.8	3
136	Epsilon-phase iron(III) oxide nanowires for a magnetic-resonance spin-current source. <i>Journal of Surface Investigation</i> , 2015 , 9, 442-445	0.5	2
135	Spin Filtering on the MnSb Cluster Interface in GaSbMn Thin Films. <i>Solid State Phenomena</i> , 2015 , 233-234, 643-647	0.4	2
134	Competition of Peierls relief and structural defects in the damping of domain walls in $[Mn\{(R/S)-pn\}]_2[Mn\{(R/S)-pn\}_2(H_2O)]_2[Cr(CN)_6]_2$ ferrimagnet. <i>Low Temperature Physics</i> , 2015 , 41, 29-33	0.7	2
133	Landau-Zener spin transitions in Fe^{2+}/Fe^{3+} quantum dots controlling dislocation mobility in NaCl:Fe crystals. <i>Journal of Materials Science</i> , 2014 , 49, 1666-1673	4.3	
132	Deformation paramagnetic defects in Fz-29Si:P crystals. <i>Semiconductors</i> , 2014 , 48, 989-995	0.7	1
131	Kinetics of oxidation of subsurface layers of 29Si-enriched silicon in a magnetic field. <i>Physics of the Solid State</i> , 2014 , 56, 1443-1448	0.8	2
130	Spin-reorientation transition in e-In _{0.24} Fe _{1.76} O ₃ nanowires. <i>Physics of the Solid State</i> , 2014 , 56, 1795-1798	10	
129	Electron and nuclear spin dynamics in plastically deformed silicon crystals enriched in isotope 29Si. <i>Journal of Experimental and Theoretical Physics</i> , 2014 , 118, 621-629	1	3
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