

# Galina Kurlyandskaya

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

255  
papers

3,568  
citations

32  
h-index

47  
g-index

269  
ext. papers

4,115  
ext. citations

2.3  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
255	GMI-Detection of a Magnetic Composite Imitating a Blood Vessel Clot. <i>Russian Physics Journal</i> , <b>2022</b> , 64, 1880-1885	0.7	0
254	The modeling of magnetic detection of iron oxide nanoparticles in the stream of patient-specific artery with stenotic lesion: the effects of vessel geometry and particle concentration. <i>IEEE Transactions on Magnetics</i> , <b>2022</b> , 1-1	2	
253	Influence of the Parameters of Permalloy-Based Multilayer Film Structures on the Sensitivity of Magnetic Impedance Effect. <i>Physics of Metals and Metallography</i> , <b>2021</b> , 122, 223-229	1.2	2
252	Magnetic Properties of Iron Oxide Nanoparticles Do Not Essentially Contribute to Ferrogel Biocompatibility. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
251	Magnetoimpedance Thin Film Sensor for Detecting of Stray Fields of Magnetic Particles in Blood Vessel. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
250	A Model for the Magnetoimpedance Effect in Non-Symmetric Nanostructured Multilayered Films with Ferrogel Coverings. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
249	Spin reorientation transition and exchange bias in hard/soft Tb-Co/FeNi films. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	0
248	Magnetic and microwave properties of FeNi thin films of different thicknesses deposited onto cyclo olefin copolymer flexible substrates. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	2
247	Thermal Reversibility of the Magnetoimpedance of Amorphous CoFeSiB Ribbons. <i>Physics of Metals and Metallography</i> , <b>2021</b> , 122, 731-736	1.2	
246	Magnetoimpedance of Periodic Partly Profiled Multilayer Film Structures. <i>Physics of Metals and Metallography</i> , <b>2021</b> , 122, 755-760	1.2	0
245	Characteristic Features of Magnetization Reversal of Exchange Coupled TbCo/FeNi Film Structures in a Temperature Range Including the Compensation Point of the Ferrimagnetic Layer. <i>Physics of the Solid State</i> , <b>2021</b> , 63, 1558-1563	0.8	
244	Magnetic Nanoparticles Obtained by Electrophysical Technique: Focus on Biomedical Applications. <i>Physics of the Solid State</i> , <b>2021</b> , 63, 1447-1461	0.8	1
243	The Magnetocaloric Effect in the Vicinity of the Magnetic Compensation Temperature of Amorphous GdCo Ferrimagnetic Films. <i>Physics of the Solid State</i> , <b>2021</b> , 63, 1553-1557	0.8	
242	Temperature Dependence of the Impedance of Amorphous Elastically Deformed CoFeSiB Ribbons. <i>Physics of Metals and Metallography</i> , <b>2021</b> , 122, 1075-1080	1.2	0
241	Ferromagnetic Resonance of FeNi/Cu/FeNi Thin Film on Coplanar Waveguide with Operating Frequency of 1 to 20 GHz. <i>Russian Physics Journal</i> , <b>2020</b> , 63, 1-8	0.7	0
240	Magnetic Nanoparticles as a Strong Contributor to the Biocompatibility of Ferrogels. <i>Physics of Metals and Metallography</i> , <b>2020</b> , 121, 299-304	1.2	6
239	Effect of Heat Treatment on the Magnetoimpedance of Soft Magnetic Co <sub>68.5</sub> Fe <sub>4</sub> Si <sub>15</sub> B <sub>12.5</sub> Amorphous Ribbons. <i>Physics of Metals and Metallography</i> , <b>2020</b> , 121, 28-31	1.2	4

238	Angular Dependence of the Ferromagnetic Resonance Parameters of [Ti/FeNi]/Ti/Cu/Ti/[FeNi/Ti] Nanostructured Multilayered Elements in the Wide Frequency Range. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
237	Magnetic Properties of Thin Films Fe <sub>x</sub> Ni <sub>100-x</sub> (x = 20, 17, 15%): Focus on High Frequency Sensor Applications. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 226-231	0.6	
236	Measurement of the Parameters of Ferromagnetic Microwires in a Frequency Range from 0.1 to 20 GHz. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 181-187	0.6	1
235	Temperature Dependence of Magnetoimpedance Effect of a Composite Wire with Induced Magnetic Anisotropy. <i>Physics of Metals and Metallography</i> , <b>2020</b> , 121, 429-433	1.2	1
234	Ferromagnetic Resonance in Electroplated CuBe/FeCoNi and Amorphous CoFeSiB Wires. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-10	2	4
233	Nanocrystallization in FINEMET-Type FeNbCuSiB and FeNbMoCuSiB Thin Films. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
232	Structure, Magnetic Properties and Magnetic Impedance of Fast Quenched Ribbons of Alloys Based on FINEMET in the Initial State and After Heat Treatment. <i>Physics of Metals and Metallography</i> , <b>2020</b> , 121, 961-967	1.2	2
231	Features of the sperimagnetic structure of TbCo-based multilayers <b>2020</b> ,		1
230	The study of magnetic permeability and magnetoimpedance: Effect of ferromagnetic alloy characteristics <b>2020</b> ,		2
229	Functional magnetic ferrogels: From biosensors to regenerative medicine. <i>AIP Advances</i> , <b>2020</b> , 10, 1251285	3.5	4
228	Demagnetization Processes in Multilayered Permalloy-Based Film Structures. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 838-843	0.6	1
227	Effect of Magnetic Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> ) Nanoparticles on the Growth of Algal and Yeast Cultures. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 772-776	0.6	1
226	Magnetoimpedance and Stress-Impedance Effects in Amorphous CoFeSiB Ribbons at Elevated Temperatures. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
225	Effects of Constant Magnetic Field to the Proliferation Rate of Human Fibroblasts Grown onto Different Substrates: Tissue Culture Polystyrene, Polyacrylamide Hydrogel and Ferrogels FeO Magnetic Nanoparticles. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	6
224	Magnetic Properties and High-Frequency Impedance of Nanocrystalline FeSiBNbCu Ribbons in a 300 to 723 K Temperature Range. <i>Physics of Metals and Metallography</i> , <b>2020</b> , 121, 949-954	1.2	2
223	Detecting the Total Stray Fields of Ferrogel Nanoparticles Using a Prototype Magnetoimpedance Sensor: Modeling and Experiment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2019</b> , 83, 906-908 <sup>0.4</sup>	0.4	1
222	Thermosensitive Spin Valve Based on an Artificial Ferrimagnet: Magnetization Process in a Wide Range of Fields. <i>Physics of the Solid State</i> , <b>2019</b> , 61, 1609-1613	0.8	0
221	Ferrogels Ultrasonography for Biomedical Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5

220	Magnetoimpedance in Symmetric and Non-Symmetric Nanostructured Multilayers: A Theoretical Study. <i>Sensors</i> , <b>2019</b> , 19,	3.8	11
219	Magnetoimpedance Effect in the Ribbon-Based Patterned Soft Ferromagnetic Meander-Shaped Elements for Sensor Application. <i>Sensors</i> , <b>2019</b> , 19,	3.8	9
218	Flory-Huggins Parameters of Guar Gum, Xanthan Gum, Agarose, and Gellan Gum in Aqueous Solutions. <i>Polymer Science - Series A</i> , <b>2019</b> , 61, 29-38	1.2	4
217	The Contribution of Magnetic Nanoparticles to Ferrogel Biophysical Properties. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	19
216	Polyacrylamide Ferrogels with Ni Nanowires. <i>Materials</i> , <b>2019</b> , 12,	3.5	20
215	Magnetic Materials for Thin Film Based Magnetoimpedance Biosensing. <i>Physics of Metals and Metallography</i> , <b>2019</b> , 120, 1243-1251	1.2	2
214	Thickness Dependence of Magnetic Properties of Tb <sub>2</sub> O <sub>3</sub> /Ti and Tb <sub>2</sub> O <sub>3</sub> /Si Multilayers. <i>Physics of Metals and Metallography</i> , <b>2019</b> , 120, 1260-1265	1.2	3
213	Influence of uniform magnetic field on elastic modulus in polyacrylamide ferrogels with embedded nickel nanoparticles. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012059	0.3	2
212	Influence of various forms of iron on growth of <i>Chlorella vulgaris</i> Beijer culture. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012073	0.3	
211	Changes in morphotype in the population of <i>E.coli</i> in the presence of metal containing nanoparticles. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012074	0.3	2
210	Influence of metal containing nanocomposites on the kinetics of microbial population development. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012075	0.3	
209	Modeling of magnetoimpedance effect in nanostructured multilayered films. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012132	0.3	1
208	Design magnetic matrices for cell technology supporting devices. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012072	0.3	
207	FeNi <sub>100-x</sub> Thin Film Systems with Slight Deviations from Zero Magnetostriction Compositions: Focus on Pressure Sensor Applications. <i>Key Engineering Materials</i> , <b>2019</b> , 826, 11-18	0.4	0
206	Load Matching for Giant Magnetoimpedance Sensor in Coaxial Configuration. <i>Key Engineering Materials</i> , <b>2019</b> , 826, 19-24	0.4	3
205	Specific loss power measurements by calorimetric and thermal methods on Fe <sub>2</sub> O <sub>3</sub> nanoparticles for magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 473, 403-409	2.8	13
204	Fe nanoparticles produced by electric explosion of wire for new generation of magneto-rheological fluids. <i>Smart Materials and Structures</i> , <b>2018</b> , 27, 045011	3.4	13
203	Peculiarities of the Giant Magnetoimpedance in Permalloy-Based Film Structures in the Important Temperature Range for Practical Applications. <i>Technical Physics</i> , <b>2018</b> , 63, 67-72	0.5	1

202	Coil-to-helix transition of gellan in dilute solutions is a two-step process. <i>Food Hydrocolloids</i> , <b>2018</b> , 74, 108-114	10.6	5
201	Modelling of magnetoimpedance response of thin film sensitive element in the presence of ferrogel: Next step toward development of biosensor for in-tissue embedded magnetic nanoparticles detection. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 366-372	11.8	39
200	Magnetic Dichroism in the Reflectivity of Linearly Polarized Synchrotron Radiation from a Ti(10 nm)/Gd <sub>0.23</sub> Co <sub>0.77</sub> (250 nm)/Ti(10 nm) Sample. <i>Journal of Experimental and Theoretical Physics</i> , <b>2018</b> , 126, 802-810	1	2
199	Polyacrylamide Ferrogels with Magnetite or Strontium Hexaferrite: Next Step in the Development of Soft Biomimetic Matter for Biosensor Applications. <i>Sensors</i> , <b>2018</b> , 18,	3.8	29
198	Mechanical, Electrical and Magnetic Properties of Ferrogels with Embedded Iron Oxide Nanoparticles Obtained by Laser Target Evaporation: Focus on Multifunctional Biosensor Applications. <i>Sensors</i> , <b>2018</b> , 18,	3.8	27
197	Magnetic Properties and the Giant Magnetoimpedance of Amorphous Co-Based Wires with a Carbon Coating. <i>Physics of Metals and Metallography</i> , <b>2018</b> , 119, 324-331	1.2	3
196	Magnetic and Microwave Properties of Carbon-Coated Co- and Fe-Based Amorphous Wires. <i>IEEE Magnetism Letters</i> , <b>2018</b> , 9, 1-5	1.6	3
195	Magnetic properties and giant magnetoimpedance of surface modified Co-based amorphous ribbons with carbon covering. <i>EPJ Web of Conferences</i> , <b>2018</b> , 185, 10001	0.3	2
194	Magnetic properties and giant magnetoimpedance effect for CoFeMoSiB surface modified amorphous ribbons covered by water based ferrofluid. <i>EPJ Web of Conferences</i> , <b>2018</b> , 185, 10003	0.3	
193	Multi-Step Magnetization Process of Gd-Co/Co/Cu/Co Thermo-Sensitive Spin Valves. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 351	2.6	1
192	Magnetoimpedance Properties of Amorphous CoFeSiB Wires in a Wide Frequency Range: Focus on Sensor Applications. <i>Russian Journal of Nondestructive Testing</i> , <b>2018</b> , 54, 717-725	0.7	6
191	Structural and magnetic characteristics of the Co/Cu/Co thin-film systems. <i>EPJ Web of Conferences</i> , <b>2018</b> , 185, 03009	0.3	
190	EFFECT OF THE POLYACRYLAMIDE FERROGEL ELASTICITY ON THE CELL ADHESIVENESS TO MAGNETIC COMPOSITE. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2018</b> , 18, 1850060	0.7	6
189	Structural and Magnetic Properties of NiFe/Ti Nanoscale Multilayers. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	5
188	Heterogeneity of population of microorganisms grown in presence of iron oxide maghemite nanoparticles. <i>EPJ Web of Conferences</i> , <b>2018</b> , 185, 10002	0.3	2
187	Methodological aspects of small iron concentrations determination in black yeasts grown in the presence of iron oxide nanoparticles. <i>EPJ Web of Conferences</i> , <b>2018</b> , 185, 10007	0.3	1
186	Ferrogels based on entrapped metallic iron nanoparticles in a polyacrylamide network: extended Derjaguin-Landau-Verwey-Overbeek consideration, interfacial interactions and magnetodeformation. <i>Soft Matter</i> , <b>2017</b> , 13, 3359-3372	3.6	18
185	Thin-Film Magnetoimpedance Structures Onto Flexible Substrates as Deformation Sensors. <i>IEEE Transactions on Magnetism</i> , <b>2017</b> , 53, 1-5	2	12

184	Investigation of the Special Features of Low-Temperature Carbon Coating Deposition on the Permalloy Film Surface Under Normal Conditions During Interaction with Aromatic Solvents. <i>Russian Physics Journal</i> , <b>2017</b> , 60, 157-162	0.7	
183	Magnetic Properties of Iron Oxide Nanoparticles Obtained by Laser Evaporation. <i>Russian Physics Journal</i> , <b>2017</b> , 59, 1491-1497	0.7	
182	Nanostructured materials for magnetic biosensing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1494-1506	4	28
181	Magnetoimpedance effect in multilayered permalloy structure with different magnetostriction: Small-pressure sensor <b>2017</b> ,		3
180	Polyacrylamide ferrogels with embedded maghemite nanoparticles for biomedical engineering. <i>Results in Physics</i> , <b>2017</b> , 7, 3624-3633	3.7	30
179	Magnetoimpedance Effect in CoFeMoSiB As-Quenched and Surface Modified Amorphous Ribbons in the Presence of Iron Oxide Nanoparticles of Water-Based Ferrofluid. <i>Journal of Sensors</i> , <b>2017</b> , 2017, 1-9	2	1
178	System based on a ZVA-67 vector network analyzer for measuring high-frequency parameters of magnetic film structures. <i>Russian Journal of Nondestructive Testing</i> , <b>2017</b> , 53, 204-212	0.7	11
177	Magnetoimpedance Sensitive Elements Based on CuBe/FeCoNi Electroplated Wires in Single and Double Wire Configurations. <i>IEEE Transactions on Magnetism</i> , <b>2017</b> , 53, 1-15	2	11
176	Nanoparticles for magnetic biosensing systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 431, 249-254	2.8	30
175	Comparative study of magnetic and magnetoimpedance properties of CoFeSiB-based amorphous ribbons of the same geometry with Mo or W additions. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 693, 767-776	5.7	13
174	Influence of the Size and Structural Factors on the Magnetism of Multilayer Films Based on 3d and 4f Metals. <i>Physics of Metals and Metallography</i> , <b>2017</b> , 118, 1263-1299	1.2	15
173	Permalloy-Based Thin Film Structures: Magnetic Properties and the Giant Magnetoimpedance Effect in the Temperature Range Important for Biomedical Applications. <i>Sensors</i> , <b>2017</b> , 17,	3.8	20
172	Water-Based Suspensions of Iron Oxide Nanoparticles with Electrostatic or Steric Stabilization by Chitosan: Fabrication, Characterization and Biocompatibility. <i>Sensors</i> , <b>2017</b> , 17,	3.8	14
171	Influence of Bi on the magnetic and magneto-optical properties of Co/Bi/Co and Bi/Co thin-film systems. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 07MF01	1.4	2
170	Large internal strains in very small iron oxide nanoparticles fabricated by spark discharge with electrodynamic acceleration of plasma jumpers. <i>Vacuum</i> , <b>2016</b> , 132, 1-4	3.7	9
169	Magneto-inductive heating of water-based iron oxide ferrofluids <b>2016</b> ,		6
168	Thermo-sensitive spin valve based on layered artificial ferrimagnet. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 063504	3.4	18
167	Water based suspensions of iron oxide obtained by laser target evaporation for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 35-38	2.8	14

166	Total reflection x-ray fluorescence spectroscopy as a tool for evaluation of iron concentration in ferrofluids and yeast samples. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 39-44	2.8	7
165	Thickness-dependent Curie temperature in ferrimagnetic Gd <sub>2</sub> O <sub>3</sub> /Ti multilayers. <i>Superlattices and Microstructures</i> , <b>2016</b> , 90, 242-246	2.8	7
164	Magnetoimpedance of FeNi-based asymmetric sensitive elements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 87-90	2.8	11
163	Bimagnetic Microwires, Magnetic Properties, and High-Frequency Behavior. <i>Springer Series in Materials Science</i> , <b>2016</b> , 279-310	0.9	2
162	Magnetic actuator based on giant magnetostrictive material Terfenol-D with strain and temperature monitoring using FBG optical sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 80, 201-206	4.6	30
161	Exchange bias in sputtered FeNi/FeMn systems: Effect of short low-temperature heat treatments. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 402, 49-54	2.8	12
160	Thin-film magneto-impedance structures with very large sensitivity. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 400, 321-326	2.8	41
159	Magnetoimpedance effect in the FeNi/Ti-based multilayered structure: A pressure sensor prototype <b>2016</b> ,		5
158	Spin valves based on amorphous ferrimagnetic Gd <sub>2</sub> O <sub>3</sub> films. <i>Physics of Metals and Metallography</i> , <b>2016</b> , 117, 876-882	1.2	4
157	Computer-aided inspection center for magnetoimpedance spectroscopy. <i>Russian Journal of Nondestructive Testing</i> , <b>2016</b> , 52, 647-652	0.7	5
156	Flexible thin film magnetoimpedance sensors. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 91-96	2.8	27
155	Magnetic properties and magnetoimpedance of short CuBe/CoFeNi electroplated microtubes. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 248, 155-161	3.9	6
154	Structure, magnetic and microwave properties of FeNi invar nanoparticles obtained by electrical explosion of wire in different preparation conditions. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 98, 255-262	3.9	7
153	Fe <sub>45</sub> Ni <sub>55</sub> Magnetic Nanoparticles Obtained by Electric Explosion of Wire for the Development of Functional Composites. <i>IEEE Magnetism Letters</i> , <b>2015</b> , 6, 1-4	1.6	12
152	Structure and Magnetic Properties of FeNi/Ti Multilayered Films Grown by Magnetron Sputtering. <i>Solid State Phenomena</i> , <b>2015</b> , 233-234, 591-594	0.4	4
151	Giant magnetoimpedance biosensor for ferrogel detection: Model system to evaluate properties of natural tissue. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 193702	3.4	62
150	Magnetite nanoparticles prepared by co-precipitation method in different conditions. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 161, 243-249	4.4	35
149	FeNi-based flat magnetoimpedance nanostructures with open magnetic flux: New topological approaches. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 383, 220-225	2.8	19

148	Tuning the structure and magnetic softness of thin permalloy films by variations in the thickness of titanium seed layer. <i>Materials Letters</i> , <b>2015</b> , 152, 159-162	3.3	8
147	Exchange bias in FeNi/FeMn/FeNi multilayers. <i>Superlattices and Microstructures</i> , <b>2015</b> , 83, 216-223	2.8	9
146	Equivalent Magnetic Noise of Micro-Patterned Multilayer Thin Films Based GMI Microsensor. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 6707-6714	4	18
145	Surface Modification of Thin Iron Films in Aromatic Solvents at Ambient Conditions. <i>Solid State Phenomena</i> , <b>2015</b> , 233-234, 657-661	0.4	2
144	The Influence of Si on Magnetic and Magneto-Optical Properties of Co/Si/Co Thin-Film Systems. <i>Solid State Phenomena</i> , <b>2015</b> , 233-234, 653-656	0.4	6
143	Development of Polymer-Permalloy Film Composites with or without Nanoparticles for Sensor and Microwave Applications. <i>Key Engineering Materials</i> , <b>2015</b> , 644, 163-166	0.4	
142	Tailoring functional properties of Ni nanoparticles-acrylic copolymer composites with different concentrations of magnetic filler. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 123917	2.5	12
141	Study of the effect of the deposition rate and seed layers on structure and magnetic properties of magnetron sputtered FeNi films. <i>Vacuum</i> , <b>2015</b> , 119, 245-249	3.7	12
140	Magneto-Optical Sensor Based on Fiber Bragg Gratings and a Magnetostrictive Material. <i>Key Engineering Materials</i> , <b>2015</b> , 644, 232-235	0.4	3
139	Biocompatible Ferrofluids With Iron Oxide Nanoparticles Fabricated by Laser Target Evaporation. <i>IEEE Magnetics Letters</i> , <b>2015</b> , 6, 1-4	1.6	2
138	Surface Modified Ni Nanoparticles Produced by the Electrical Explosion of Wire. <i>Solid State Phenomena</i> , <b>2015</b> , 233-234, 513-516	0.4	3
137	High-Frequency Magnetoimpedance Response of Thin-Film Microstructures Using Coplanar Waveguides. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	12
136	Magnetic impedance of structured film meanders in the presence of magnetic micro- and nanoparticles. <i>Technical Physics</i> , <b>2014</b> , 59, 230-236	0.5	13
135	Comparative study of magnetic, microwave properties and giant magnetoimpedance of FeNi-based multilayers with different structure. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S296-S299	5.7	8
134	Structure, magnetic and microwave properties of FeNi nanoparticles obtained by electric explosion of wire. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S231-S235	5.7	24
133	Tailoring the Exchange Bias in FeNi/FeMn Bilayers by Heat Treatment and FeMn Surface Oxidation. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
132	Effect of Ti seed and spacer layers on structure and magnetic properties of FeNi thin films and FeNi-based multilayers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2014</b> , 188, 102-105	3.1	5
131	Hysteretic properties of nanostructured terbium films. <i>Technical Physics</i> , <b>2014</b> , 59, 530-534	0.5	1



130	Carbon deposition from aromatic solvents onto active intact 3d metal surface at ambient conditions. <i>Langmuir</i> , <b>2014</b> , 30, 3243-53	4	22
129	Temperature dependence of microwave absorption phenomena in single and biphasic soft magnetic microwires. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 368, 126-132	2.8	9
128	In situ modification of Fe and Ni magnetic nanopowders produced by the electrical explosion of wire. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 586, S483-S488	5.7	15
127	Microwave resonant and zero-field absorption study of doped magnetite prepared by a co-precipitation method. <i>Molecules</i> , <b>2014</b> , 19, 8387-401	4.8	16
126	Core-Shell Fine Structure of FeNi Magnetic Nanoparticles Produced by Electrical Explosion of Wire. <i>IEEE Transactions on Magnetism</i> , <b>2014</b> , 50, 1-4	2	5
125	Effect of phase separation in an Fe <sub>20</sub> Ni <sub>80</sub> /Fe <sub>50</sub> Mn <sub>50</sub> structure with exchange coupling. <i>Physics of Metals and Metallography</i> , <b>2014</b> , 115, 856-863	1.2	6
124	Laser Target Evaporation Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Water-Based Ferrofluids for Biomedical Applications. <i>IEEE Transactions on Magnetism</i> , <b>2014</b> , 50, 1-4	2	23
123	Sensor applications of soft magnetic materials based on magneto-impedance, magneto-elastic resonance and magneto-electricity. <i>Sensors</i> , <b>2014</b> , 14, 7602-24	3.8	41
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105	Comparison of Micro-Fabrication Routes for Magneto-Impedance Elements: Lift-Off and Wet-Etching. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1601-1604	2	8
104	Iron oxide nanoparticles fabricated by electric explosion of wire: focus on magnetic nanofluids. <i>AIP Advances</i> , <b>2012</b> , 2, 022154	1.5	67
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