

# Galina Kurlyandskaya

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4173046/galina-kurlyandskaya-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Giant-magnetoimpedance-based sensitive element as a model for biosensors. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3053-3055  | 3.4  | 209       |
| 254 | Structure and Magnetic Properties of Thin Permalloy Films Near the Transcritical State. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 333-336   | 2    | 90        |
| 253 | Magnetic Dynabeads detection by sensitive element based on giant magnetoimpedance. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1611-6  | 11.8 | 87        |
| 252 | Spherical magnetic nanoparticles fabricated by laser target evaporation. <i>AIP Advances</i> , <b>2013</b> , 3, 052135  | 1.5  | 72        |
| 251 | Very large magnetoimpedance effect in FeCoNi ferromagnetic tubes with high order magnetic anisotropy. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 6280-6286   | 2.5  | 71        |
| 250 | 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        |
| 249 | Magneto-sensitive transducers for nondestructive testing operating on the basis of the giant magnetoimpedance effect: A review. <i>Russian Journal of Nondestructive Testing</i> , <b>2009</b> , 45, 377-398  | 0.7  | 63        |
| 248 | 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        |
| 247 | Microwave absorption of nanoscale CoNi powders. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 104308  | 2.5  | 61        |
| 246 | Influence of the preparation procedure on the properties of polyaniline based magnetic composites. <i>European Polymer Journal</i> , <b>2007</b> , 43, 1333-1346  | 5.2  | 59        |
| 245 | Field-induced microwave absorption in Fe <sub>3</sub> O <sub>4</sub> nanoparticles and Fe <sub>3</sub> O <sub>4</sub> /polyaniline composites synthesized by different methods. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 1527-1532 | 3.9  | 59        |
| 244 | Magnetoimpedance biosensor for Fe <sub>3</sub> O <sub>4</sub> nanoparticle intracellular uptake evaluation. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 143902   | 3.4  | 59        |
| 243 | The influence of field- and stress-induced magnetic anisotropy on the magnetoimpedance in nanocrystalline FeCuNbSiB alloys. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 6581-6583   | 2.5  | 53        |
| 242 | Giant magnetoimpedance for biosensing: Advantages and shortcomings. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 659-662   | 2.8  | 52        |
| 241 | GMI detection of magnetic-particle concentration in continuous flow. <i>Sensors and Actuators A: Physical</i> , <b>2011</b> , 172, 103-108  | 3.9  | 43        |
| 240 | 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        |
| 239 | 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        |

|     |   |      |    |
|-----|---|------|----|
| 238 | Advantages of nonlinear giant magnetoimpedance for sensor applications. <i>Sensors and Actuators A: Physical</i> , <b>2003</b> , 106, 234-239   | 3.9  | 41 |
| 237 | Frequency dependence of giant magnetoimpedance effect in CuBe/CoFeNi plated wire with different types of magnetic anisotropy. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 4822-4824   | 2.5  | 41 |
| 236 | 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 |
| 235 | FeNi-based magnetoimpedance multilayers: Tailoring of the softness by magnetic spacers. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 162410  | 3.4  | 39 |
| 234 | Surface modified amorphous ribbon based magnetoimpedance biosensor. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2341-5   | 11.8 | 39 |
| 233 | Influence of magnetization processes and device geometry on the GMI effect. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 3051-3056   | 2    | 39 |
| 232 | Magneto-impedance effect in nanostructured soft ferromagnetic alloys. <i>Nanotechnology</i> , <b>2003</b> , 14, 231-238   | 3.4  | 36 |
| 231 | 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 |
| 230 | Tailoring the magnetic anisotropy of thin film permalloy microstrips by combined shape and induced anisotropies. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1   | 1.2  | 35 |
| 229 | Domain structure and magnetization process of a giant magnetoimpedance geometry FeNi/Cu/FeNi(Cu)FeNi/Cu/FeNi sensitive element. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 6561-6568  | 1.8  | 35 |
| 228 | Spherical magnetic nanoparticles fabricated by electric explosion of wire. <i>AIP Advances</i> , <b>2011</b> , 1, 042122  | 1.5  | 33 |
| 227 | Advanced materials for drug delivery and biosensors based on magnetic label detection. <i>Materials Science and Engineering C</i> , <b>2007</b> , 27, 495-503   | 8.3  | 33 |
| 226 | Modification of the transcritical state in Ni <sub>75</sub> Fe <sub>16</sub> Cu <sub>5</sub> Mo <sub>4</sub> films produced by RF sputtering. <i>Technical Physics</i> , <b>2004</b> , 49, 868-871  | 0.5  | 33 |
| 225 | Magnetoimpedance of sandwiched films: experimental results and numerical calculations. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 291-293  | 2.8  | 33 |
| 224 | Magnetoimpedance effect in CoFeNi plated wire with ac field annealing destabilized domain structure. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5438-5440  | 2.5  | 33 |
| 223 | Giant magnetoimpedance: A label-free option for surface effect monitoring. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 054505  | 2.5  | 32 |
| 222 | FeNi-based magnetic layered nanostructures: Magnetic properties and giant magnetoimpedance. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09C502   | 2.5  | 31 |
| 221 | Effect of induced magnetic anisotropy and domain structure features on magnetoimpedance in stress annealed Co-rich amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 196-197, 259-261   | 2.8  | 31 |

|     |   |     |    |
|-----|---|-----|----|
| 220 | Polyacrylamide ferrogels with embedded maghemite nanoparticles for biomedical engineering. <i>Results in Physics</i> , <b>2017</b> , 7, 3624-3633   | 3.7 | 30 |
| 219 | 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 |
| 218 | Nanoparticles for magnetic biosensing systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 431, 249-254  | 2.8 | 30 |
| 217 | Giant magnetic impedance of wires with a thin magnetic coating. <i>Physics of Metals and Metallography</i> , <b>2011</b> , 111, 133-154   | 1.2 | 30 |
| 216 | Influence of geometrical parameters on the giant magnetoimpedance response in amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 215-216, 740-742  | 2.8 | 30 |
| 215 | 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 |
| 214 | Nanostructured materials for magnetic biosensing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1494-1506   | 4   | 28 |
| 213 | Nanostructured giant magneto-impedance multilayers deposited onto flexible substrates for low pressure sensing. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 230  | 5   | 28 |
| 212 | Characterization of nanosized spinel ferrite powders synthesized by coprecipitation and autocombustion method. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 509-512  | 5.7 | 28 |
| 211 | Frequency dependence of the magnetoimpedance in nanocrystalline FeCuNbSiB with high transverse stress-induced magnetic anisotropy. <i>IEEE Transactions on Magnetics</i> , <b>1999</b> , 35, 3358-3360  | 2   | 28 |
| 210 | 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 |
| 209 | Magnetic Properties and Giant Magnetoimpedance of FeNi-Based Nanostructured Multilayers With Variable Thickness of the Central Cu Lead. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3328-3331                                   | 2   | 27 |
| 208 | Ferromagnetic resonance in FeCoNi electroplated wires. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 1868-1872  | 2.5 | 27 |
| 207 | Flexible thin film magnetoimpedance sensors. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 91-96  | 2.8 | 27 |
| 206 | Nanostructured Magnetoimpedance Multilayers. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1375-1380  | 2   | 26 |
| 205 | Giant magnetoimpedance strip and coil sensors. <i>Sensors and Actuators A: Physical</i> , <b>2001</b> , 91, 116-119   | 3.9 | 26 |
| 204 | Non-linear giant magnetoimpedance. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 206-208  | 2.8 | 25 |
| 203 | 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 |

|     |  |     |    |
|-----|--|-----|----|
| 202 | Laser Target Evaporation Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Water-Based Ferrofluids for Biomedical Applications. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4   | 2   | 23 |
| 201 | High performance magnetoimpedance in FeNi/Ti nanostructured multilayers with opened magnetic flux. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7496-500   | 1.3 | 23 |
| 200 | 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 |
| 199 | Polyacrylamide Ferrogels with Ni Nanowires. <i>Materials</i> , <b>2019</b> , 12,   | 3.5 | 20 |
| 198 | GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 18-21   | 2   | 20 |
| 197 | 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 |
| 196 | The Contribution of Magnetic Nanoparticles to Ferrogel Biophysical Properties. <i>Nanomaterials</i> , <b>2019</b> , 9,   | 5.4 | 19 |
| 195 | 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 |
| 194 | Differences in the Magneto-Impedance of FeNi/Cu/FeNi Multilayers With Open and Closed Magnetic Path. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 658-661   | 2   | 19 |
| 193 | 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 |
| 192 | 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 |
| 191 | Thermo-sensitive spin valve based on layered artificial ferrimagnet. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 063504  | 3.4 | 18 |
| 190 | Longitudinal magnetic bistability of electroplated wires. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 249, 34-38  | 2.8 | 18 |
| 189 | High-frequency magnetoimpedance in multilayer thin films with longitudinal and transverse anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, e954-e957  | 2.8 | 17 |
| 188 | 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 |
| 187 | Magnetoimpedance of thin film meander with composite coating layer containing Ni nanoparticles. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A323  | 2.5 | 16 |
| 186 | Microwave resonant and zero-field absorption study of pure and doped ferrite nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 276-285  | 3.9 | 16 |
| 185 | Magnetic domains and transverse induced anisotropy in magnetically soft CoFeB amorphous thin films. <i>IEEE Transactions on Magnetics</i> , <b>1998</b> , 34, 1153-1155  | 2   | 16 |

|     |   |      |    |
|-----|---|------|----|
| 184 | 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 |
| 183 | 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 |
| 182 | Frequency dependence of hysteretic magnetoimpedance in CoFeMoSiB amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 215-216, 425-427   | 2.8  | 15 |
| 181 | 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 |
| 180 | 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 |
| 179 | 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 |
| 178 | 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 |
| 177 | Structural Peculiarities and Magnetic Properties of FeNi Films and FeNi/Ti-Based Magnetic Nanostructures. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1605-1608   | 2    | 13 |
| 176 | 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               | 5.76 | 13 |
| 175 | Exchange biased FeNi/FeMn bilayers with coercivity and switching field enhanced by FeMn surface oxidation. <i>AIP Advances</i> , <b>2013</b> , 3, 092104  | 1.5  | 13 |
| 174 | Giant magnetic impedance of film nanostructures adapted for biodetection. <i>Russian Physics Journal</i> , <b>2009</b> , 52, 769-776  | 0.7  | 13 |
| 173 | Nonlinear Magnetoimpedance Effect in FeCoNi Ferromagnetic Tubes. <i>Chinese Physics Letters</i> , <b>2001</b> , 18, 1268-1270   | 1.8  | 13 |
| 172 | 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 |
| 171 | Thin-Film Magnetoimpedance Structures Onto Flexible Substrates as Deformation Sensors. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-5  | 2    | 12 |
| 170 | Fe <sub>45</sub> Ni <sub>55</sub> Magnetic Nanoparticles Obtained by Electric Explosion of Wire for the Development of Functional Composites. <i>IEEE Magnetics Letters</i> , <b>2015</b> , 6, 1-4                              | 1.6  | 12 |
| 169 | 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 |
| 168 | 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 |
| 167 | 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 |

|     |   |     |    |
|-----|---|-----|----|
| 166 | 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 |
| 165 | Wide-angle magnetoimpedance field sensor based on two crossed amorphous ribbons. <i>Sensors and Actuators A: Physical</i> , <b>2008</b> , 142, 496-502  | 3.9 | 12 |
| 164 | Domain wall permeability limit for the giant magnetoimpedance effect. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7451  | 2.5 | 12 |
| 163 | Magnetoimpedance in Symmetric and Non-Symmetric Nanostructured Multilayers: A Theoretical Study. <i>Sensors</i> , <b>2019</b> , 19,   | 3.8 | 11 |
| 162 | Magnetoimpedance of FeNi-based asymmetric sensitive elements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 87-90   | 2.8 | 11 |
| 161 | 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 |
| 160 | Magnetoimpedance Sensitive Elements Based on CuBe/FeCoNi Electroplated Wires in Single and Double Wire Configurations. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-15                         | 2   | 11 |
| 159 | Magnetoimpedance and magnetization processes of FeCoNi electroplated tubes. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 013908   | 2.5 | 11 |
| 158 | Spin-valve structures with Co-Tb-based multilayers. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 2782-2784   |     | 11 |
| 157 | Induced magnetic anisotropy features in FeCrSiBNbCu nanocrystalline alloy: Role of stress distribution proven by direct X-ray measurements. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 566, 31-36 | 5.7 | 10 |
| 156 | Longitudinal and Transverse Magnetoimpedance in FeNi/Cu/FeNi Multilayers With Longitudinal and Transverse Anisotropy. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 3863-3866                     | 2   | 10 |
| 155 | A Simple Model of the Magnetoresistance Contribution to the Magnetoimpedance Effect in Thin Films. <i>Physica Status Solidi A</i> , <b>1999</b> , 171, R3-R4  |     | 10 |
| 154 | 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  |
| 153 | Exchange bias in FeNi/FeMn/FeNi multilayers. <i>Superlattices and Microstructures</i> , <b>2015</b> , 83, 216-223   | 2.8 | 9  |
| 152 | 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  |
| 151 | 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  |
| 150 | Structural Peculiarities and Magnetic Properties of Nanoscale Terbium in Tb/Ti and Tb/Si Multilayers. <i>Chinese Physics Letters</i> , <b>2006</b> , 23, 196-199  | 1.8 | 9  |
| 149 | Non-linear magnetoimpedance in amorphous ribbons: Large asymmetries and angular dependence. <i>Sensors and Actuators A: Physical</i> , <b>2006</b> , 129, 275-278   | 3.9 | 9  |

|     |  |     |   |
|-----|--|-----|---|
| 148 | Giant Magnetoimpedance Effect in Surface Modified CoFeMoSiB Amorphous Ribbons. <i>Chinese Physics Letters</i> , <b>2003</b> , 20, 2246-2249  | 1.8 | 9 |
| 147 | Influence of Residual Stresses and Their Relaxation on Giant Magnetoimpedance of CoFeSiB Metallic Glasses. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 4939-4944  | 1.4 | 9 |
| 146 | Multilayer Magnetoimpedance Sensor for Nondestructive Testing. <i>Sensor Letters</i> , <b>2009</b> , 7, 374-377  | 0.9 | 9 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |
| 142 | Structure and magnetic properties of nanostructured GdT <sub>b</sub> thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 2273-2276  | 1.6 | 8 |
| 141 | Low field microwave absorption and magnetization process in CoFeNi electroplated wires. <i>Chinese Physics B</i> , <b>2008</b> , 17, 1430-1435   | 1.2 | 8 |
| 140 | MOKE study of Co/Ti/(GdCo) multilayers near the magnetic compensation state. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 419, 25-31   | 5.7 | 8 |
| 139 | Spin-valve magnetoresistive structures based on Co/Tb multilayer films. <i>Technical Physics</i> , <b>2002</b> , 47, 987-990   | 5.0 | 8 |
| 138 | Very high GMI effect in commercial Vitrovac <sup>®</sup> amorphous ribbons. <i>Sensors and Actuators A: Physical</i> , <b>2003</b> , 106, 195-198  | 3.9 | 8 |
| 137 | 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 |
| 136 | Thickness-dependent Curie temperature in ferrimagnetic GdCo/Ti multilayers. <i>Superlattices and Microstructures</i> , <b>2016</b> , 90, 242-246   | 2.8 | 7 |
| 135 | Magnetization processes and magnetic domain structure in weakly coupled GdCo/Si/Co trilayers. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S366-S370  | 5.7 | 7 |
| 134 | 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 |
| 133 | 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 |
| 132 | Magneto-inductive heating of water-based iron oxide ferrofluids <b>2016</b> ,  |     | 6 |
| 131 | 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 |



|     |   |      |   |
|-----|---|------|---|
| 130 | 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 |
| 129 | Temperature dependences of magnetoimpedance of nanocrystalline Fe-based ribbons. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7446-50   | 1.3  | 6 |
| 128 | Temperature dependence of the magnetic properties and magnetoimpedance of nanocrystalline Fe <sub>73.5</sub> Si <sub>16.5</sub> B <sub>6</sub> Nb <sub>3</sub> Cu <sub>1</sub> ribbons. <i>Technical Physics</i> , <b>2011</b> , 56, 395-399              | 0.5  | 6 |
| 127 | Influence of temperature on structure and magnetic properties of exchange coupled TbCo/FeNi bilayers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7566-70  | 1.3  | 6 |
| 126 | Magnetic properties of amorphous thin films deposited by de-focused pulsed laser ablation. <i>Nanotechnology</i> , <b>2003</b> , 14, 1246-1250  | 3.4  | 6 |
| 125 | Magnetostriction Dependence of the Relaxation Frequency in the Magnetoimpedance Effect for Amorphous and Nanocrystalline Ribbons. <i>Chinese Physics Letters</i> , <b>2002</b> , 19, 1870-1873  | 1.8  | 6 |
| 124 | The magnetoresistance contribution to the total magnetoimpedance of thin films: a simple model and experimental basis. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 215-216, 516-518  | 2.8  | 6 |
| 123 | The thermomechanical treatment of an amorphous Co-based alloy with a low Curie temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 160, 307-308   | 2.8  | 6 |
| 122 | Giant magneto-impedance effect in stress-annealed amorphous ribbons. <i>European Physical Journal Special Topics</i> , <b>1998</b> , 08, Pr2-143-Pr2-146  |      | 6 |
| 121 | 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 |
| 120 | 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 |
| 119 | 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 |
| 118 | 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 |
| 117 | Ferrogels Ultrasonography for Biomedical Applications. <i>Sensors</i> , <b>2019</b> , 19,   | 3.8  | 5 |
| 116 | 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 |
| 115 | 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 |
| 114 | Impedance and magnetic properties of CoFeCrSiB amorphous ribbons near the curie point. <i>Technical Physics</i> , <b>2013</b> , 58, 774-777   | 0.5  | 5 |
| 113 | Core-Shell Fine Structure of FeNi Magnetic Nanoparticles Produced by Electrical Explosion of Wire. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4  | 2    | 5 |

|     |  |     |   |
|-----|--|-----|---|
| 112 | Nanostructured Magnetoimpedance Multilayers with Different Thickness of FeNi Components. <i>Solid State Phenomena</i> , <b>2014</b> , 215, 342-347   | 0.4 | 5 |
| 111 | Domain structure, magnetic properties, and giant magnetoimpedance of FeNi/Ti-based multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 2269-2272                               | 1.6 | 5 |
| 110 | Structure and Electrical Resistivity of Sputtered Tb/Ti and Tb/Si Magnetic Multilayers. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 1515-1518  | 2   | 5 |
| 109 | The effect of the additional biasing on the switching process in pseudo spin-valve structure. <i>Vacuum</i> , <b>2007</b> , 81, 1012-1015  | 3.7 | 5 |
| 108 | GMI sensitive element based on commercial Vitrovac $\square$ amorphous ribbon. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 110, 228-231   | 3.9 | 5 |
| 107 | Magnetoimpedance effect in Co-rich metallic glasses. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 183-188   | 2.8 | 5 |
| 106 | Pulsed laser deposition of amorphous soft magnetic thin films for sensor applications. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 329, 8-12  | 3.9 | 5 |
| 105 | Magnetoimpedance effect in the FeNi/Ti-based multilayered structure: A pressure sensor prototype <b>2016</b> ,   |     | 5 |
| 104 | Computer-aided inspection center for magnetoimpedance spectroscopy. <i>Russian Journal of Nondestructive Testing</i> , <b>2016</b> , 52, 647-652   | 0.7 | 5 |
| 103 | Structural and Magnetic Properties of NiFe/Ti Nanoscale Multilayers. <i>Nanomaterials</i> , <b>2018</b> , 8,   | 5.4 | 5 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99  | Ferromagnetic Resonance in Electroplated CuBe/FeCoNi and Amorphous CoFeSiB Wires. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-10   | 2   | 4 |
| 98  | Nanocrystallization in FINEMET-Type FeNbCuSiB and FeNbMoCuSiB Thin Films. <i>Materials</i> , <b>2020</b> , 13,   | 3.5 | 4 |
| 97  | 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 |
| 96  | Giant Magnetoimpedance for Biosensing in Drug Delivery. <i>AIP Conference Proceedings</i> , <b>2008</b> ,  | 0   | 4 |
| 95  | . <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 4476-4479  | 2   | 4 |

|    |   |     |   |
|----|---|-----|---|
| 94 | Effect of the layer thickness on the magnetic properties and structure of terbium in (Tb/Ti) <sub>n</sub> and (Tb/Si) <sub>n</sub> multilayer films. <i>Technical Physics</i> , <b>2005</b> , 50, 914-917 | 0.5 | 4 |
| 93 | Magnetoimpedance simulations in wires and tubes. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 249, 319-323  | 2.8 | 4 |
| 92 | Synthesis and characterisation of electrodeposited Cu <sub>90</sub> Co <sub>10</sub> thin film. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 254-255, 85-87                         | 2.8 | 4 |
| 91 | Peculiarities of ferrimagnetism of Gd/Co multilayers. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 327, 5-10  | 5.7 | 4 |
| 90 | Functional magnetic ferrogels: From biosensors to regenerative medicine. <i>AIP Advances</i> , <b>2020</b> , 10, 1251285  |     | 4 |
| 89 | Magnetoimpedance and Stress-Impedance Effects in Amorphous CoFeSiB Ribbons at Elevated Temperatures. <i>Materials</i> , <b>2020</b> , 13,   | 3.5 | 4 |
| 88 | Magnetic Properties of Iron Oxide Nanoparticles Do Not Essentially Contribute to Ferrogel Biocompatibility. <i>Nanomaterials</i> , <b>2021</b> , 11,  | 5.4 | 4 |
| 87 | 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 |
| 86 | Spin valves based on amorphous ferrimagnetic GdCo films. <i>Physics of Metals and Metallography</i> , <b>2016</b> , 117, 876-882  | 1.2 | 4 |
| 85 | Magnetoimpedance effect in multilayered permalloy structure with different magnetostriction: Small-pressure sensor <b>2017</b> ,  |     | 3 |
| 84 | 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 |
| 83 | Magnetic and Microwave Properties of Carbon-Coated Co- and Fe-Based Amorphous Wires. <i>IEEE Magnetics Letters</i> , <b>2018</b> , 9, 1-5   | 1.6 | 3 |
| 82 | 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 |
| 81 | 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 |
| 80 | Magnetic Properties and Magnetic Entropy Change in Gd/Ti Multilayers. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4   | 2   | 3 |
| 79 | Magnetoimpedance of Amorphous Ferromagnetic CoFeSiB Ribbons in the Wide Temperature Range. <i>Solid State Phenomena</i> , <b>2014</b> , 215, 337-341  | 0.4 | 3 |
| 78 | Magnetoimpedance of Amorphous Ribbons with Polymer Covering. <i>Solid State Phenomena</i> , <b>2014</b> , 215, 325-330  | 0.4 | 3 |
| 77 | A sensitive element based on the giant magnetoimpedance effect for detecting stray fields. <i>Russian Journal of Nondestructive Testing</i> , <b>2009</b> , 45, 595-603                                   | 0.7 | 3 |

|    |  |     |   |
|----|--|-----|---|
| 76 | Magnetic transition in Co/(GdO) multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, e734-e738   | 2.8 | 3 |
| 75 | Induced magnetic phase transitions in GdCo/Co-type multilayer films. <i>Physics of the Solid State</i> , <b>2008</b> , 50, 1481-1486   | 0.8 | 3 |
| 74 | Magnetic properties of electroplated wires coated by ferrofluid. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e55-e58   | 2.8 | 3 |
| 73 | Ferrimagnetic properties of Co/(GdO) multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 304, e703-e705  | 2.8 | 3 |
| 72 | Influence of Various Heat Treatments on Giant Magnetoimpedance Effect in Nanocrystalline FeSiBNbCu Ribbons. <i>Textures and Microstructures</i> , <b>1999</b> , 32, 269-279  |     | 3 |
| 71 | Thickness Dependence of Magnetic Properties of TbO/Ti and TbO/Si Multilayers. <i>Physics of Metals and Metallography</i> , <b>2019</b> , 120, 1260-1265  | 1.2 | 3 |
| 70 | Load Matching for Giant Magnetoimpedance Sensor in Coaxial Configuration. <i>Key Engineering Materials</i> , <b>2019</b> , 826, 19-24  | 0.4 | 3 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | Bimagnetic Microwires, Magnetic Properties, and High-Frequency Behavior. <i>Springer Series in Materials Science</i> , <b>2016</b> , 279-310   | 0.9 | 2 |
| 65 | 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 |
| 64 | 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 |
| 63 | Biocompatible Ferrofluids With Iron Oxide Nanoparticles Fabricated by Laser Target Evaporation. <i>IEEE Magnetism Letters</i> , <b>2015</b> , 6, 1-4   | 1.6 | 2 |
| 62 | Magnetoimpedance in nanostructured Tb/Ti and Tb/Si multilayers. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 023914  | 2.5 | 2 |
| 61 | Magnetic properties and huge magnetic impedance of permalloy/ copper/permalloy film elements. <i>Russian Physics Journal</i> , <b>2009</b> , 52, 1092-1097   | 0.7 | 2 |
| 60 | Magnetic properties and the magnetoimpedance effect of nanostructured Fe <sub>73.5</sub> Si <sub>16.5</sub> B <sub>6</sub> Nb <sub>3</sub> Cu <sub>1</sub> ribbons with induced magnetic anisotropy. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2010</b> , 74, 1466-1468 | 0.4 | 2 |
| 59 | Coupling between Co and GdO layers separated by nonmagnetic spacers. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 396, 113-116   | 2.8 | 2 |

|    |   |     |   |
|----|---|-----|---|
| 58 | Magnetic properties and the giant magnetic impedance of amorphous ribbons of an FeCoCrSiB alloy after small plastic deformation. <i>Physics of Metals and Metallography</i> , <b>2008</b> , 106, 357-363                              | 1.2 | 2 |
| 57 | Magnetic compensation state peculiarities in [Gd-Co/X] <sub>n</sub> layered films. <i>Physics of Metals and Metallography</i> , <b>2006</b> , 101, S81-S83  | 1.2 | 2 |
| 56 | The properties of CoCu melt-spun ribbons and thin films: similarity and difference. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 254-255, 115-117   | 2.8 | 2 |
| 55 | 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 |
| 54 | Magnetoimpedance Based Non-Oriented Field Sensor. <i>Sensor Letters</i> , <b>2007</b> , 5, 180-184  | 0.9 | 2 |
| 53 | The study of magnetic permeability and magnetoimpedance: Effect of ferromagnetic alloy characteristics <b>2020</b> ,  |     | 2 |
| 52 | 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 |
| 51 | 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 |
| 50 | Magnetic Materials for Thin Film Based Magnetoimpedance Biosensing. <i>Physics of Metals and Metallography</i> , <b>2019</b> , 120, 1243-1251   | 1.2 | 2 |
| 49 | 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 |
| 48 | Changes in morphotype in the population of E.coli in the presence of metal containing nanoparticles. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012074  | 0.3 | 2 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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> |     | 1 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |

|    |   |     |   |
|----|---|-----|---|
| 40 | Hysteretic properties of nanostructured terbium films. <i>Technical Physics</i> , <b>2014</b> , 59, 530-534   | 0.5 | 1 |
| 39 | An isotropic magnetic-field transducer based on the giant magnetic impedance effect. <i>Russian Journal of Nondestructive Testing</i> , <b>2013</b> , 49, 474-481   | 0.7 | 1 |
| 38 | Structure and magnetic properties of FeNi/Ti sputtered multilayers. <i>EPJ Web of Conferences</i> , <b>2013</b> , 40, 17002   | 0.3 | 1 |
| 37 | Study of GdCo/Si/Co/Si Multilayers by Polarized Neutron Reflectivity. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 325, 012018  | 0.3 | 1 |
| 36 | Surface magnetic properties of Co <sub>69</sub> Fe <sub>4</sub> Si <sub>15</sub> B <sub>12</sub> when DC and AC currents flow through the ribbon. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 304, e853-e855 | 2.8 | 1 |
| 35 | Magnetic Behaviour of Tb/Si Nanoscale Multilayers with Small Thickness of Rare Earth Layers. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 1717-1719   | 1.8 | 1 |
| 34 | Interlayer Coupling in Co/Ti/(GdO)/Ti Artificial Layered Ferrimagnet. <i>Chinese Physics Letters</i> , <b>2005</b> , 22, 3169-3172  | 1.8 | 1 |
| 33 | Thermal Stability of Field- and Stress-Induced Anisotropy in Nanocrystalline Fe-Based and Amorphous Co-Based Alloys. <i>Textures and Microstructures</i> , <b>1999</b> , 32, 281-287  |     | 1 |
| 32 | Features of the sperimagnetic structure of TbCo-based multilayers <b>2020</b> ,   |     | 1 |
| 31 | Demagnetization Processes in Multilayered Permalloy-Based Film Structures. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 838-843   | 0.6 | 1 |
| 30 | 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 |
| 29 | 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 |
| 28 | Modeling of magnetoimpedance effect in nanostructured multilayered films. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012132   | 0.3 | 1 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |

|    |  |     |   |
|----|--|-----|---|
| 22 | Features of the magnetic properties of Co/Si/Co thin-film systems. <i>Technical Physics Letters</i> , <b>2013</b> , 39, 1089-1092  | 0.7 | 0 |
| 21 | GMI magnetic-particle concentration detection in continuous flow. <i>Procedia Engineering</i> , <b>2010</b> , 5, 1324-1327   |     | 0 |
| 20 | FexNi100-x 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 |
| 19 | 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 |
| 18 | Magnetoimpedance of Periodic Partly Profiled Multilayer Film Structures. <i>Physics of Metals and Metallography</i> , <b>2021</b> , 122, 755-760   | 1.2 | 0 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |   |
| 14 | Magnetic Properties of Iron Oxide Nanoparticles Obtained by Laser Evaporation. <i>Russian Physics Journal</i> , <b>2017</b> , 59, 1491-1497  | 0.7 |   |
| 13 | Magnetic Properties of Thin Films FexNi100-x (x = 20, 17, 15%): Focus on High Frequency Sensor Applications. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 226-231  | 0.6 |   |
| 12 | 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 |   |
| 11 | 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 |   |
| 10 | Specific Features of the Properties of CoCu Granular Media Caused by the Structure of the Material. <i>Russian Physics Journal</i> , <b>2002</b> , 45, 1181-1189   | 0.7 |   |
| 9  | The effect of slight plastic deformation on the formation of induced magnetic anisotropy in Fe-3%Si alloy in the course of thermomechanical treatment above the Curie point. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 157-158, 541-542 | 2.8 |   |
| 8  | 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 |   |
| 7  | 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 |   |
| 6  | Design magnetic matrices for cell technology supporting devices. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1389, 012072   | 0.3 |   |
| 5  | 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 |   |

- |   |   |     |
|---|---|-----|
| 4 | Thermal Reversibility of the Magnetoimpedance of Amorphous CoFeSiB Ribbons. <i>Physics of Metals and Metallography</i> , <b>2021</b> , 122, 731-736   | 1.2 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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   |