

O L Kazakova

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.

169
papers

3,516
citations

31
h-index

51
g-index

181
ext. papers

4,002
ext. citations

4.8
avg, IF

5.3
L-index

#	Paper	IF	Citations
169	Edge ferromagnetism of graphene oxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 544, 1686868		
168	Opportunities in electrically tunable 2D materials beyond graphene: Recent progress and future outlook. <i>Applied Physics Reviews</i> , 2021 , 8, 041320	17.3	4
167	An outlook into the flat land of 2D materials beyond graphene: synthesis, properties and device applications. <i>2D Materials</i> , 2021 , 8, 013001	5.9	12
166	Thermoelectric Signature of Individual Skyrmions. <i>Physical Review Letters</i> , 2021 , 126, 077202	7.4	7
165	Strongly Absorbing Nanoscale Infrared Domains within Strained Bubbles at hBN-Graphene Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57638-57648	9.5	1
164	SThM-based local thermomechanical analysis: Measurement intercomparison and uncertainty analysis. <i>International Journal of Thermal Sciences</i> , 2020 , 156, 106502	4.1	7
163	Contactless probing of graphene charge density variation in a controlled humidity environment. <i>Carbon</i> , 2020 , 163, 408-416	10.4	1
162	Frontiers of graphene and 2D material-based gas sensors for environmental monitoring. <i>2D Materials</i> , 2020 , 7, 032002	5.9	35
161	Enhanced thermally aided memory performance using few-layer ReS ₂ transistors. <i>Applied Physics Letters</i> , 2020 , 116, 052104	3.4	5
160	Towards standardisation of contact and contactless electrical measurements of CVD graphene at the macro-, micro- and nano-scale. <i>Scientific Reports</i> , 2020 , 10, 3223	4.9	6
159	Real-time detection of hepatitis B surface antigen using a hybrid graphene-gold nanoparticle biosensor. <i>2D Materials</i> , 2020 , 7, 024009	5.9	15
158	Comparison and Validation of Different Magnetic Force Microscopy Calibration Schemes. <i>Small</i> , 2020 , 16, e1906144	11	7
157	Round robin comparison on quantitative nanometer scale magnetic field measurements by magnetic force microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 511, 166947	2.8	5
156	European Research on Magnetic Nanoparticles for Biomedical Applications: Standardisation Aspects. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 316-326	0.4	3
155	Modal Frustration and Periodicity Breaking in Artificial Spin Ice. <i>Small</i> , 2020 , 16, e2003141	11	2
154	Local Spin Seebeck Imaging with a Scanning Thermal Probe. <i>Physical Review Applied</i> , 2020 , 14,	4.3	3
153	A Facile Method for the Non-Covalent Amine Functionalization of Carbon-Based Surfaces for Use in Biosensor Development. <i>Nanomaterials</i> , 2020 , 10,	5.4	7

152	Highly resonant graphene plasmon hotspots in complex nanoresonator geometries. <i>2D Materials</i> , 2019 , 6, 021003	5.9	
151	Magnetic imaging using geometrically constrained nano-domain walls. <i>Nanoscale</i> , 2019 , 11, 4478-4488	7.7	12
150	. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-30	2	75
149	Determination of tip transfer function for quantitative MFM using frequency domain filtering and least squares method. <i>Scientific Reports</i> , 2019 , 9, 3880	4.9	10
148	Qualitative analysis of scanning gate microscopy on epitaxial graphene. <i>2D Materials</i> , 2019 , 6, 025023	5.9	2
147	Frontiers of magnetic force microscopy. <i>Journal of Applied Physics</i> , 2019 , 125, 060901	2.5	85
146	Nanoscale mapping of quasiparticle band alignment. <i>Nature Communications</i> , 2019 , 10, 3283	17.4	19
145	Individual skyrmion manipulation by local magnetic field gradients. <i>Communications Physics</i> , 2019 , 2,	5.4	30
144	Probing exciton species in atomically thin WS ₂ /graphene heterostructures. <i>JPhys Materials</i> , 2019 , 2, 025001	4.2	3
143	Probing the nanoscale origin of strain and doping in graphene-hBN heterostructures. <i>2D Materials</i> , 2019 , 6, 015022	5.9	8
142	Direct writing of room temperature and zero field skyrmion lattices by a scanning local magnetic field. <i>Applied Physics Letters</i> , 2018 , 112, 132405	3.4	54
141	Imaging Bulk and Edge Transport near the Dirac Point in Graphene Moiré Superlattices. <i>Nano Letters</i> , 2018 , 18, 2530-2537	11.5	11
140	Detection of Ultralow Concentration NO in Complex Environment Using Epitaxial Graphene Sensors. <i>ACS Sensors</i> , 2018 , 3, 1666-1674	9.2	34
139	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31641-31647	9.5	18
138	Water on graphene: review of recent progress. <i>2D Materials</i> , 2018 , 5, 022001	5.9	88
137	Confocal laser scanning microscopy for rapid optical characterization of graphene. <i>Communications Physics</i> , 2018 , 1,	5.4	24
136	Surface-Mediated Aligned Growth of Monolayer MoS ₂ and In-Plane Heterostructures with Graphene on Sapphire. <i>ACS Nano</i> , 2018 , 12, 10032-10044	16.7	42
135	Room Temperature Uniaxial Magnetic Anisotropy Induced By Fe-Islands in the InSe Semiconductor Van Der Waals Crystal. <i>Advanced Science</i> , 2018 , 5, 1800257	13.6	5

134	Combined anomalous Nernst effect and thermography studies of ultrathin CoFeB/Pt nanowires. <i>AIP Advances</i> , 2017 , 7, 055904	1.5	8
133	Tuning epitaxial graphene sensitivity to water by hydrogen intercalation. <i>Nanoscale</i> , 2017 , 9, 3440-3448	7.7	16
132	Switchable bi-stable multilayer magnetic probes for imaging of soft magnetic structures. <i>Ultramicroscopy</i> , 2017 , 179, 41-46	3.1	4
131	Magnetic scanning gate microscopy of CoFeB lateral spin valve. <i>AIP Advances</i> , 2017 , 7, 056808	1.5	3
130	Role of substrate on interaction of water molecules with graphene oxide and reduced graphene oxide. <i>Carbon</i> , 2017 , 122, 168-175	10.4	13
129	Angular Magnetoresistance of Nanowires with Alternating Cobalt and Nickel Segments. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	4
128	Detection of individual iron-oxide nanoparticles with vertical and lateral sensitivity using domain wall nucleation in CoFeB/Pt nanodevices. <i>AIP Advances</i> , 2017 , 7, 056715	1.5	3
127	Standardisation of magnetic nanoparticles in liquid suspension. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 383003	3	47
126	Hybrid normal metal/ferromagnetic nanojunctions for domain wall tracking. <i>Scientific Reports</i> , 2017 , 7, 6295	4.9	
125	Calibration of multi-layered probes with low/high magnetic moments. <i>Scientific Reports</i> , 2017 , 7, 7224	4.9	14
124	Room temperature ferromagnetism in low dose ion implanted counter-doped Ge:Mn, As. <i>Physica B: Condensed Matter</i> , 2017 , 523, 1-5	2.8	0
123	V-Shaped Domain Wall Probes for Calibrated Magnetic Force Microscopy. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	7
122	Nanoscale thermoelectrical detection of magnetic domain wall propagation. <i>Physical Review B</i> , 2017 , 95,	3.3	14
121	Magnetic scanning gate microscopy of a domain wall nanosensor using microparticle probe. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 225-229	2.8	9
120	Excitonic Effects in Tungsten Disulfide Monolayers on Two-Layer Graphene. <i>ACS Nano</i> , 2016 , 10, 7840-6	16.7	34
119	Detection of a magnetic bead by hybrid nanodevices using scanning gate microscopy. <i>AIP Advances</i> , 2016 , 6, 056502	1.5	3
118	Surface and interface structure of quasi-free standing graphene on SiC. <i>2D Materials</i> , 2016 , 3, 025023	5.9	17
117	Atmospheric doping effects in epitaxial graphene: correlation of local and global electrical studies. <i>2D Materials</i> , 2016 , 3, 015006	5.9	37

116	Magnetic Particle Nanosensing by Nucleation of Domain Walls in Ultra-Thin CoFeB/Pt Devices. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-5	2	3
115	Visualization of Grain Structure and Boundaries of Polycrystalline Graphene and Two-Dimensional Materials by Epitaxial Growth of Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2016 , 10, 3233-40	16.7	52
114	Effects of humidity on the electronic properties of graphene prepared by chemical vapour deposition. <i>Carbon</i> , 2016 , 103, 273-280	10.4	49
113	Controlled manipulation of domain walls in ultra-thin CoFeB nanodevices. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 219-224	2.8	6
112	Characterization and physical modeling of MOS capacitors in epitaxial graphene monolayers and bilayers on 6H-SiC. <i>AIP Advances</i> , 2016 , 6, 085010	1.5	6
111	Structural, optical and electrostatic properties of single and few-layers MoS ₂ : effect of substrate. <i>2D Materials</i> , 2015 , 2, 015005	5.9	63
110	Thickness-Dependent Hydrophobicity of Epitaxial Graphene. <i>ACS Nano</i> , 2015 , 9, 8401-11	16.7	93
109	Influence of Geometry on Domain Wall Dynamics in Permalloy Nanodevices. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	5
108	Magnetic bead detection using domain wall-based nanosensor. <i>Journal of Applied Physics</i> , 2015 , 117, 17E313	2.5	13
107	Modeling of graphene Hall effect sensors for microbead detection. <i>Journal of Applied Physics</i> , 2015 , 117, 17B732	2.5	6
106	Anisotropic magnetoresistance effect in sub-micron nickel disks. <i>Journal of Applied Physics</i> , 2015 , 117, 17E134	2.5	5
105	Low contact resistance in epitaxial graphene devices for quantum metrology. <i>AIP Advances</i> , 2015 , 5, 087134	1.34	13
104	Phase diagram of magnetic states in nickel submicron disks. <i>Journal of Applied Physics</i> , 2015 , 118, 023906	6.5	7
103	Multifunctional semiconductor micro-Hall devices for magnetic, electric, and photo-detection. <i>Applied Physics Letters</i> , 2015 , 107, 233504	3.4	4
102	Water Affinity to Epitaxial Graphene: The Impact of Layer Thickness. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500252	4.6	26
101	Classification of Magnetic Nanoparticle Systems--Synthesis, Standardization and Analysis Methods in the NanoMag Project. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 20308-25	6.3	51
100	Carrier type inversion in quasi-free standing graphene: studies of local electronic and structural properties. <i>Scientific Reports</i> , 2015 , 5, 10505	4.9	45
99	Electrostatic transparency of graphene oxide sheets. <i>Carbon</i> , 2015 , 86, 188-196	10.4	9

98	Anisotropic magnetoresistance state space of permalloy nanowires with domain wall pinning geometry. <i>Scientific Reports</i> , 2014 , 4, 6045	4.9	28
97	Visualisation of edge effects in side-gated graphene nanodevices. <i>Scientific Reports</i> , 2014 , 4, 5881	4.9	26
96	Exploring graphene formation on the C-terminated face of SiC by structural, chemical and electrical methods. <i>Carbon</i> , 2014 , 69, 221-229	10.4	18
95	Simultaneous magnetoresistance and magneto-optical measurements of domain wall properties in nanodevices. <i>Journal of Applied Physics</i> , 2014 , 115, 17C718	2.5	13
94	Magnetic scanning gate microscopy of graphene Hall devices (invited). <i>Journal of Applied Physics</i> , 2014 , 115, 172606	2.5	20
93	Modeling of Anisotropic Magnetoresistance Properties of Permalloy Nanostructures. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	16
92	Local electric field screening in bi-layer graphene devices. <i>Frontiers in Physics</i> , 2014 , 2,	3.9	20
91	Magnetic, Structural, and Particle Size Analysis of Single- and Multi-Core Magnetic Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
90	Tailoring of Domain Wall Devices for Sensing Applications. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	3
89	3-D Mapping of Sensitivity of Graphene Hall Devices to Local Magnetic and Electrical Fields. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3445-3448	2	11
88	Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3520-3523	2	17
87	Express optical analysis of epitaxial graphene on SiC: impact of morphology on quantum transport. <i>Nano Letters</i> , 2013 , 13, 4217-23	11.5	44
86	Epitaxial Graphene and GrapheneBased Devices Studied by Electrical Scanning Probe Microscopy. <i>Crystals</i> , 2013 , 3, 191-233	2.3	60
85	Investigation of Material Effects With Micro-Sized SQUID Sensors. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 1602004-1602004	1.8	7
84	Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 97-100	2	11
83	Ferromagnetism in nanomesh graphene. <i>Carbon</i> , 2013 , 51, 390-396	10.4	50
82	Standardization of surface potential measurements of graphene domains. <i>Scientific Reports</i> , 2013 , 3, 2597	4.9	164
81	Epitaxial graphene on SiC(0001): functional electrical microscopy studies and effect of atmosphere. <i>Nanotechnology</i> , 2013 , 24, 215702	3.4	20

80	Optimization of Hall bar response to localized magnetic and electric fields. <i>Journal of Applied Physics</i> , 2013 , 113, 064504	2.5	10
79	Surface potential variations in epitaxial graphene devices investigated by Electrostatic Force Spectroscopy 2012 ,		5
78	Identification of epitaxial graphene domains and adsorbed species in ambient conditions using quantified topography measurements. <i>Journal of Applied Physics</i> , 2012 , 112, 054308	2.5	27
77	Small epitaxial graphene devices for magnetosensing applications. <i>Journal of Applied Physics</i> , 2012 , 111, 07E509	2.5	42
76	Modelling and optimization of submicron Hall sensors for the detection of superparamagnetic beads. <i>Journal of Applied Physics</i> , 2012 , 111, 07E513	2.5	13
75	Carbon Nanotube Bolometer: Transport Properties and Noise Characteristics. <i>Solid State Phenomena</i> , 2012 , 190, 510-513	0.4	1
74	Detection and susceptibility measurements of a single Dynal bead. <i>Journal of Applied Physics</i> , 2011 , 110, 063916	2.5	23
73	Readout System for NanoSQUID Sensors Using a SQUID Amplifier. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 408-411	1.8	5
72	Mapping of local electrical properties in epitaxial graphene using electrostatic force microscopy. <i>Nano Letters</i> , 2011 , 11, 2324-8	11.5	77
71	Synthesis and Magnetic Characterization of Coaxial Ge _{1-x} Mnx/a-Si Heterostructures. <i>Crystal Growth and Design</i> , 2011 , 11, 5253-5259	3.5	4
70	Mapping the placement of oligonucleotide molecules using scanning probe microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 83, 10-5	6	1
69	Engineering and metrology of epitaxial graphene. <i>Solid State Communications</i> , 2011 , 151, 1094-1099	1.6	21
68	Room-temperature ferromagnetism in Mn-implanted amorphous Ge. <i>Physical Review B</i> , 2011 , 83,	3.3	21
67	Detection of single magnetic nanobead with a nano-superconducting quantum interference device. <i>Applied Physics Letters</i> , 2011 , 98, 092504	3.4	54
66	Towards a quantum resistance standard based on epitaxial graphene. <i>Nature Nanotechnology</i> , 2010 , 5, 186-9	28.7	338
65	Single particle detection: Phase control in submicron Hall sensors. <i>Journal of Applied Physics</i> , 2010 , 108, 103918	2.5	13
64	Magnetic nanoparticle detection using nano-SQUID sensors. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 474004	3	20
63	Unusual magnetism in templated NiS nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 076001	0.8	12

62	Ultrasmall particle detection using a submicron Hall sensor. <i>Journal of Applied Physics</i> , 2010 , 107, 09E708-5	18
61	Nonlinear spin-wave phenomena in the $[Mn\{(R/S)-pn\}_2]_2[Mn\{(R/S)-pn\}_2H_2O][Cr(CN)_6]$ molecular ferrimagnet. <i>Physical Review B</i> , 2010 , 82,	3.3 11
60	Effect of annealing on the microwave magnetoresistance of thin $Ge_{0.96}Mn_{0.04}$ films. <i>Semiconductors</i> , 2010 , 44, 303-308	0.7 2
59	Effect of nanostructuring of the $Ge_{1-x}Mn_x$ single-crystal alloy on the percolation and cluster ferromagnetism. <i>Physics of the Solid State</i> , 2010 , 52, 748-751	0.8
58	Magnetic Properties of Single Crystalline $Ge_{1-x}Mn_x$ Nanowires. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4085-4088	2 6
57	Detection of a Micron-Sized Magnetic Particle Using InSb Hall Sensor. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4499-4502	2 10
56	Spin-wave resonance in $Ge_{1-x}Mn_x$ films exhibiting percolation ferromagnetism. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 108, 985-991	1 12
55	Spin-orbit interaction of charge carriers with impurities in aligned $Ge_{0.99}Me_{0.01}$ (Me = Mn, Cr, Co, Fe) nanowires. <i>Semiconductors</i> , 2009 , 43, 896-900	0.7 2
54	Electron spin resonance in oriented nanowires $Ge_{0.99}Cr_{0.01}$. <i>Physics of the Solid State</i> , 2009 , 51, 1709-1715	2
53	Single crystalline $Ge(1-x)Mn(x)$ nanowires as building blocks for nanoelectronics. <i>Nano Letters</i> , 2009 , 9, 50-6	11.5 67
52	Percolation ferromagnetism and spin waves in Ge:Mn thin films. <i>Physical Review B</i> , 2009 , 80,	3.3 22
51	The route to single magnetic particle detection: a carbon nanotube decorated with a finite number of nanocubes. <i>Nanotechnology</i> , 2009 , 20, 335301	3.4 10
50	Electron spin resonance of charge carriers and antiferromagnetic clusters in $Ge_{0.99}Cr_{0.01}$ nanowires. <i>Journal of Applied Physics</i> , 2009 , 105, 093922	2.5 10
49	Electron spin resonance and microwave magnetoresistance in Ge:Mn thin films. <i>Physical Review B</i> , 2008 , 78,	3.3 29
48	Effect of magnetic defects and dimensionality on the spin dynamics of GeMn systems: Electron spin resonance measurements. <i>Physical Review B</i> , 2008 , 77,	3.3 25
47	Microwave magnetoresistance in Ge:Mn nanowires and nanofilms. <i>Science and Technology of Advanced Materials</i> , 2008 , 9, 024207	7.1 6
46	Optimization of 2DEG InAs/GaSb Hall Sensors for Single Particle Detection. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4480-4483	2 56
45	Micromagnetic simulations of hysteresis in an array of cobalt nanotubes. <i>Physica B: Condensed Matter</i> , 2008 , 403, 360-363	2.8 7

44	Spin solitons and spin waves in chiral and racemic molecular based ferrimagnets. <i>Physical Review B</i> , 2008 , 77,	3.3	27
43	Microwave magnetoresistance and electron spin resonance in Ge:Mn thin films and nanowires. <i>Journal of Experimental and Theoretical Physics</i> , 2008 , 107, 113-125	1	2
42	Spin dynamics in oriented ferromagnetic nanowires Ge _{0.99} Co _{0.01} . <i>Physics of the Solid State</i> , 2008 , 50, 1103-1109	0.8	5
41	The synthesis and characterisation of ferromagnetic CaMn ₂ O ₄ nanowires. <i>ChemPhysChem</i> , 2007 , 8, 1694-1700	5.200	12
40	Synthesis and characterization of nanoparticulate MnS within the pores of mesoporous silica. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 3443-3449	3.3	8
39	Electron spin resonance in Ge nanowires doped with Mn. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e824-e826	2.8	12
38	Electron spin resonance in Ge _{0.99} Mn _{0.01} nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, 210-213	2.8	9
37	Effects of size and interactions on the magnetic behaviour of elliptical (001)Fe nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, 181-183	2.8	4
36	Magnetic resonance in Ge _{0.99} Mn _{0.01} nanowires. <i>Physics of the Solid State</i> , 2007 , 49, 296-301	0.8	6
35	SUPERCRITICAL FLUID PROCESSING OF FUNCTIONAL OXIDE CORE-SHELL NANOCABLE ARRAYS. <i>Integrated Ferroelectrics</i> , 2007 , 92, 77-86	0.8	
34	Scanned micro-Hall microscope for detection of biofunctionalized magnetic beads. <i>Applied Physics Letters</i> , 2007 , 90, 162502	3.4	8
33	Influence of thermal coupling on spin avalanches in Mn ₁₂ -acetate. <i>Physical Review B</i> , 2007 , 76,	3.3	7
32	Engineering the magnetic properties of Ge _{1-x} Mn _x nanowires. <i>Journal of Applied Physics</i> , 2007 , 101, 09H108	10.8	13
31	Tunable magnetic properties of metal/metal oxide nanoscale coaxial cables. <i>Physical Review B</i> , 2006 , 74,	3.3	24
30	Synthesis and characterization of highly ordered cobalt-magnetite nanocable arrays. <i>Small</i> , 2006 , 2, 1299-1307	1.307	38
29	Dilute magnetic semiconductor nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 85, 277-286	2.6	71
28	Probing the magnetic properties of cobalt-germanium nanocable arrays. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2408		28
27	Self-organization of Mn ₁₂ single-molecule magnets into ring structures induced by breath-figures as templates. <i>Chemical Communications</i> , 2005 , 5615-7	5.8	28

26	Structural and Magnetic Characterization of Ge _{0.99} Mn _{0.01} Nanowire Arrays. <i>Chemistry of Materials</i> , 2005 , 17, 3615-3619	9.6	41
25	On the realization of artificial XY spin chains. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, L27-L33	1.8	12
24	Temperature dependence of magnetization reversal in Co and Fe ₃ O ₄ nanowire arrays. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 286, 171-176	2.8	17
23	Room-temperature ferromagnetism in Ge _{1-x} Mn _x nanowires. <i>Physical Review B</i> , 2005 , 72,	3.3	67
22	Influence of interface-related anisotropy on magnetic properties of Fe- and Co-based thin films and patterned structures. <i>Journal of Applied Physics</i> , 2004 , 96, 6512-6519	2.5	4
21	Interplay between shape and magnetocrystalline anisotropies in patterned bcc Fe/Co(001) multilayers. <i>Physical Review B</i> , 2004 , 69,	3.3	14
20	Influence of post-annealing on the properties of Fe ₅₀ Pt ₅₀ film and submicron size particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1359-E1361	2.8	3
19	Micromagnetic studies of Fe/Co ellipses with competing anisotropy contributions. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1297-E1298	2.8	1
18	Influence of interfaces on the magnetic properties of submicron FeCo elements. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1640-1641	2.8	1
17	Domain structure of circular and ring magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 258-259, 348-351	2.8	12
16	Magnetic properties of submicron permalloy elements: Effects of heat treatment. <i>Journal of Applied Physics</i> , 2003 , 93, 7334-7336	2.5	4
15	Measurement of the spatial sensitivity of miniature SQUIDs using magnetic-tipped STM. <i>Superconductor Science and Technology</i> , 2003 , 16, 1570-1574	3.1	23
14	Spin-wave spectra in nanometric elliptical dots arrays. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 2750-2752		7
13	Magnetic properties of FePt circular dots. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 2747-2749	2	13
12	Submicron Size Particles of Magnetic Films and Multilayers 2003 , 213-226		3
11	Magnetic properties of submicron size particles made from Fe/Co multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 240, 21-23	2.8	3
10	Submicron particles of Fe/Co multilayers: Influence of interactions. <i>Journal of Applied Physics</i> , 2002 , 91, 7044	2.5	5
9	Magnetic domain structures in submicron-size particles of epitaxial Fe (001) films: Shape anisotropy and thickness dependence. <i>Physical Review B</i> , 2002 , 66,	3.3	28

8	Arrays of epitaxial Co submicron particles: Critical size for single-domain formation and multidomain structures. <i>Journal of Applied Physics</i> , 2001 , 90, 2440-2446	2.5	28
7	Influence of the concentration of Ca impurity on the magnetic threshold of the magnetoplastic effect in NaCl crystals. <i>Physics of the Solid State</i> , 1998 , 40, 70-73	0.8	3
6	Magnetoplastic effect in irradiated NaCl and LiF crystals. <i>Journal of Experimental and Theoretical Physics</i> , 1997 , 84, 338-344	1	8
5	Magnetoplastic effect and spin-lattice relaxation in a dislocation-paramagnetic-center system. <i>JETP Letters</i> , 1996 , 63, 668-673	1.2	17
4	Magnetoplastic effect in non-magnetic crystals and internal friction. <i>Journal of Alloys and Compounds</i> , 1994 , 211-212, 548-553	5.7	34
3	Interfacial ferroelectricity in marginally twisted 2D semiconductors		2
2	A Rapid Graphene Sensor Platform for the Detection of Viral Proteins in Low Volume Samples. <i>Advanced NanoBiomed Research</i> , 2100140	0	0
1	Probing Nanoscale Schottky Barrier Characteristics at WSe ₂ /Graphene Heterostructures via Electrostatic Doping. <i>Advanced Electronic Materials</i> , 2200196	6.4	1