

O L Kazakova

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6450160/o-l-kazakova-publications-by-citations.pdf>

Version: 2024-04-28

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.

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	Towards a quantum resistance standard based on epitaxial graphene. <i>Nature Nanotechnology</i> , 2010 , 5, 186-9	28.7	338
168	Standardization of surface potential measurements of graphene domains. <i>Scientific Reports</i> , 2013 , 3, 2597	4.9	164
167	Thickness-Dependent Hydrophobicity of Epitaxial Graphene. <i>ACS Nano</i> , 2015 , 9, 8401-11	16.7	93
166	Water on graphene: review of recent progress. <i>2D Materials</i> , 2018 , 5, 022001	5.9	88
165	Frontiers of magnetic force microscopy. <i>Journal of Applied Physics</i> , 2019 , 125, 060901	2.5	85
164	Mapping of local electrical properties in epitaxial graphene using electrostatic force microscopy. <i>Nano Letters</i> , 2011 , 11, 2324-8	11.5	77
163	. <i>IEEE Transactions on Magnetism</i> , 2019 , 55, 1-30	2	75
162	Dilute magnetic semiconductor nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 85, 277-286	2.6	71
161	Single crystalline Ge(1-x)Mn(x) nanowires as building blocks for nanoelectronics. <i>Nano Letters</i> , 2009 , 9, 50-6	11.5	67
160	Room-temperature ferromagnetism in Ge _{1-x} Mn _x nanowires. <i>Physical Review B</i> , 2005 , 72,	3.3	67
159	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
158	Epitaxial Graphene and GrapheneBased Devices Studied by Electrical Scanning Probe Microscopy. <i>Crystals</i> , 2013 , 3, 191-233	2.3	60
157	Optimization of 2DEG InAs/GaSb Hall Sensors for Single Particle Detection. <i>IEEE Transactions on Magnetism</i> , 2008 , 44, 4480-4483	2	56
156	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
155	Detection of single magnetic nanobead with a nano-superconducting quantum interference device. <i>Applied Physics Letters</i> , 2011 , 98, 092504	3.4	54
154	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
153	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

152	Ferromagnetism in nanomesh graphene. <i>Carbon</i> , 2013 , 51, 390-396	10.4	50
151	Effects of humidity on the electronic properties of graphene prepared by chemical vapour deposition. <i>Carbon</i> , 2016 , 103, 273-280	10.4	49
150	Standardisation of magnetic nanoparticles in liquid suspension. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 383003	3	47
149	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
148	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
147	Small epitaxial graphene devices for magnetosensing applications. <i>Journal of Applied Physics</i> , 2012 , 111, 07E509	2.5	42
146	Surface-Mediated Aligned Growth of Monolayer MoS and In-Plane Heterostructures with Graphene on Sapphire. <i>ACS Nano</i> , 2018 , 12, 10032-10044	16.7	42
145	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
144	Synthesis and characterization of highly ordered cobalt-magnetite nanocable arrays. <i>Small</i> , 2006 , 2, 1299-307	30	38
143	Atmospheric doping effects in epitaxial graphene: correlation of local and global electrical studies. <i>2D Materials</i> , 2016 , 3, 015006	5.9	37
142	Frontiers of graphene and 2D material-based gas sensors for environmental monitoring. <i>2D Materials</i> , 2020 , 7, 032002	5.9	35
141	Excitonic Effects in Tungsten Disulfide Monolayers on Two-Layer Graphene. <i>ACS Nano</i> , 2016 , 10, 7840-6	16.7	34
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	Magnetoplastic effect in non-magnetic crystals and internal friction. <i>Journal of Alloys and Compounds</i> , 1994 , 211-212, 548-553	5.7	34
138	Individual skyrmion manipulation by local magnetic field gradients. <i>Communications Physics</i> , 2019 , 2,	5.4	30
137	Electron spin resonance and microwave magnetoresistance in Ge:Mn thin films. <i>Physical Review B</i> , 2008 , 78,	3.3	29
136	Anisotropic magnetoresistance state space of permalloy nanowires with domain wall pinning geometry. <i>Scientific Reports</i> , 2014 , 4, 6045	4.9	28
135	Probing the magnetic properties of cobalt-germanium nanocable arrays. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2408		28

134	Self-organization of Mn12 single-molecule magnets into ring structures induced by breath-figures as templates. <i>Chemical Communications</i> , 2005 , 5615-7	5.8	28
133	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
132	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
131	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
130	Spin solitons and spin waves in chiral and racemic molecular based ferrimagnets. <i>Physical Review B</i> , 2008 , 77,	3.3	27
129	Visualisation of edge effects in side-gated graphene nanodevices. <i>Scientific Reports</i> , 2014 , 4, 5881	4.9	26
128	Water Affinity to Epitaxial Graphene: The Impact of Layer Thickness. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500252	4.6	26
127	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
126	Tunable magnetic properties of metal/metal oxide nanoscale coaxial cables. <i>Physical Review B</i> , 2006 , 74,	3.3	24
125	Confocal laser scanning microscopy for rapid optical characterization of graphene. <i>Communications Physics</i> , 2018 , 1,	5.4	24
124	Detection and susceptibility measurements of a single Dynal bead. <i>Journal of Applied Physics</i> , 2011 , 110, 063916	2.5	23
123	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
122	Percolation ferromagnetism and spin waves in Ge:Mn thin films. <i>Physical Review B</i> , 2009 , 80,	3.3	22
121	Engineering and metrology of epitaxial graphene. <i>Solid State Communications</i> , 2011 , 151, 1094-1099	1.6	21
120	Room-temperature ferromagnetism in Mn-implanted amorphous Ge. <i>Physical Review B</i> , 2011 , 83,	3.3	21
119	Magnetic scanning gate microscopy of graphene Hall devices (invited). <i>Journal of Applied Physics</i> , 2014 , 115, 172606	2.5	20
118	Local electric field screening in bi-layer graphene devices. <i>Frontiers in Physics</i> , 2014 , 2,	3.9	20
117	Epitaxial graphene on SiC(0001): functional electrical microscopy studies and effect of atmosphere. <i>Nanotechnology</i> , 2013 , 24, 215702	3.4	20

116	Magnetic nanoparticle detection using nano-SQUID sensors. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 474004	3	20
115	Nanoscale mapping of quasiparticle band alignment. <i>Nature Communications</i> , 2019 , 10, 3283	17.4	19
114	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31641-31647	9.5	18
113	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
112	Ultrasmall particle detection using a submicron Hall sensor. <i>Journal of Applied Physics</i> , 2010 , 107, 09E708.5	8.5	18
111	Surface and interface structure of quasi-free standing graphene on SiC. <i>2D Materials</i> , 2016 , 3, 025023	5.9	17
110	Magnetic Scanning Probe Calibration Using Graphene Hall Sensor. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3520-3523	2	17
109	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
108	Magnetoplastic effect and spin-lattice relaxation in a dislocation-paramagnetic-center system. <i>JETP Letters</i> , 1996 , 63, 668-673	1.2	17
107	Tuning epitaxial graphene sensitivity to water by hydrogen intercalation. <i>Nanoscale</i> , 2017 , 9, 3440-3448	7.7	16
106	Modeling of Anisotropic Magnetoresistance Properties of Permalloy Nanostructures. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	16
105	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
104	Calibration of multi-layered probes with low/high magnetic moments. <i>Scientific Reports</i> , 2017 , 7, 7224	4.9	14
103	Nanoscale thermoelectrical detection of magnetic domain wall propagation. <i>Physical Review B</i> , 2017 , 95,	3.3	14
102	Interplay between shape and magnetocrystalline anisotropies in patterned bcc Fe/Co(001) multilayers. <i>Physical Review B</i> , 2004 , 69,	3.3	14
101	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
100	Magnetic bead detection using domain wall-based nanosensor. <i>Journal of Applied Physics</i> , 2015 , 117, 17E313	2.5	13
99	Simultaneous magnetoresistance and magneto-optical measurements of domain wall properties in nanodevices. <i>Journal of Applied Physics</i> , 2014 , 115, 17C718	2.5	13

98	Low contact resistance in epitaxial graphene devices for quantum metrology. <i>AIP Advances</i> , 2015 , 5, 087134	1.34	13
97	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
96	Single particle detection: Phase control in submicron Hall sensors. <i>Journal of Applied Physics</i> , 2010 , 108, 103918	2.5	13
95	Engineering the magnetic properties of Ge _{1-x} Mn _x nanowires. <i>Journal of Applied Physics</i> , 2007 , 101, 09H108	1.8	13
94	Magnetic properties of FePt circular dots. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 2747-2749	2	13
93	Magnetic imaging using geometrically constrained nano-domain walls. <i>Nanoscale</i> , 2019 , 11, 4478-4488	7.7	12
92	Unusual magnetism in templated NiS nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 076001	1.8	12
91	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
90	The synthesis and characterisation of ferromagnetic CaMn ₂ O ₄ nanowires. <i>ChemPhysChem</i> , 2007 , 8, 1694-1700	5.200	12
89	Electron spin resonance in Ge nanowires doped with Mn. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e824-e826	2.8	12
88	Domain structure of circular and ring magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 258-259, 348-351	2.8	12
87	On the realization of artificial XY spin chains. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, L27-L33	1.8	12
86	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
85	Imaging Bulk and Edge Transport near the Dirac Point in Graphene Moiré Superlattices. <i>Nano Letters</i> , 2018 , 18, 2530-2537	11.5	11
84	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
83	Epitaxial Graphene Sensors for Detection of Small Magnetic Moments. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 97-100	2	11
82	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
81	Nonlinear spin-wave phenomena in the [Mn ₂ (R/S-pn) ₂][Mn ₂ (R/S-pn) ₂ H ₂ O][Cr(CN) ₆] molecular ferrimagnet. <i>Physical Review B</i> , 2010 , 82,	3.3	11

80	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
79	Optimization of Hall bar response to localized magnetic and electric fields. <i>Journal of Applied Physics</i> , 2013 , 113, 064504	2.5	10
78	Detection of a Micron-Sized Magnetic Particle Using InSb Hall Sensor. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4499-4502	2	10
77	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
76	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
75	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
74	Electrostatic transparency of graphene oxide sheets. <i>Carbon</i> , 2015 , 86, 188-196	10.4	9
73	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
72	Combined anomalous Nernst effect and thermography studies of ultrathin CoFeB/Pt nanowires. <i>AIP Advances</i> , 2017 , 7, 055904	1.5	8
71	Magnetoplastic effect in irradiated NaCl and LiF crystals. <i>Journal of Experimental and Theoretical Physics</i> , 1997 , 84, 338-344	1	8
70	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
69	Scanned micro-Hall microscope for detection of biofunctionalized magnetic beads. <i>Applied Physics Letters</i> , 2007 , 90, 162502	3.4	8
68	Probing the nanoscale origin of strain and doping in graphene-hBN heterostructures. <i>2D Materials</i> , 2019 , 6, 015022	5.9	8
67	SThM-based local thermomechanical analysis: Measurement intercomparison and uncertainty analysis. <i>International Journal of Thermal Sciences</i> , 2020 , 156, 106502	4.1	7
66	Comparison and Validation of Different Magnetic Force Microscopy Calibration Schemes. <i>Small</i> , 2020 , 16, e1906144	11	7
65	Investigation of Material Effects With Micro-Sized SQUID Sensors. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 1602004-1602004	1.8	7
64	V-Shaped Domain Wall Probes for Calibrated Magnetic Force Microscopy. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	7
63	Phase diagram of magnetic states in nickel submicron disks. <i>Journal of Applied Physics</i> , 2015 , 118, 023906.5	7	7

62	Micromagnetic simulations of hysteresis in an array of cobalt nanotubes. <i>Physica B: Condensed Matter</i> , 2008 , 403, 360-363	2.8	7
61	Influence of thermal coupling on spin avalanches in Mn ₁₂ -acetate. <i>Physical Review B</i> , 2007 , 76,	3.3	7
60	Spin-wave spectra in nanometric elliptical dots arrays. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 2750-2752		7
59	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
58	Thermoelectric Signature of Individual Skyrmions. <i>Physical Review Letters</i> , 2021 , 126, 077202	7.4	7
57	Modeling of graphene Hall effect sensors for microbead detection. <i>Journal of Applied Physics</i> , 2015 , 117, 17B732	2.5	6
56	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
55	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
54	Magnetic Properties of Single Crystalline Ge _{1-x} Mn _x Nanowires. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4085-4088	2	6
53	Microwave magnetoresistance in Ge:Mn nanowires and nanofilms. <i>Science and Technology of Advanced Materials</i> , 2008 , 9, 024207	7.1	6
52	Magnetic resonance in Ge _{0.99} Mn _{0.01} nanowires. <i>Physics of the Solid State</i> , 2007 , 49, 296-301	0.8	6
51	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
50	Influence of Geometry on Domain Wall Dynamics in Permalloy Nanodevices. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	5
49	Anisotropic magnetoresistance effect in sub-micron nickel disks. <i>Journal of Applied Physics</i> , 2015 , 117, 17E134	2.5	5
48	Enhanced thermally aided memory performance using few-layer ReS ₂ transistors. <i>Applied Physics Letters</i> , 2020 , 116, 052104	3.4	5
47	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
46	Surface potential variations in epitaxial graphene devices investigated by Electrostatic Force Spectroscopy 2012 ,		5
45	Readout System for NanoSQUID Sensors Using a SQUID Amplifier. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 408-411	1.8	5

44	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
43	Submicron particles of Fe/Co multilayers: Influence of interactions. <i>Journal of Applied Physics</i> , 2002 , 91, 7044	2.5	5
42	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
41	Switchable bi-stable multilayer magnetic probes for imaging of soft magnetic structures. <i>Ultramicroscopy</i> , 2017 , 179, 41-46	3.1	4
40	Angular Magnetoresistance of Nanowires with Alternating Cobalt and Nickel Segments. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-5	2	4
39	Multifunctional semiconductor micro-Hall devices for magnetic, electric, and photo-detection. <i>Applied Physics Letters</i> , 2015 , 107, 233504	3.4	4
38	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
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	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
35	Magnetic properties of submicron permalloy elements: Effects of heat treatment. <i>Journal of Applied Physics</i> , 2003 , 93, 7334-7336	2.5	4
34	Opportunities in electrically tunable 2D materials beyond graphene: Recent progress and future outlook. <i>Applied Physics Reviews</i> , 2021 , 8, 041320	17.3	4
33	Magnetic scanning gate microscopy of CoFeB lateral spin valve. <i>AIP Advances</i> , 2017 , 7, 056808	1.5	3
32	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
31	Detection of a magnetic bead by hybrid nanodevices using scanning gate microscopy. <i>AIP Advances</i> , 2016 , 6, 056502	1.5	3
30	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
29	Tailoring of Domain Wall Devices for Sensing Applications. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	3
28	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
27	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

26	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
25	European Research on Magnetic Nanoparticles for Biomedical Applications: Standardisation Aspects. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 316-326	0.4	3
24	Submicron Size Particles of Magnetic Films and Multilayers 2003 , 213-226		3
23	Local Spin Seebeck Imaging with a Scanning Thermal Probe. <i>Physical Review Applied</i> , 2020 , 14,	4.3	3
22	Probing exciton species in atomically thin WS ₂ /graphene heterostructures. <i>JPhys Materials</i> , 2019 , 2, 025001	4.2	3
21	Qualitative analysis of scanning gate microscopy on epitaxial graphene. <i>2D Materials</i> , 2019 , 6, 025023	5.9	2
20	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
19	Electron spin resonance in oriented nanowires Ge _{0.99} Cr _{0.01} . <i>Physics of the Solid State</i> , 2009 , 51, 1709-1715		2
18	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
17	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
16	Modal Frustration and Periodicity Breaking in Artificial Spin Ice. <i>Small</i> , 2020 , 16, e2003141	11	2
15	Interfacial ferroelectricity in marginally twisted 2D semiconductors		2
14	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
13	Contactless probing of graphene charge density variation in a controlled humidity environment. <i>Carbon</i> , 2020 , 163, 408-416	10.4	1
12	Mapping the placement of oligonucleotide molecules using scanning probe microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 83, 10-5	6	1
11	Carbon Nanotube Bolometer: Transport Properties and Noise Characteristics. <i>Solid State Phenomena</i> , 2012 , 190, 510-513	0.4	1
10	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
9	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

8	Probing Nanoscale Schottky Barrier Characteristics at WSe ₂ /Graphene Heterostructures via Electrostatic Doping. <i>Advanced Electronic Materials</i> , 2020, 9, 2200196	6.4	1
7	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
6	A Rapid Graphene Sensor Platform for the Detection of Viral Proteins in Low Volume Samples. <i>Advanced NanoBiomed Research</i> , 2020, 2, 2100140	0	0
5	Highly resonant graphene plasmon hotspots in complex nanoresonator geometries. <i>2D Materials</i> , 2019, 6, 021003	5.9	
4	Hybrid normal metal/ferromagnetic nanojunctions for domain wall tracking. <i>Scientific Reports</i> , 2017, 7, 6295	4.9	
3	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	
2	SUPERCRITICAL FLUID PROCESSING OF FUNCTIONAL OXIDE CORE-SHELL NANOCABLE ARRAYS. <i>Integrated Ferroelectrics</i> , 2007, 92, 77-86	0.8	
1	Edge ferromagnetism of graphene oxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 544, 168686		