

Anjan Barman

List of Publications by Year in descending order

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199
papers

4,349
citations

126907

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201
all docs

201
docs citations

201
times ranked

3399
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of nanomagnets as dynamical systems: II. Nanotechnology, 2022, 33, 082002.	2.6	8
2	Applications of nanomagnets as dynamical systems: I. Nanotechnology, 2022, 33, 062007.	2.6	9
3	Operation of Magnetic Vortex Transistor by Spin-Polarized Current: A Micromagnetic Approach. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	2
4	Spin Wave Electromagnetic Nano-Antenna Enabled by Tripartite Phonon-Magnon-Photon Coupling. Advanced Science, 2022, 9, e2104644.	11.2	15
5	Large Dzyaloshinskii-Moriya interaction and atomic layer thickness dependence in a ferromagnet-heterostructure. Physical Review B, 2022, 105, .	3.2	14
6	Defect-Density- and Rashba-Shift-Induced Interfacial Dzyaloshinskii-Moriya Interaction and Spin Pumping in Single-Layer Graphene/Co ₂₀ Fe ₆₀ B ₂₀ Heterostructures: Implications for New-Generation Spintronics. ACS Applied Nano Materials, 2022, 5, 5056-5063.	5.0	3
7	Magnetic Configuration Driven Femtosecond Spin Dynamics in Synthetic Antiferromagnets. ACS Applied Materials & Interfaces, 2022, 14, 13970-13979.	8.0	1
8	Strain and crystallite size controlled ordering of Heusler nanoparticles having high heating rate for magneto-thermal application. Nanotechnology, 2022, 33, 235701.	2.6	7
9	Mechanism of femtosecond laser induced ultrafast demagnetization in ultrathin film magnetic multilayers. Journal of Materials Science, 2022, 57, 6212-6222.	3.7	6
10	All-Optical Detection of Spin Pumping and Giant Interfacial Spin Transparency in Co ₂ Fe _{0.4} Mn _{0.6} Si/Pt Heterostructure. Advanced Quantum Technologies, 2022, 5, .	3.9	4
11	Off Infrared Absorption of the S-O Vibrational Probe of Dimethyl Sulfoxide. Journal of Physical Chemistry B, 2022, 126, 4501-4508.	2.6	4
12	Nanochannels for spin-wave manipulation in Ni ₈₀ Fe ₂₀ nanodot arrays. Journal of Magnetism and Magnetic Materials, 2021, 522, 167550.	2.3	5
13	Resonant amplification of intrinsic magnon modes and generation of new extrinsic modes in a two-dimensional array of interacting multiferroic nanomagnets by surface acoustic waves. Nanoscale, 2021, 13, 10016-10023.	5.6	13
14	Femtosecond laser-induced spin dynamics in single-layer graphene/CoFeB thin films. Nanoscale, 2021, 13, 13709-13718.	5.6	9
15	Magnonic crystals with complex geometry. Physical Review B, 2021, 103, .	3.2	7
16	Structural Phase-Dependent Giant Interfacial Spin Transparency in W/CoFeB Thin-Film Heterostructures. ACS Applied Materials & Interfaces, 2021, 13, 20875-20884.	8.0	18
17	Observation of Coherent Spin Waves in a Three-Dimensional Artificial Spin Ice Structure. Nano Letters, 2021, 21, 4629-4635.	9.1	29
18	Ultrafast Spin Dynamics of Electrochemically Grown Heusler Alloy Films. Journal of Physical Chemistry C, 2021, 125, 10483-10492.	3.1	12

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19	Comparison of Spin-Wave Modes in Connected and Disconnected Artificial Spin Ice Nanostructures Using Brillouin Light Scattering Spectroscopy. ACS Nano, 2021, 15, 11734-11742.	14.6	8
20	Observation of magnon-magnon coupling with high cooperativity in Ni ₈₀ Fe ₂₀ cross-shaped nanoring array. Nanotechnology, 2021, 32, 395706.	2.6	9
21	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	1.8	287
22	Magnetization reversal mechanism of chemically synthesized linear chains of Fe nanospheres. Journal of Materials Science, 2021, 56, 19476.	3.7	2
23	Anisotropic spin-wave propagation in asymmetric width modulated Ni ₈₀ Fe ₂₀ nanostripes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115385.	3.5	8
24	Reconfigurable spin-wave dynamics in two-dimensional quasiperiodic magnonic crystals. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114901.	2.7	2
25	Dynamic configurational anisotropy in Ni ₈₀ Fe ₂₀ antidot lattice with complex geometry. Journal of Alloys and Compounds, 2021, 884, 161105.	5.5	1
26	Influence of variation of tungsten layer thickness on interfacial Dzyaloshinskii-Moriya interaction in W/CoFeB/SiO ₂ heterostructures. Bulletin of Materials Science, 2021, 44, 1.	1.7	0
27	Temperature-Dependent Dielectric Relaxation in Ionic Acetamide Deep Eutectics: Partial Viscosity Decoupling and Explanations from the Simulated Single-Particle Reorientation Dynamics and Hydrogen-Bond Fluctuations. Journal of Physical Chemistry B, 2021, 125, 12552-12567.	2.6	7
28	The influence of the internal domain wall structure on spin wave band structure in periodic magnetic stripe domain patterns. Solid State Physics, 2021, , 29-82.	0.5	1
29	Magnetic straintronics: Manipulating the magnetization of magnetostrictive nanomagnets with strain for energy-efficient applications. Applied Physics Reviews, 2021, 8, .	11.3	25
30	Observation of spectral narrowing and mode conversion in two-dimensional binary magnonic crystal. Journal of Magnetism and Magnetic Materials, 2020, 501, 166378.	2.3	2
31	Voltage controlled on-demand magnonic nanochannels. Science Advances, 2020, 6, .	10.3	32
32	Magnetization dynamics of nanoscale magnetic materials: A perspective. Journal of Applied Physics, 2020, 128, .	2.5	63
33	Ultrafast demagnetization mechanism in half-metallic Heusler alloy thin films controlled by the Fermi level. Physical Review B, 2020, 101, .	3.2	11
34	Direct measurement of interfacial Dzyaloshinskii-Moriya interaction at the MoS ₂ /Ni ₈₀ Fe ₂₀ interface. Applied Physics Letters, 2020, 116, .	3.3	12
35	Spin-texture driven reconfigurable magnonics in chains of connected Ni ₈₀ Fe ₂₀ submicron dots. Physical Review B, 2020, 101, .	3.2	12
36	Extreme Subwavelength Magnetoelastic Electromagnetic Antenna Implemented with Multiferroic Nanomagnets. Advanced Materials Technologies, 2020, 5, 2000316.	5.8	23

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37	Nonlinear ferromagnetic resonance shift and strong magnon-magnon coupling in Ni_80Fe_{20} diatomic nanodot array. Journal of Magnetism and Magnetic Materials, 2020, 502, 166520.	3.2	20
38	Magnetic vortex transistor based tri-state buffer Switch. Journal of Magnetism and Magnetic Materials, 2020, 502, 166520.	2.3	9
39	All-optical investigation of anisotropic spin pumping in W/CoFeB/W heterostructure. Journal of Magnetism and Magnetic Materials, 2020, 502, 166545.	2.3	3
40	Red Mud-Reduced Graphene Oxide Nanocomposites for the Electrochemical Sensing of Arsenic. ACS Applied Nano Materials, 2020, 3, 4084-4090.	5.0	21
41	Observation of angle-dependent mode conversion and mode hopping in 2D annular antidot lattice. Scientific Reports, 2019, 9, 12138.	3.3	4
42	Anisotropic spin-wave dispersion in two-dimensional Ni_80Fe_{20} diatomic nanodot array. Journal of Magnetism and Magnetic Materials, 2019, 491, 165557.	2.3	4
43	Tunability of Domain Structure and Magnonic Spectra in Antidot Arrays of Heusler Alloy. Physical Review Applied, 2019, 12, .	3.8	9
44	Anisotropic spin waves in two-dimensional triangular shaped bi-component magnonic crystal. Journal of Magnetism and Magnetic Materials, 2019, 490, 165484.	2.3	6
45	Dynamics at the non-ionic micelle/water interface: Impact of linkage substitution. Journal of Chemical Physics, 2019, 151, 154902.	3.0	6
46	The influence of the internal domain wall structure on spin wave band structure in periodic magnetic stripe domain patterns. Solid State Physics, 2019, , 79-132.	0.5	10
47	The effect of material defects on resonant spin wave modes in a nanomagnet. Scientific Reports, 2019, 9, 16635.	3.3	10
48	Reliability of Magnetoelastic Switching of Nonideal Nanomagnets with Defects: A Case Study for the Viability of Straintronic Logic and Memory. Physical Review Applied, 2019, 12, .	3.8	24
49	Role of magnetic anisotropy in the ultrafast magnetization dynamics of Gd-Fe thin films of different thicknesses. Physical Review B, 2019, 100, .	3.2	12
50	Observation of Skyrmions at Room Temperature in Co_2FeAl Heusler Alloy Ultrathin Film Heterostructures. Scientific Reports, 2019, 9, 1085.	3.3	22
51	Controlled evolution of spin waves in unconventional defective honeycomb antidot lattices. Journal of Magnetism and Magnetic Materials, 2019, 489, 165408.	2.3	7
52	Contrasting hydration dynamics in DME and DMSO aqueous solutions: A combined optical pump-probe and GHz-THz dielectric relaxation investigation. Journal of Molecular Liquids, 2019, 290, 111194.	4.9	10
53	Shape dependent high frequency spin-wave dynamics in nanoscale magnonic crystals. Journal of Magnetism and Magnetic Materials, 2019, 487, 165263.	2.3	7
54	Are water-xylitol mixtures heterogeneous? An investigation employing composition and temperature dependent dielectric relaxation and time-resolved fluorescence measurements. Journal of Chemical Sciences, 2019, 131, 1.	1.5	10

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55	All-optical detection of interfacial spin transparency from spin pumping in $\hat{\Gamma}^2$ -Ta/CoFeB thin films. Science Advances, 2019, 5, eaav7200.	10.3	60
56	Hydration dynamics in aqueous Pluronic P123 solution: Concentration and temperature dependence. Journal of Chemical Physics, 2019, 151, 184901.	3.0	7
57	Electric field control of spin waves in ultrathin CoFeB films. Physical Review B, 2019, 100, .	3.2	16
58	Direct observation of unusual interfacial Dzyaloshinskii-Moriya interaction in graphene/NiFe/Ta heterostructures. Physical Review B, 2019, 99, .	3.2	22
59	Influence of anisotropic dipolar interaction on the spin dynamics of Ni ₈₀ Fe ₂₀ nanodot arrays arranged in honeycomb and octagonal lattices. Journal of Magnetism and Magnetic Materials, 2018, 458, 95-104.	2.3	11
60	Spin Dynamics and Damping in Ferromagnetic Thin Films and Nanostructures. , 2018, , .		56
61	All optical detection of picosecond spin-wave dynamics in 2D annular antidot lattice. Journal Physics D: Applied Physics, 2018, 51, 055004.	2.8	6
62	Spin Dynamics. , 2018, , 13-26.		1
63	Magnetic Damping. , 2018, , 27-46.		1
64	Summary and Future Direction. , 2018, , 153-156.		0
65	Dependence of interfacial Dzyaloshinskii-Moriya interaction on layer thicknesses in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" } \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ta} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Co} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\Gamma}^2 \langle \text{mml:mtext} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{TaO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Heterostructures from Brillouin Light. Physical Review Applied, 2018, 9, .$	3.8	20
66	Experimental Techniques to Investigate Spin Dynamics. , 2018, , 47-82.		0
67	Factors Affecting Spin Dynamics. , 2018, , 83-100.		0
68	Hybrid Magnetodynamical Modes in a Single Magnetostrictive Nanomagnet on a Piezoelectric Substrate Arising from Magnetoelastic Modulation of Precessional Dynamics. ACS Applied Materials & Interfaces, 2018, 10, 43970-43977.	8.0	32
69	Laser Controlled Spin Dynamics of Ferromagnetic Thin Film from Femtosecond to Nanosecond Timescale. Physical Review Applied, 2018, 10, .	3.8	25
70	Controlled coexcitation of direct and indirect ultrafast demagnetization in Co/Pd multilayers with large perpendicular magnetic anisotropy. Physical Review B, 2018, 98, .	3.2	11
71	Active Control of Mode Crossover and Mode Hopping of Spin Waves in a Ferromagnetic Antidot Lattice. Physical Review Applied, 2018, 10, .	3.8	14
72	Dielectric relaxation in acetamide + urea deep eutectics and neat molten urea: Origin of time scales via temperature dependent measurements and computer simulations. Journal of Chemical Physics, 2018, 149, 124501.	3.0	34

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73	Tunable Angle-Dependent Magnetization Dynamics in $\text{Ni}_{80}\text{Fe}_{20}$ Nanocross Structures of Varying Size. <i>Physical Review Applied</i> , 2018, 10, .	3.8	15
74	Ultrafast magnetization dynamics in a nanoscale three-dimensional cobalt tetrapod structure. <i>Nanoscale</i> , 2018, 10, 9981-9986.	5.6	38
75	Fabrication of free-standing graphene oxide films using a facile approach toluene swollen paraffin peeling and green reduction of these films into highly conductive reduced graphene oxide films. <i>Chemical Engineering Journal</i> , 2018, 354, 149-161.	12.7	13
76	Field-controlled ultrafast magnetization dynamics in two-dimensional nanoscale ferromagnetic antidot arrays. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1123-1134.	2.8	10
77	Ultrafast magnetization dynamics in nanoscale two-dimensional Permalloy annular antidot lattices. , 2018, , .		0
78	Spin waves in periodic antidot waveguide of complex base. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 275003.	2.8	4
79	Collective hydration dynamics in some amino acid solutions: A combined GHz-THz spectroscopic study. <i>Journal of Chemical Physics</i> , 2017, 146, 125101.	3.0	21
80	Extrinsic Spin-Orbit Coupling-Induced Large Modulation of Gilbert Damping Coefficient in CoFeB Thin Film on the Graphene Stack with Different Defect Density. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17442-17449.	3.1	8
81	Magnonic band structure in a Co/Pd stripe domain system investigated by Brillouin light scattering and micromagnetic simulations. <i>Physical Review B</i> , 2017, 96, .	3.2	45
82	Pseudo-One-Dimensional Magnonic Crystals for High-Frequency Nanoscale Devices. <i>Physical Review Applied</i> , 2017, 8, .	3.8	26
83	All-optical detection of the spin Hall angle in $\text{W}/\text{CoFeB}/\text{W}$ with varying thickness of the tungsten layer. <i>Physical Review B</i> , 2017, 96, .	3.2	47
84	Efficient Modulation of Spin Waves in Two-Dimensional Octagonal Magnonic Crystal. <i>ACS Nano</i> , 2017, 11, 8814-8821.	14.6	30
85	Investigation of magnetization dynamics in 2D $\text{Ni}_{80}\text{Fe}_{20}$ diatomic nanodot arrays. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 385002.	2.8	11
86	Role of the Cr Buffer Layer in the Thickness-Dependent Ultrafast Magnetization Dynamics of $\text{Co}/\text{Heusler Al}$. <i>Physical Review Applied</i> , 2017, 7, .	3.8	20
87	Efficient terahertz anti-reflection properties of metallic anti-dot structures. <i>Optics Letters</i> , 2017, 42, 1764.	3.3	6
88	Dynamics of a PEG based non-ionic deep eutectic solvent: Temperature dependence. <i>Fluid Phase Equilibria</i> , 2017, 448, 22-29.	2.5	37
89	Terahertz conductivity engineering in surface decorated carbon nanotube films by gold nanoparticles. <i>Applied Optics</i> , 2017, 56, 1107.	2.1	2
90	Tunable Magnonic spectra in two dimensional $\text{Ni}_{80}\text{Fe}_{20}$ annular lattices. , 2017, , .		0

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91	Diameter-dependent shielding effectiveness and terahertz conductivity of multiwalled carbon nanotubes. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2430.	2.1	14
92	Transition from strongly collective to completely isolated ultrafast magnetization dynamics in two-dimensional hexagonal arrays of nanodots with varying inter-dot separation. RSC Advances, 2016, 6, 110393-110399.	3.6	12
93	Direct Observation of Interfacial Dzyaloshinskii-Moriya Interaction from Asymmetric Spin-wave Propagation in W/CoFeB/SiO ₂ Heterostructures Down to Sub-nanometer CoFeB Thickness. Scientific Reports, 2016, 6, 32592.	3.3	67
94	Influence of thickness-dependent structural evolution on ultrafast magnetization dynamics in C_{60} nanotubes. RSC Advances, 2016, 6, 110393-110399.	3.2	22
95	Oil swollen surfactant gel based synthesis of metal oxides nanoparticles: An attractive alternative for the conventional sol gel synthesis. Ceramics International, 2016, 42, 12119-12128.	4.8	5
96	Improvement of chemical ordering and magnetization dynamics of Co _{0.4} Fe _{0.6} AlSi Heusler alloy thin films by changing adjacent layers. RSC Advances, 2016, 6, 77811-77817.	3.6	8
97	Impact of the aggregation behaviour of sodium cholate and sodium deoxycholate on aqueous solution structure and dynamics: A combined time resolved fluorescence and dielectric relaxation spectroscopic study. Journal of Molecular Liquids, 2016, 222, 495-502.	4.9	14
98	All-optical study of tunable ultrafast spin dynamics in [Co/Pd]/NiFe systems: the role of spin-twist structure on Gilbert damping. RSC Advances, 2016, 6, 80168-80173.	3.6	11
99	Evolution of damping in ferromagnetic/nonmagnetic thin film bilayers as a function of nonmagnetic layer thickness. Physical Review B, 2016, 93, .	3.2	66
100	Enhanced Amplification and Fan-Out Operation in an All-Magnetic Transistor. Scientific Reports, 2016, 6, 33360.	3.3	11
101	Observation of anisotropic energy transfer in magnetically coupled magnetic vortex pair. Applied Physics Letters, 2016, 108, .	3.3	9
102	Shape- and Interface-Induced Control of Spin Dynamics of Two-Dimensional Bicomponent Magnonic Crystals. ACS Applied Materials & Interfaces, 2016, 8, 18339-18346.	8.0	33
103	Field-dependent spin waves in high-aspect-ratio single-crystal ferromagnetic nanowires. Nano Research, 2016, 9, 1426-1433.	10.4	12
104	Perpendicular Standing Spin Wave and Magnetic Anisotropic Study on Amorphous FeTaC Films. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	9
105	Nickel nanochain composite: An improved terahertz shielding material. , 2015, , .		0
106	Tunable Magnetization Dynamics in Interfacially Modified Ni ₈₁ Fe ₁₉ /Pt Bilayer Thin Film Microstructures. Scientific Reports, 2015, 5, 17596.	3.3	39
107	Tunable spin wave properties in [Co/Ni ₈₀ Fe ₂₀] multilayers with the number of bilayer repetition. Journal Physics D: Applied Physics, 2015, 48, 395001.	2.8	6
108	Size effect on the magnetic properties of oleic acid stabilized substrate free BiFeO ₃ nanocrystals. EPJ Applied Physics, 2015, 70, 10601.	0.7	2

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109	Dielectric Relaxations of (Acetamide + Electrolyte) Deep Eutectic Solvents in the Frequency Window, 0.2 $\hat{\omega}$ 1/2/GHz $\hat{\omega}$ 50: Anion and Cation Dependence. Journal of Physical Chemistry B, 2015, 119, 8063-8071.	2.6	74
110	Fast and facile preparation of CTAB based gels and their applications in Au and Ag nanoparticles synthesis. Materials Chemistry and Physics, 2015, 156, 105-112.	4.0	10
111	Grape extract assisted green synthesis of reduced graphene oxide for water treatment application. Materials Letters, 2015, 160, 355-358.	2.6	98
112	Improved magnetic damping in CoFeB MgO with an N-doped Ta underlayer investigated using the Brillouin light scattering technique. RSC Advances, 2015, 5, 57815-57819.	3.6	8
113	Controllable terahertz conductivity in single walled carbon nanotube/polymer composites. Journal of Applied Physics, 2015, 117, .	2.5	17
114	Ultrafast Magnetization Dynamics of Chemically Synthesized Ni Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 17444-17449.	3.1	6
115	Tunable configurational anisotropy in collective magnetization dynamics of Ni80Fe20 nanodot arrays with varying dot shapes. Journal of Applied Physics, 2015, 117, .	2.5	28
116	Low temperature magnetic and transport properties of LSMO $\hat{\omega}$ PZT nanocomposites. RSC Advances, 2015, 5, 30748-30757.	3.6	19
117	Tunable picosecond spin dynamics in two dimensional ferromagnetic nanodot arrays with varying lattice symmetry. RSC Advances, 2015, 5, 34027-34031.	3.6	9
118	All-optical investigation of tunable picosecond magnetization dynamics in ferromagnetic nanostripes with a width down to 50 nm. Nanoscale, 2015, 7, 18312-18319.	5.6	25
119	Optical, structural, catalytic and electrochemical properties of the Au nanoparticles synthesized using CTAB based gels. Journal of Materials Science: Materials in Electronics, 2015, 26, 7515-7522.	2.2	2
120	Ultrafast dynamics and THz oscillation in [Co/Pd]8 multilayers. Solid State Communications, 2015, 221, 50-54.	1.9	7
121	Optical Behaviour Of CdS Nanorods Dispersed In Liquid Crystal. Advanced Materials Letters, 2015, 6, 47-50.	0.6	7
122	Fabrication and Characterization of 2-D Magnetic Antidot Arrays for Application in Magnonic Crystals. , 2014, , .		0
123	EMI shielding and conductivity of carbon nanotube-polymer composites at terahertz frequency. Optics Letters, 2014, 39, 1541.	3.3	54
124	Local control of magnetic damping in ferromagnetic/non-magnetic bilayers by interfacial intermixing induced by focused ion-beam irradiation. Applied Physics Letters, 2014, 104, .	3.3	30
125	Optically induced spin wave dynamics in [Co/Pd]8 antidot lattices with perpendicular magnetic anisotropy. Applied Physics Letters, 2014, 105, .	3.3	26
126	Brillouin light scattering study of spin waves in NiFe/Co exchange spring bilayer films. Journal of Applied Physics, 2014, 115, .	2.5	27

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127	Time-domain detection of current controlled magnetization damping in Pt/Ni ₈₁ Fe ₁₉ bilayer and determination of Pt spin Hall angle. Applied Physics Letters, 2014, 105, .	3.3	29
128	Width dependent transition of quantized spin-wave modes in Ni ₈₀ Fe ₂₀ square nanorings. Journal of Applied Physics, 2014, 116, 163912.	2.5	10
129	Modulating conductivity of Au/CNT composites in THz frequency range: A THz resistor. , 2014, , .		1
130	Influence of structural changes in a periodic antidot waveguide on the spin-wave spectra. Physical Review B, 2014, 89, .	3.2	27
131	Structural, optical and magnetic properties of sol-gel derived ZnO:Co diluted magnetic semiconductor nanocrystals: an EXAFS study. Journal of Materials Chemistry C, 2014, 2, 481-495.	5.5	116
132	Tunable spin wave dynamics in two-dimensional Ni ₈₀ Fe ₂₀ nanodot lattices by varying dot shape. Applied Physics Letters, 2014, 105, .	3.3	27
133	Effect of the spin-twist structure on the spin-wave dynamics in Fe ₅₅ Pt ₄₅ /Ni ₈₀ Fe ₂₀ exchange coupled bi-layers with varying Ni ₈₀ Fe ₂₀ thickness. Journal of Applied Physics, 2014, 115, 17D105.	2.5	14
134	Time-Domain Study of Magnetization Dynamics in Magnetic Thin Films and Micro- and Nanostructures. Solid State Physics, 2014, , 1-108.	0.5	41
135	Time-domain study of spin-wave dynamics in two-dimensional arrays of bi-component magnetic structures. Applied Physics Letters, 2013, 102, .	3.3	14
136	Tunable Magnonic Spectra in Two-Dimensional Magnonic Crystals with Variable Lattice Symmetry. Advanced Functional Materials, 2013, 23, 2378-2386.	14.9	76
137	MAGNETO-OPTICAL MEASUREMENTS OF COLLECTIVE SPIN DYNAMICS OF TWO-DIMENSIONAL ARRAYS OF FERROMAGNETIC NANOELEMENTS. Spin, 2013, 03, 1330001.	1.3	20
138	Effects of antidot shape on the spin wave spectra of two-dimensional Ni ₈₀ Fe ₂₀ antidot lattices. Applied Physics Letters, 2013, 103, .	3.3	36
139	Role of codoping on multiferroic properties at room temperature in BiFeO ₃ ceramic. Solid State Communications, 2013, 166, 22-26.	1.9	21
140	Configurational anisotropic spin waves in cross-shaped Ni ₈₀ Fe ₂₀ nanoelements. Applied Physics Letters, 2013, 102, .	3.3	20
141	Magnonic Band Engineering by Intrinsic and Extrinsic Mirror Symmetry Breaking in Antidot Spin-Wave Waveguides. Scientific Reports, 2013, 3, 2444.	3.3	47
142	Pronounced Multiferroicity in Oleic Acid Stabilized BiFeO ₃ Nanocrystals at Room Temperature. Journal of Nanoscience and Nanotechnology, 2013, 13, 4090-4096.	0.9	5
143	Polarizing effect of aligned nanoparticles in terahertz frequency region. Optics Letters, 2013, 38, 2754.	3.3	31
144	Tunable magnetic anisotropy in two-dimensional arrays of Ni ₈₀ Fe ₂₀ elements. Applied Physics Letters, 2013, 103, .	3.3	6

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145	Synthesis, Properties, and Applications of Single-Domain Magnetic Nanoparticles. Journal of Nanomaterials, 2013, 2013, 1-2.	2.7	6
146	Numerical calculation of spin wave dispersions in magnetic nanostructures. Journal Physics D: Applied Physics, 2012, 45, 015001.	2.8	108
147	Phonon heat conduction in Al _x Ga _{1-x} N film. Europhysics Letters, 2012, 97, 36011.	2.0	3
148	Magnetization Reversal in Chemically Synthesized Hexagonal Cobalt Microplatelets. Journal of Physical Chemistry C, 2012, 116, 22057-22062.	3.1	9
149	Optically Induced Tunable Magnetization Dynamics in Nanoscale Co Antidot Lattices. ACS Nano, 2012, 6, 3397-3403.	14.6	63
150	Effect of Sr-doping on multiferroic properties of Bi _{0.8} La _{0.2} Fe _{0.9} Mn _{0.1} O ₃ . Solid State Communications, 2012, 152, 557-560.	1.9	21
151	Micromagnetic study of size-dependent picosecond dynamics in single nanomagnets. Journal Physics D: Applied Physics, 2011, 44, 105002.	2.8	2
152	Dynamics of Coupled Vortices in a Pair of Ferromagnetic Disks. Physical Review Letters, 2011, 106, 197203.	7.8	108
153	Fabrication of Luminescent Silver Doped PbS Nanowires in Polymer. Journal of Nanoscience and Nanotechnology, 2011, 11, 10234-10239.	0.9	5
154	Calculation of spin wave spectra in magnetic nanograins and patterned multilayers with perpendicular anisotropy. Journal of Applied Physics, 2011, 109, 113903.	2.5	10
155	Magnetization reversal dynamics in Co nanowires with competing magnetic anisotropies. Solid State Communications, 2011, 151, 1994-1998.	1.9	17
156	Magnetic Shape Anisotropy in Chemically Synthesized Chains of Nickel Nanoparticles. IEEE Transactions on Magnetics, 2011, 47, 2859-2862.	2.1	16
157	Detection of Picosecond Magnetization Dynamics of 50 nm Magnetic Dots down to the Single Dot Regime. ACS Nano, 2011, 5, 9559-9565.	14.6	55
158	All-Optical Excitation and Detection of Picosecond Dynamics of Ordered Arrays of Nanomagnets with Varying Areal Density. Applied Physics Express, 2011, 4, 113003.	2.4	18
159	Controlled propagation of locally excited vortex dynamics in linear nanomagnet arrays. Journal Physics D: Applied Physics, 2010, 43, 335001.	2.8	17
160	Dynamics of 1-D Chains of Magnetic Vortices in Response to Local and Global Excitations. IEEE Transactions on Magnetics, 2010, 46, 1342-1345.	2.1	34
161	Control of magnonic spectra in cobalt nanohole arrays: the effects of density, symmetry and defects. Journal Physics D: Applied Physics, 2010, 43, 195002.	2.8	18
162	Gyration mode splitting in magnetostatically coupled magnetic vortices in an array. Journal Physics D: Applied Physics, 2010, 43, 422001.	2.8	44

#	ARTICLE	IF	CITATIONS
163	Magnetization Reversal in Chains and Clusters of Exchange-Coupled Nickel Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 11115-11118.	3.1	27
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