

Thorsten Hesjedal

List of Publications by Year in descending order

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243
papers

4,835
citations

125106

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175968

55
g-index

248
all docs

248
docs citations

248
times ranked

6009
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Topological Insulator Heterostructures: A Review. <i>Advanced Materials</i> , 2023, 35, e2102427.	11.1	35
2	Covalent Mixing in the 2D Ferromagnet CrSiTe ₃ Evidenced by Magnetic X-Ray Circular Dichroism. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	1.2	5
3	Axially Bound Magnetic Skyrmions: Glueing Topological Strings Across an Interface. <i>Nano Letters</i> , 2022, 22, 3737-3743.	4.5	2
4	Critical analysis of proximity-induced magnetism in MnTe heterostructures. <i>Physical Review Materials</i> , 2022, 6, .	1.0	1
5	X-ray spectroscopy for the magnetic study of the van der Waals ferromagnet CrSiTe ₃ in the few- and monolayer limit. <i>2D Materials</i> , 2022, 9, 045007.	2.0	2
6	Layer-Dependent Magnetic Domains in Atomically Thin Fe ₅ GeTe ₂ . <i>ACS Nano</i> , 2022, 16, 10545-10553.	7.3	17
7	Creation of a Chiral Bobber Lattice in Helimagnet-Multilayer Heterostructures. <i>Physical Review Letters</i> , 2021, 126, 017204.	2.9	20
8	Depth profiling of 3D skyrmion lattices in a chiral magnet – A story with a twist. <i>AIP Advances</i> , 2021, 11, .	0.6	4
9	Magnetization dynamics in ordered spin structures revealed by diffractive and reflectometry ferromagnetic resonance. <i>AIP Advances</i> , 2021, 11, 015327.	0.6	2
10	Canted standing spin-wave modes of permalloy thin films observed by ferromagnetic resonance. <i>New Journal of Physics</i> , 2021, 23, 023017.	1.2	4
11	Modification of the van der Waals interaction at the Bi and $\text{Ge}(111)$ interface. <i>Physical Review Materials</i> , 2021, 5, .	2.9	11
12	Spin-current mediated exchange coupling in MgO-based magnetic tunnel junctions. <i>Physical Review B</i> , 2021, 103, .	1.1	6
13	Deriving the skyrmion Hall angle from skyrmion lattice dynamics. <i>Nature Communications</i> , 2021, 12, 2723.	5.8	17
14	Study of Spin Pumping through $\hat{\mu}_B$ Thin Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100137.	1.2	6
15	Periodically modulated skyrmion strings in Cu ₂ OSeO ₃ . <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	6
16	Transition Metal Synthetic Ferrimagnets: Tunable Media for All-Optical Switching Driven by Nanoscale Spin Current. <i>Nano Letters</i> , 2021, 21, 9210-9216.	4.5	8
17	Superposition of Emergent Monopole and Antimonopole in CoTb Thin Films. <i>Physical Review Letters</i> , 2021, 127, 217201.	2.9	10
18	Robust Perpendicular Skyrmions and Their Surface Confinement. <i>Nano Letters</i> , 2020, 20, 1428-1432.	4.5	10

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19	Mode-Resolved Detection of Magnetization Dynamics Using X-ray Diffractive Ferromagnetic Resonance. Nano Letters, 2020, 20, 345-352.	4.5	11
20	Magnetic order in 3D topological insulators – Wishful thinking or gateway to emergent quantum effects?. Applied Physics Letters, 2020, 117, .	1.5	6
21	Depth-Resolved Magnetization Dynamics Revealed by X-Ray Reflectometry Ferromagnetic Resonance. Physical Review Letters, 2020, 125, 137201.	2.9	14
22	Electron Beam Lithography of Magnetic Skyrmions. Advanced Materials, 2020, 32, e2003003.	11.1	30
23	Optically and Microwave-Induced Magnetization Precession in [Co/Pt]/NiFe Exchange Springs. ACS Applied Materials & Interfaces, 2020, 12, 52116-52124.	4.0	5
24	Direct observation of the energy gain underpinning ferromagnetic superexchange in the electronic structure of CrGeTe_3 . Physical Review B, 2020, 101, .	1.1	23
25	Coherent Transfer of Spin Angular Momentum by Evanescent Spin Waves within Antiferromagnetic NiO. Physical Review Letters, 2020, 124, 217201.	2.9	47
26	Exchange Bias in Magnetic Topological Insulator Superlattices. Nano Letters, 2020, 20, 5315-5322.	4.5	11
27	Element- and Time-Resolved Measurements of Spin Dynamics Using X-ray Detected Ferromagnetic Resonance. Synchrotron Radiation News, 2020, 33, 12-19.	0.2	12
28	Proximity-Induced Odd-Frequency Superconductivity in a Topological Insulator. Physical Review Letters, 2020, 125, 026802.	2.9	34
29	Tailoring the Hybrid Anomalous Hall Response in Engineered Magnetic Topological Insulator Heterostructures. Nano Letters, 2020, 20, 1731-1737.	4.5	26
30	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. Nature Communications, 2020, 11, 428.	5.8	89
31	Field and temperature dependence of the skyrmion lattice phase in chiral magnet membranes. Physical Review B, 2020, 101, .	1.1	13
32	Magnetic skyrmion interactions in the micromagnetic framework. Physical Review B, 2020, 101, .	1.1	25
33	Kerr effect anomaly in magnetic topological insulator superlattices. Nanotechnology, 2020, 31, 434001.	1.3	4
34	Unveiling the ultrafast optoelectronic properties of 3D Dirac semi-metal Cd_3As_2 . , 2020, , .		0
35	A low-temperature Kerr effect microscope for the simultaneous magneto-optic and magneto-transport study of magnetic topological insulators. Measurement Science and Technology, 2019, 30, 125201.	1.4	7
36	Magnetic profile of proximity-coupled DyMnO_3 . Physical Review B, 2019, 100, .		

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37	Expanding the Lorentz concept in magnetism. <i>New Journal of Physics</i> , 2019, 21, 073063.	1.2	2
38	Cr ₂ Te ₃ Thin Films for Integration in Magnetic Topological Insulator Heterostructures. <i>Scientific Reports</i> , 2019, 9, 10793.	1.6	30
39	Helical magnetic ordering in thin FeGe membranes. <i>Physical Review B</i> , 2019, 100, .	1.1	9
40	The effect of substrate and surface plasmons on symmetry breaking at the substrate interface of the topological insulator Bi ₂ Te ₃ . <i>Scientific Reports</i> , 2019, 9, 6147.	1.6	8
41	Skyrmions in anisotropic magnetic fields: strain and defect driven dynamics. <i>MRS Advances</i> , 2019, 4, 643-650.	0.5	3
42	Oriented 3D Magnetic Biskyrmions in MnNiGa Bulk Crystals. <i>Advanced Materials</i> , 2019, 31, e1900264.	11.1	23
43	Anatomy of Skyrmionic Textures in Magnetic Multilayers. <i>Advanced Materials</i> , 2019, 31, e1807683.	11.1	75
44	Tailoring the topological surface state in ultrathin $\hat{\Gamma}_{\pm}$ -Sn(111) films. <i>Physical Review B</i> , 2019, 100, .	1.1	22
45	Rare Earth Doping of Topological Insulators: A Brief Review of Thin Film and Heterostructure Systems. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800726.	0.8	16
46	Antidamping torques from simultaneous resonances in ferromagnet-topological insulator-ferromagnet heterostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 473, 470-476.	1.0	5
47	Temperature dependence of the ferromagnetic response in Cr _x Sb _{2-x} Te ₃ topological insulator thin films investigated using terahertz spectroscopy and magneto-transport.. , 2019, . ,		0
48	Topological surface state of $\hat{\Gamma}_{\pm}$ on InSb(001) as studied by photoemission. <i>Physical Review B</i> , 2018, 97, .	1.1	25
49	Real-Space Observation of Skyrmionium in a Ferromagnet-Magnetic Topological Insulator Heterostructure. <i>Nano Letters</i> , 2018, 18, 1057-1063.	4.5	109
50	Proposal for a micromagnetic standard problem for materials with Dzyaloshinskii-Moriya interaction. <i>New Journal of Physics</i> , 2018, 20, 113015.	1.2	35
51	Systematic Study of Ferromagnetism in Cr _x Sb _{2-x} Te ₃ Topological Insulator Thin Films using Electrical and Optical Techniques. <i>Scientific Reports</i> , 2018, 8, 17024.	1.6	12
52	Manipulation of skyrmion motion by magnetic field gradients. <i>Nature Communications</i> , 2018, 9, 2115.	5.8	92
53	Direct Observation of Twisted Surface skyrmions in Bulk Crystals. <i>Physical Review Letters</i> , 2018, 120, 227202.	2.9	69
54	Microscopic effects of Dy doping in the topological insulator $\text{Bi}_{2-x}\text{Sb}_x$. <i>Physical Review B</i> , 2018, 97, .		

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55	Magnetic X-ray spectroscopy of two-dimensional CrI ₃ layers. Materials Letters, 2018, 232, 5-7.	1.3	31
56	Reciprocal space tomography of 3D skyrmion lattice order in a chiral magnet. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6386-6391.	3.3	71
57	Crossover from lattice to plasmonic polarons of a spin-polarised electron gas in ferromagnetic EuO. Nature Communications, 2018, 9, 2305.	5.8	31
58	Electronic Structure and Enhanced Charge-Density Wave Order of Monolayer VSe ₂ . Nano Letters, 2018, 18, 4493-4499.	4.5	200
59	Imposing long-range ferromagnetic order in rare-earth-doped magnetic topological-insulator heterostructures. Physical Review Materials, 2018, 2, .	0.9	18
60	THz carrier dynamics and magnetotransport study of topological surface states in thin film Bi ₂ Se ₃ . , 2018, , .		0
61	Correction to Step-Flow Growth of Bi ₂ Te ₃ Nanobelts. Crystal Growth and Design, 2017, 17, 1438-1438.	1.4	3
62	Temperature evolution of topological surface states in Bi ₂ Se ₃ thin films studied using terahertz spectroscopy. Proceedings of SPIE, 2017, , .	0.8	0
63	Direct experimental determination of the topological winding number of skyrmions in Cu ₂ OSeO ₃ . Nature Communications, 2017, 8, 14619.	5.8	36
64	Anisotropic magnetic switching along hard [1 1 0]-type axes in Er-doped DyFe ₂ /YFe ₂ thin films. Journal of Magnetism and Magnetic Materials, 2017, 439, 287-293.	1.0	1
65	Room-temperature helimagnetism in FeGe thin films. Scientific Reports, 2017, 7, 123.	1.6	44
66	Engineered heterostructures. Nature Materials, 2017, 16, 3-4.	13.3	16
67	Probing the Topological Surface State in Bi ₂ Se ₃ Thin Films Using Temperature-Dependent Terahertz Spectroscopy. ACS Photonics, 2017, 4, 2711-2718.	3.2	24
68	Perfect quintuple layer Bi ₂ Te ₃ nanowires: Growth and thermoelectric properties. APL Materials, 2017, 5, .	2.2	3
69	Direct experimental determination of spiral spin structures via the dichroism extinction effect in resonant elastic soft x-ray scattering. Physical Review B, 2017, 96, .	1.1	26
70	Synthesis of Superconductor-Topological Insulator Hybrid Nanoribbon Structures. Nano, 2017, 12, 1750095.	0.5	0
71	Ultrahigh magnetic field spectroscopy reveals the band structure of the three-dimensional topological insulator $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{Bi} \rangle \rangle \langle \text{mml:mn} \text{2} \rangle \langle \text{mml:mfn} \text{5} \rangle \langle \text{mml:msup} \langle \text{mml:mi} \text{1} \rangle \rangle \langle \text{mml:mi} \text{1} \rangle \rangle$. Physical Review B, 2017, 96, .		
72	Emergence of Dirac-like bands in the monolayer limit of epitaxial Ge films on Au(111). 2D Materials, 2017, 4, 031005.	2.0	10

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73	Magnetic proximity coupling to Cr-doped $\text{Sb}_{1-x}\text{Cr}_x\text{Te}_3$ thin films. Physical Review B, 2017, 95, .	1.2	15
74	X-ray magnetic circular dichroism study of Dy-doped Bi_2Te_3 topological insulator thin films. Journal of Magnetism and Magnetic Materials, 2017, 422, 93-99.	1.0	15
75	Proposal of a micromagnetic standard problem for ferromagnetic resonance simulations. Journal of Magnetism and Magnetic Materials, 2017, 421, 428-439.	1.0	48
76	Thermoelectric Measurement of a Single, TiO_2 -Catalyzed Bi_2Te_3 Nanowire. Proceedings (mdpi), 2017, 1, .	0.2	2
77	Van der Waals epitaxy between the highly lattice mismatched Cu-doped FeSe and Bi_2Te_3 . NPG Asia Materials, 2017, 9, e402-e402.	3.8	21
78	Codoping of $\text{Sb}_{1-x}\text{V}_x\text{Te}_3$ films with V and Cr. Physical Review Materials, 2017, 1, .	0.2	15
79	Structural, electronic, and magnetic investigation of magnetic ordering in MBE-grown $\text{Cr}_x\text{Sb}_{2-x}\text{Te}_3$ thin films. Europhysics Letters, 2016, 115, 27006.	0.7	24
80	Step-Flow Growth of Bi_2Te_3 Nanobelts. Crystal Growth and Design, 2016, 16, 6961-6966.	1.4	5
81	Spin pumping in magnetic trilayer structures with an MgO barrier. Scientific Reports, 2016, 6, 35582.	1.6	25
82	Engineering helimagnetism in MnSi thin films. AIP Advances, 2016, 6, .	0.6	9
83	Imaging and manipulation of skyrmion lattice domains in Cu_2OSeO_3 . Applied Physics Letters, 2016, 109, .	1.5	16
84	High Resolution STEM Study of Dy-doped Bi_2Te_3 Thin Films. Microscopy and Microanalysis, 2016, 22, 1516-1517.	0.2	0
85	Strain in epitaxial MnSi films on $\text{Si}(111)$ in the thick film limit studied by polarization-dependent extended x-ray absorption fine structure. Physical Review B, 2016, 94, .	1.1	12
86	Experimental and density functional study of Mn doped Bi_2Te_3 topological insulator. APL Materials, 2016, 4, .	2.2	14
87	Atomic-level structural and chemical analysis of Cr-doped Bi_2Se_3 thin films. Scientific Reports, 2016, 6, 26549.	1.6	9
88	The magneto-Hall difference and the planar extraordinary Hall balance. AIP Advances, 2016, 6, 045019.	0.6	2
89	On the temperature dependence of spin pumping in ferromagnet/topological insulator/ferromagnet spin valves. Results in Physics, 2016, 6, 293-294.	2.0	6
90	Spin pumping through a topological insulator probed by x-ray detected ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2016, 400, 178-183.	1.0	19

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91	Multidomain Skyrmion Lattice State in Cu_2OSeO_3 . Nano Letters, 2016, 16, 3285-3291.	4.5	75
92	Free-standing millimetre-long Bi_2Te_3 sub-micron belts catalyzed by TiO_2 nanoparticles. Nanoscale Research Letters, 2016, 11, 308.	3.1	3
93	One-Step SnO_2 Nanotree Growth. Chemistry - A European Journal, 2016, 22, 13823-13825.	1.7	2
94	Transverse field muon-spin rotation measurement of the topological anomaly in a thin film of MnSi . Physical Review B, 2016, 93, .	1.1	12
95	Resonant elastic x-ray scattering from the skyrmion lattice in Cu_2OSeO_3 . Physical Review B, 2016, 93, .	1.1	46
96	Oxidation Effects in Rare Earth Doped Topological Insulator Thin Films. Scientific Reports, 2016, 6, 22935.	1.6	21
97	Magnetic ordering in Ho-doped Bi_2Te_3 topological insulator. Physica Status Solidi - Rapid Research Letters, 2016, 10, 467-470.	1.2	7
98	Anisotropic Absorption of Pure Spin Currents. Physical Review Letters, 2016, 116, 047201.	2.9	45
99	Angular Control of a Hybrid Magnetic Metamolecule Using Anisotropic FeCo . Physical Review Applied, 2015, 4, .	1.5	7
100	Exchange spring switching in Er-doped $\text{DyFe}_2/\text{YFe}_2$ magnetic thin films. Physical Review B, 2015, 92, .	1.1	5
101	Transverse field muon-spin rotation signature of the skyrmion-lattice phase in $\text{Cu}_2\text{Mn}_2\text{Te}_5$. Physical Review B, 2015, 91, .	1.2	18
102	Magnetic proximity-enhanced Curie temperature of Cr-doped Bi_2Te_3 thin films. Physical Review B, 2015, 92, .	1.2	25
103	Spin pumping in Ferromagnet-Topological Insulator-Ferromagnet Heterostructures. Scientific Reports, 2015, 5, 7907.	1.6	83
104	Study of Ho-doped Bi_2Te_3 topological insulator thin films. Applied Physics Letters, 2015, 107, .	1.5	25
105	Massive Dirac Fermion Observed in Lanthanide-Doped Topological Insulator Thin Films. Scientific Reports, 2015, 5, 15767.	1.6	28
106	Topological computation based on direct magnetic logic communication. Scientific Reports, 2015, 5, 15773.	1.6	48
107	Tailoring of magnetic properties of ultrathin epitaxial Fe films by Dy doping. AIP Advances, 2015, 5, 077117.	0.6	5
108	Universal Magnetic Hall Circuit Based on Paired Spin Heterostructures. Advanced Electronic Materials, 2015, 1, 1400054.	2.6	5

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109	Organic Transistors: Universal Magnetic Hall Circuit Based on Paired Spin Heterostructures (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	6
110	Magnetic reversal in Dy-doped DyF_2 thin films. Physical Review B, 2015, 91, .	1.1	4
111	Study of Dy-doped Bi_2Te_3 : thin film growth and magnetic properties. Journal of Physics Condensed Matter, 2015, 27, 245602.	0.7	38
112	Growth of BiSe and BiTe on amorphous fused silica by MBE. Physica Status Solidi (B): Basic Research, 2015, 252, 1334-1338.	0.7	15
113	A new topological insulator built from quasi one-dimensional atomic ribbons. Physica Status Solidi - Rapid Research Letters, 2015, 9, 130-135.	1.2	6
114	Local Structure and Bonding of Transition Metal Dopants in Bi_2Se_3 Topological Insulator Thin Films. Journal of Physical Chemistry C, 2015, 119, 17344-17351.	1.5	57
115	An ultra-compact, high-throughput molecular beam epitaxy growth system. Review of Scientific Instruments, 2015, 86, 043901.	0.6	9
116	Magnetization dynamics in an exchange-coupled NiFe/CoFe bilayer studied by x-ray detected ferromagnetic resonance. New Journal of Physics, 2015, 17, 013019.	1.2	43
117	Effect of interfacial structures on spin dependent tunneling in epitaxial $\text{1-FePt}/\text{MgO}/\text{FePt}$ perpendicular magnetic tunnel junctions. Journal of Applied Physics, 2015, 117, .	1.1	18
118	Structural properties and growth mechanism of Cd_3As_2 nanowires. Applied Physics Letters, 2015, 106, .	1.5	20
119	Magnetic ordering in Cr-doped Bi_2Se_3 thin films. Europhysics Letters, 2014, 107, 57009.	0.7	60
120	X-ray magnetic spectroscopy of MBE-grown Mn-doped Bi_2Se_3 thin films. AIP Advances, 2014, 4, .	0.6	38
121	Preparation of layered thin film samples for angle-resolved photoemission spectroscopy. Applied Physics Letters, 2014, 105, 121608.	1.5	25
122	Magnetic Cr doping of Bi_2Te_3 thin films: Evidence for divalent Cr from x-ray spectroscopy. Physical Review B, 2014, 90, .	1.1	16
123	Comparison of Au and TiO_2 based catalysts for the synthesis of chalcogenide nanowires. Applied Physics Letters, 2014, 104, 253103.	1.5	8
124	Controlled removal of amorphous Se capping layer from a topological insulator. Applied Physics Letters, 2014, 105, .	1.5	20
125	Study of Gd-doped Bi_2Te_3 thin films: Molecular beam epitaxy growth and magnetic properties. Journal of Applied Physics, 2014, 115, .	1.1	47
126	Catalyst-free growth of Bi_2Te_3 nanostructures by molecular beam epitaxy. Applied Physics Letters, 2014, 105, 153114.	1.5	6

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127	Modelling ferromagnetic resonance in magnetic multilayers: Exchange coupling and demagnetisation-driven effects. Journal of Applied Physics, 2014, 115, 17D140.	1.1	3
128	Vapour-liquid-solid growth of ternary Bi ₂ Se ₂ Te nanowires. Nanoscale Research Letters, 2014, 9, 127.	3.1	17
129	Engineering of Bi ₂ Se ₃ nanowires by laser cutting. EPJ Applied Physics, 2014, 66, 10401.	0.3	4
130	Controlling spin-dependent tunneling by bandgap tuning in epitaxial rocksalt MgZnO films. Scientific Reports, 2014, 4, 7277.	1.6	24
131	Three dimensional magnetic abacus memory. Scientific Reports, 2014, 4, 6109.	1.6	33
132	10.1063/1.4904803.1., 2014, , .		0
133	Study of the structural, electric and magnetic properties of Mn-doped Bi ₂ Te ₃ single crystals. New Journal of Physics, 2013, 15, 103016.	1.2	80
134	Structure of epitaxial L1-FePt/MgO perpendicular magnetic tunnel junctions. Applied Physics Letters, 2013, 102, .	1.5	21
135	NONVOLATILE FULL ADDER BASED ON A SINGLE MULTIVALUED HALL JUNCTION. Spin, 2013, 03, 1350008.	0.6	8
136	Magnetic properties of gadolinium substituted Bi ₂ Te ₃ thin films. Applied Physics Letters, 2013, 102, .	1.5	32
137	Extraordinary hall balance. Scientific Reports, 2013, 3, 2087.	1.6	30
138	Magnetic reversal in a YFe ₂ dominated DyFe ₂ /YFe ₂ multilayer film. Applied Physics Letters, 2012, 101, 072412.	1.5	13
139	Transverse magnetic exchange springs in a DyFe ₂ /YFe ₂ superlattice. Physical Review B, 2012, 86, .	1.1	11
140	Interface Characterization of Epitaxial Fe/MgO/Fe Magnetic Tunnel Junctions. Journal of Nanoscience and Nanotechnology, 2012, 12, 1006-1023.	0.9	22
141	Electronic structure of Fe and Co magnetic adatoms on Bi ₂ Te ₃ surfaces. Physical Review B, 2012, 86, .	1.1	37
142	Magnetic susceptibility of n-type GaAs. Semiconductor Science and Technology, 2012, 27, 055018.	1.0	5
143	Methane chemical vapor deposition on transition metal/GaAs samples – a possible route to Haeckelite carbon nanotubes?. Surface and Interface Analysis, 2012, 44, 456-465.	0.8	0
144	Micromagnetic Investigation of the S-State Reconfigurable Logic Element. IEEE Transactions on Magnetics, 2012, 48, 2103-2111.	1.2	2

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145	Development of an electronic nose sensing platform for undergraduate education in nanotechnology. <i>European Journal of Physics</i> , 2011, 32, 675-686.	0.3	5
146	Continuous roll-to-roll growth of graphene films by chemical vapor deposition. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	95
147	Are Carbon Nanotubes a Naturally Occurring Material? Hints from Methane CVD Using Lava as a Catalyst. <i>Current Nanoscience</i> , 2011, 7, 294-296.	0.7	11
148	An Undergraduate Nanotechnology Engineering Laboratory Course on Atomic Force Microscopy. <i>IEEE Transactions on Education</i> , 2011, 54, 428-441.	2.0	7
149	Micromagnetic analysis of unusual, V-shaped domain transitions in MnAs nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1840-1845.	1.0	6
150	Magnetic logic element based on an S-shaped Permalloy structure. <i>Applied Physics Letters</i> , 2010, 96, 072501.	1.5	17
151	Surface acoustic wave-assisted scanning probe microscopy—a summary. <i>Reports on Progress in Physics</i> , 2010, 73, 016102.	8.1	16
152	Investigation of slanted and V-shaped domain walls in MnAs films. <i>Journal of Applied Physics</i> , 2009, 105, 07D504.	1.1	2
153	Comparative study of the influence of the solvent on the catalytic growth of carbon nanotubes. <i>Microelectronic Engineering</i> , 2008, 85, 156-160.	1.1	0
154	Magnetic coupling of ferromagnetic stripe arrays: Analytical model for the \pm coexistence regime of MnAs/GaAs(001). <i>Physical Review B</i> , 2008, 78, .	1.1	5
155	Three-dimensional magnetic flux-closure domain patterns in MnAs thin films on GaAs(001). <i>Journal of Applied Physics</i> , 2007, 101, 09K103.	1.1	6
156	Three-dimensional micromagnetic domain structure of MnAs films on GaAs(001): Experimental imaging and simulations. <i>Physical Review B</i> , 2007, 75, .	1.1	15
157	Systematic investigation of Permalloy nanostructures for magnetologic applications. <i>Journal of Applied Physics</i> , 2007, 101, 09F503.	1.1	5
158	Micromagnetic properties of epitaxial MnAs films on GaAs surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1763-1766.	0.8	2
159	Effects of anisotropic exchange on the micromagnetic domain structures. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1271-1279.	0.7	7
160	CVD synthesis and purification of single-walled carbon nanotubes using silica-supported metal catalyst. <i>Materials Letters</i> , 2007, 61, 2589-2593.	1.3	27
161	Growth of carbon nanotubes on GaAs. <i>Materials Letters</i> , 2007, 61, 4631-4634.	1.3	6
162	Analytical and numerical calculations of the magnetic force microscopy response: A comparison. <i>Journal of Applied Physics</i> , 2006, 99, 113905.	1.1	21

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163	Magnetization reversal in MnAs films: Magnetic force microscopy, SQUID magnetometry, and micromagnetic simulations. <i>Physical Review B</i> , 2006, 73, .	1.1	28
164	Micromagnetic properties of MnAs-on-GaAs(001) films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 3574-3580.	0.8	6
165	The nature of charged zig-zag domains in MnAs thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 457-463.	1.0	16
166	Investigation of magnetically coupled ferromagnetic stripe arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 84, 231-236.	1.1	12
167	High-aspect ratio patterning of MnAs films. <i>Semiconductor Science and Technology</i> , 2006, 21, 1502-1506.	1.0	0
168	Micromagnetic properties of MnAs(0001) \hat{a} \cdot GaAs(111) epitaxial films. <i>Applied Physics Letters</i> , 2006, 88, 052505.	1.5	12
169	Extending the magnetic order of MnAs films on GaAs to higher temperatures. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 288, 173-177.	1.0	5
170	Qualitative and quantitative analysis of acoustomigration effects in SAW-devices. <i>Microelectronic Engineering</i> , 2005, 82, 655-659.	1.1	5
171	Variable magnetic field and temperature magnetic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 1359-1362.	1.1	13
172	From ferro- to antiferromagnetism via exchange-striction of MnAs/GaAs(001). <i>Europhysics Letters</i> , 2005, 72, 479-485.	0.7	23
173	Tailoring of the structural and magnetic properties of MnAs films grown on GaAs \hat{a} ”Strain and annealing effects. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005, 23, 1759.	1.6	37
174	Field dependence of micromagnetic domain patterns in MnAs films. <i>Journal of Applied Physics</i> , 2005, 98, 063909.	1.1	18
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