

# Michel Hehn

## 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.

247  
papers

6,302  
citations

40  
h-index

71  
g-index

261  
ext. papers

7,160  
ext. citations

4.8  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
247	Ultrafast magnetic scattering on ferrimagnets enabled by a bright Yb-based soft x-ray source. <i>Optica</i> , <b>2022</b> , 9, 399	8.6	3
246	Time-Resolved XUV Absorption Spectroscopy and Magnetic Circular Dichroism at the Ni M <sub>2,3</sub> -Edges. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 325	2.6	5
245	Magnetoresistive properties of cobalt thin films grown by plasma-assisted atomic layer deposition. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 105002	3	
244	Tunable Stochasticity in an Artificial Spin Network. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008135	24	1
243	All-optical Helicity-Independent Switching State Diagram in Gd-Fe-Co Alloys. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	5
242	Direct Imaging of Chiral Domain Walls and Néel-Type Skyrmionium in Ferrimagnetic Alloys. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102307	15.6	3
241	Laser induced ultrafast 3d and 4f spin dynamics in CoDy ferrimagnetic alloys as a function of temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 530, 167883	2.8	0
240	Low-Energy Spin Precession in the Molecular Field of a Magnetic Thin Film. <i>Annalen Der Physik</i> , <b>2021</b> , 533, 2000470	2.6	1
239	Generation of spin waves via spin-phonon interaction in a buried dielectric thin film. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
238	Current-Induced Spin Torques on Single GdFeCo Magnetic Layers. <i>Advanced Materials</i> , <b>2021</b> , 33, e20070474	47	20
237	Sensing Mechanism of Surface Acoustic Wave Magnetic Field Sensors Based on Ferromagnetic Films. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 2566-2575	3.2	5
236	Spin-transport Mediated Single-shot All-optical Magnetization Switching of Metallic Films. <i>Journal of the Physical Society of Japan</i> , <b>2021</b> , 90, 081009	1.5	1
235	Superconductivity assisted change of the perpendicular magnetic anisotropy in V/MgO/Fe junctions. <i>Scientific Reports</i> , <b>2021</b> , 11, 19041	4.9	3
234	Laser-induced ultrafast demagnetization and perpendicular magnetic anisotropy reduction in a Co <sub>88</sub> Tb <sub>12</sub> thin film with stripe domains. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	7
233	Probing the antiferromagnetic-paramagnetic transition in artificial spin ice by tuning interactions. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	6
232	Enhanced Performance Love Wave Magnetic Field Sensors With Temperature Compensation. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 11292-11301	4	9
231	Epitaxial growth of TbFe on piezoelectric LiNbO <sub>3</sub> Z-cut. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 235803	1.8	1

230	Optoelectronic domain-wall motion for logic computing. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 252403	3.4	2
229	Temperature compensated magnetic field sensor based on love waves. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 045036	3.4	11
228	Interfacial Spin-Orbit Coupling: A Platform for Superconducting Spintronics. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	19
227	Reversible response of a magnetic surface acoustic wave device with perpendicular magnetization. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 305002	3	2
226	Tailoring femtosecond hot-electron pulses for ultrafast spin manipulation. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 222408	3.4	0
225	Artifacts in magnetic force microscopy under in-plane applied magnetic field: Magnetic bubble as a case study. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 500, 166296	2.8	1
224	Energy Efficient Control of Ultrafast Spin Current to Induce Single Femtosecond Pulse Switching of a Ferromagnet. <i>Advanced Science</i> , <b>2020</b> , 7, 2001996	13.6	6
223	Superconductivity-induced change in magnetic anisotropy in epitaxial ferromagnet-superconductor hybrids with spin-orbit interaction. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	9
222	Microstructured Multilayered Surface-Acoustic-Wave Device for Multifunctional Sensing. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	3
221	Engineering Single-Shot All-Optical Switching of Ferromagnetic Materials. <i>Nano Letters</i> , <b>2020</b> , 20, 8654-8660	13.6	9
220	Spin-orbit torque switching of a ferromagnet with picosecond electrical pulses. <i>Nature Electronics</i> , <b>2020</b> , 3, 680-686	28.4	20
219	Slow-Wave-Based Nanomagnonic Diode. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	12
218	Magnetic correlations in polycrystalline Tb <sub>0.15</sub> Co <sub>0.85</sub> . <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 335302	3	1
217	Controlling All-Optical Helicity-Dependent Switching in Engineered Rare-Earth Free Synthetic Ferrimagnets. <i>Advanced Science</i> , <b>2019</b> , 6, 1901876	13.6	9
216	From single to multiple pulse all-optical switching in GdFeCo thin films. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	11
215	Spin-driven electrical power generation at room temperature. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	7
214	Ultrafast demagnetization in buried Co <sub>80</sub> Dy <sub>20</sub> as fingerprint of hot-electron transport. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 485, 320-324	2.8	3
213	Single-shot time-resolved magnetic x-ray absorption at a free-electron laser. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	10

212	Consolidated picture of tunnelling spintronics across oxygen vacancy states in MgO. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 305302	3	6
211	Energy-Efficient Domain-Wall Motion Governed by the Interplay of Helicity-Dependent Optical Effect and Spin-Orbit Torque. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4-3	9
210	Coherent Resonant Tunneling through Double Metallic Quantum Well States. <i>Nano Letters</i> , <b>2019</b> , 19, 3019-3026	11.5	11
209	Domain-wall motion induced by spin transfer torque delivered by helicity-dependent femtosecond laser. <i>Physical Review B</i> , <b>2019</b> , 99,	3-3	4
208	From Multiple- to Single-Pulse All-Optical Helicity-Dependent Switching in Ferromagnetic Co/Pt Multilayers. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4-3	23
207	Resolving the role of magnetic circular dichroism in multishot helicity-dependent all-optical switching. <i>Physical Review B</i> , <b>2019</b> , 100,	3-3	8
206	Intrinsic versus shape anisotropy in micro-structured magnetostrictive thin films for magnetic surface acoustic wave sensors. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 12LT01	3-4	15
205	Evidence of Pure Spin-Current Generated by Spin Pumping in Interface-Localized States in Hybrid Metal-Silicon-Metal Vertical Structures. <i>Nano Letters</i> , <b>2019</b> , 19, 90-99	11.5	9
204	Helicity-dependent all-optical domain wall motion in ferromagnetic thin films. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	42
203	Electrical Initialization of Electron and Nuclear Spins in a Single Quantum Dot at Zero Magnetic Field. <i>Nano Letters</i> , <b>2018</b> , 18, 2381-2386	11.5	13
202	Suppression of all-optical switching in He <sup>+</sup> -irradiated Co/Pt multilayers: influence of the domain-wall energy. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 215004	3	5
201	Spin-orbit torque-induced switching in ferrimagnetic alloys: Experiments and modeling. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 062401	3-4	52
200	Atomic-scale understanding of high thermal stability of the Mo/CoFeB/MgO spin injector for spin-injection in remanence. <i>Nanoscale</i> , <b>2018</b> , 10, 10213-10220	7-7	13
199	Towards Thermal Reading of Magnetic States in Hall Crosses. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4-3	1
198	Tunneling anisotropic magnetoresistance in fully epitaxial magnetic tunnel junctions with different barriers. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 242404	3-4	1
197	Hot-electron transport and ultrafast magnetization dynamics in magnetic multilayers and nanostructures following femtosecond laser pulse excitation. <i>European Physical Journal B</i> , <b>2018</b> , 91, 1	1-2	13
196	Picosecond acoustic-excitation-driven ultrafast magnetization dynamics in dielectric Bi-substituted yttrium iron garnet. <i>Physical Review B</i> , <b>2018</b> , 98,	3-3	22
195	Spin-polarized resonant surface state in (1 1 1) Sm Gd Al, a zero-magnetization ferromagnet. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 435501	1.8	

194	Creation of Magnetic Skyrmion Bubble Lattices by Ultrafast Laser in Ultrathin Films. <i>Nano Letters</i> , <b>2018</b> , 18, 7362-7371	11.5	56
193	Symmetry-state features in a global analysis of the temperature-dependent spin transport in Fe/MgO/Fe junctions. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
192	Single-Shot Multi-Level All-Optical Magnetization Switching Mediated by Spin Transport. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804004	24	34
191	A tunable magnetic metamaterial based on the dipolar four-state Potts model. <i>Nature Materials</i> , <b>2018</b> , 17, 1076-1080	27	26
190	Independence of spin-orbit torques from the exchange bias direction in Ni <sub>81</sub> Fe <sub>19</sub> /IrMn bilayers. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	23
189	Thermal Contribution to the Spin-Orbit Torque in Metallic-Ferrimagnetic Systems. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	33
188	Symmetry broken spin reorientation transition in epitaxial MgO/Fe/MgO layers with competing anisotropies. <i>Scientific Reports</i> , <b>2018</b> , 8, 9463	4.9	5
187	Statistical study of domain-wall depinning induced by magnetic field and current in an epitaxial Co/Ni-based spin-valve wire. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	5
186	Materials and devices for all-optical helicity-dependent switching. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 133002	3	31
185	Perpendicularly magnetized CoFeB multilayers with tunable interlayer exchange for synthetic ferrimagnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 432, 260-265	2.8	7
184	Tunneling Spintronics across MgO Driven by Double Oxygen Vacancies. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600390	6.4	7
183	Probing a Device@ Active Atoms. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606578	24	12
182	Comparison between Ir, Ir <sub>0.85</sub> Rh <sub>0.15</sub> and Ir <sub>0.7</sub> Rh <sub>0.3</sub> thin films as electrodes for surface acoustic waves applications above 800 °C in air atmosphere. <i>Sensors and Actuators A: Physical</i> , <b>2017</b> , 266, 211-218 <sup>3.9</sup>	3.9	7
181	Ultrafast hot-electron induced quenching of Tb 4f magnetic order. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9
180	Manipulating exchange bias using all-optical helicity-dependent switching. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	11
179	Ultrafast Magnetization Manipulation Using Single Femtosecond Light and Hot-Electron Pulses. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703474	24	45
178	Metalliclike behavior of the exchange coupling in (001) Fe/MgO/Fe junctions. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
177	Element-resolved ultrafast demagnetization rates in ferrimagnetic CoDy. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9

176	Notice of Removal: SAW resonators for magnetic field sensing with (TbCo <sub>2</sub> /FeCo) multilayered IDTs as sensitive layer <b>2017</b> ,		2
175	Unipolar and Bipolar High-Magnetic-Field Sensors Based on Surface Acoustic Wave Resonators. <i>Physical Review Applied</i> , <b>2017</b> , 8,	4-3	33
174	Bias Dependence of the Electrical Spin Injection into GaAs from CoFeB/MgO Injectors with Different MgO Growth Processes. <i>Physical Review Applied</i> , <b>2017</b> , 8,	4-3	10
173	Pump-probe experiments at the TEMPO beamline using the low-operation mode of Synchrotron SOLEIL. <i>Journal of Synchrotron Radiation</i> , <b>2017</b> , 24, 886-897	2-4	9
172	Thickness and angular dependence of the magnetocurrent of hot electrons in a magnetic tunnel transistor with crossed anisotropies. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	3
171	Atomic scale structure and local chemistry of CoFeB-MgO perpendicular spin injector <b>2016</b> , 1060-1061		
170	Two types of all-optical magnetization switching mechanisms using femtosecond laser pulses. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	94
169	Domain size criterion for the observation of all-optical helicity-dependent switching in magnetic thin films. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	49
168	Impact of buffer layer and Pt thickness on the interface structure and magnetic properties in (Co/Pt) multilayers. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 336005	1.8	10
167	Fragmentation of magnetism in artificial kagome dipolar spin ice. <i>Nature Communications</i> , <b>2016</b> , 7, 11446	7.4	76
166	Study of InAlAs/InGaAs self-switching diodes for energy harvesting applications. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 014304	1.4	7
165	Magnetic field SAW sensors based on magnetostrictive-piezoelectric layered structures: FEM modeling and experimental validation. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 240, 41-49	3-9	36
164	Electrical characterization of all-optical helicity-dependent switching in ferromagnetic Hall crosses. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 092405	3-4	42
163	Origins of large light induced voltage in magnetic tunnel junctions grown on semiconductor substrates. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 023907	2-5	3
162	Hot-Electron-Induced Ultrafast Demagnetization in Co/Pt Multilayers. <i>Physical Review Letters</i> , <b>2016</b> , 117, 147203	7-4	69
161	Oxygen-vacancy driven tunnelling spintronics across MgO <b>2016</b> ,		3
160	Magnetic tunnel transistor with a perpendicular Co/Ni multilayer sputtered on a Si/Cu(1 0 0) Schottky diode. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 355003	3	4
159	Stability of a pinned magnetic domain wall as a function of its internal configuration. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 023909	2-5	3

158	The effect of annealing on magnetic properties of Co/Gd multilayers. <i>Vacuum</i> , <b>2015</b> , 120, 9-12	3.7	14
157	Enhanced magnetoresistance by monoatomic roughness in epitaxial Fe/MgO/Fe tunnel junctions. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	10
156	Generation and manipulation of domain walls using a thermal gradient in a ferrimagnetic TbCo wire. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 242403	3.4	11
155	Experimental study of spin-wave dispersion in Py/Pt film structures in the presence of an interface Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	75
154	Experimental Study of Multilayer Piezo-magnetic SAW Delay Line for Magnetic Sensor. <i>Procedia Engineering</i> , <b>2015</b> , 120, 870-873		9
153	Phase diagram in exchange-coupled CoTb/[Co/Pt] multilayer-based magnetic tunnel junctions. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	9
152	Long-Range Phase Coherence in Double-Barrier Magnetic Tunnel Junctions with a Large Thick Metallic Quantum Well. <i>Physical Review Letters</i> , <b>2015</b> , 115, 157204	7.4	30
151	Terahertz harvesting with shape-optimized InAlAs/InGaAs self-switching nanodiodes. <i>AIP Advances</i> , <b>2015</b> , 5, 117238	1.5	3
150	Indirect localization of a magnetic domain wall mediated by quasi walls. <i>Scientific Reports</i> , <b>2015</b> , 5, 9815	4.9	2
149	MgO magnetic tunnel junctions of enduring F-type upon annealing. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 435004	3	4
148	Extraordinary Hall effect based magnetic logic applications. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 052406	3.4	10
147	Thermally activated domain wall motion in [Co/Ni](111) superlattices with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 062406	3.4	11
146	Element- and time-resolved dynamics in rare-earth/transition metals alloys. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 310-312	0.2	
145	All-Optical Switching in CoTb Alloys: Composition and Thickness Dependent Studies. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 244-247	0.2	
144	Size distribution of magnetic charge domains in thermally activated but out-of-equilibrium artificial spin ice. <i>Scientific Reports</i> , <b>2014</b> , 4, 5702	4.9	24
143	Engineered materials for all-optical helicity-dependent magnetic switching. <i>Nature Materials</i> , <b>2014</b> , 13, 286-92	27	401
142	Electrical control of interfacial trapping for magnetic tunnel transistor on silicon. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 042408	3.4	5
141	Large and robust electrical spin injection into GaAs at zero magnetic field using an ultrathin CoFeB/MgO injector. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	47



140	All-optical control of ferromagnetic thin films and nanostructures. <i>Science</i> , <b>2014</b> , 345, 1337-40	33.3	393
139	Ultrafast angular momentum transfer in multisublattice ferrimagnets. <i>Nature Communications</i> , <b>2014</b> , 5, 3466	17.4	73
138	Interfaces anisotropy in single crystal V/Fe/V trilayer. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 372, 233-235	2.8	5
137	Nonuniversality of artificial frustrated spin systems. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	27
136	Localized states in advanced dielectrics from the vantage of spin- and symmetry-polarized tunnelling across MgO. <i>Nature Communications</i> , <b>2014</b> , 5, 4547	17.4	29
135	Reversal mechanism, switching field distribution, and dipolar frustrations in Co/Pt bit pattern media based on auto-assembled anodic alumina hexagonal nanobump arrays. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	25
134	Investigating the role of superdiffusive currents in laser induced demagnetization of ferromagnets with nanoscale magnetic domains. <i>Scientific Reports</i> , <b>2014</b> , 4, 4658	4.9	28
133	Kerr and Faraday microscope for space- and time-resolved studies. <i>European Physical Journal B</i> , <b>2014</b> , 87, 1	1.2	1
132	ELECTRONIC, STRUCTURAL AND MAGNETIC PROPERTIES OF Co <sub>2</sub> FeAl THIN FILMS FOR POTENTIAL SPINTRONIC APPLICATIONS. <i>Spin</i> , <b>2014</b> , 04, 1440022	1.3	4
131	Subpicosecond magnetization dynamics in TbCo alloys. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	40
130	Kinetic pathways to the magnetic charge crystal in artificial dipolar spin ice. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	26
129	Theoretical and experimental study of layered SAW magnetic sensor <b>2014</b> ,		5
128	Electrical spin injection into InGaAs/GaAs quantum wells: A comparison between MgO tunnel barriers grown by sputtering and molecular beam epitaxy methods. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 012404	3.4	21
127	Seebeck nanoantennas for solar energy harvesting. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 093108	3.4	25
126	Computational analysis of a spiral thermoelectric nanoantenna for solar energy harvesting applications <b>2014</b> ,		3
125	Seebeck nanoantennas for the detection and characterization of infrared radiation. <i>Optics Express</i> , <b>2014</b> , 22 Suppl 6, A1538-46	3.3	16
124	Interfacial trapping for hot electron injection in silicon. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 022407	3.4	8
123	Shot Noise in Epitaxial Double-Barrier Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4347-4350	2	



122	Structural defects analysis versus spin polarized tunneling in Co <sub>2</sub> FeAl/MgO/CoFe magnetic tunnel junctions with thick MgO barriers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 347, 79-85	2.8	9
121	Energy levels of interacting curved nanomagnets in a frustrated geometry: increasing accuracy when using finite difference methods. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 296001	1.8	2
120	Role of critical spin fluctuations in ultrafast demagnetization of transition-metal rare-earth alloys. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	41
119	Energy-resolved magnetic domain imaging in TbCo alloys by valence band photoemission magnetic circular dichroism. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	3
118	Chiral nature of magnetic monopoles in artificial spin ice. <i>New Journal of Physics</i> , <b>2013</b> , 15, 035026	2.9	36
117	Spin-orbit coupling effect by minority interface resonance states in single-crystal magnetic tunnel junctions. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	16
116	Unidirectional thermal effects in current-induced domain wall motion. <i>Physical Review Letters</i> , <b>2012</b> , 109, 106601	7.4	49
115	Magnetic vortices in single crystalline Fe-V disks with four folds magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 192406	3.4	12
114	Light-induced magnetization reversal of high-anisotropy TbCo alloy films. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 162408	3.4	134
113	Controlling shot noise in double-barrier magnetic tunnel junctions. <i>Physical Review Letters</i> , <b>2012</b> , 109, 066601	7.4	17
112	Fe/MgO/Fe (100) textured tunnel junctions exhibiting spin polarization features of single crystal junctions. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 072408	3.4	4
111	Measurement of the dynamical dipolar coupling in a pair of magnetic nanodisks using a ferromagnetic resonance force microscope. <i>Physical Review Letters</i> , <b>2012</b> , 109, 247602	7.4	32
110	Real time atomic force microscopy imaging during nanogap formation by electromigration. <i>Nanotechnology</i> , <b>2012</b> , 23, 365302	3.4	14
109	Influence of a TiO <sub>2</sub> buffer layer on the magnetic properties of anatase Co:TiO <sub>2</sub> thin films. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 083917	2.5	4
108	Magnetoresistive effects in perpendicularly magnetized Tb-Co alloy based thin films and spin valves. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 083904	2.5	39
107	Giant spin-dependent thermoelectric effect in magnetic tunnel junctions. <i>Nature Communications</i> , <b>2012</b> , 3, 744	17.4	102
106	Periodic arrays of magnetic nanostructures by depositing Co/Pt multilayers on the barrier layer of ordered anodic alumina templates. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 013110	3.4	19
105	Asymmetric magnetization reversal in dipolarly coupled spin valve structures with perpendicular magnetic anisotropy. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	15

104	Strong Reduction of 1/f Noise by Carbon Doping in Epitaxial Fe/MgO(100) 12 ML/Fe Magnetic Tunnel Junctions with Barrier Defects. <i>Acta Physica Polonica A</i> , <b>2012</b> , 121, 981-984	0.6	3
103	Behavior of platinum/tantalum as interdigital transducers for SAW devices in high-temperature environments. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2011</b> , 58, 603-10	3.2	34
102	Static and dynamic magnetic properties of epitaxial Co <sub>2</sub> FeAl Heusler alloy thin films. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07D324	2.5	25
101	On the control of spin flop in synthetic antiferromagnetic films. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 103911	2.5	15
100	Stochastic and complex depinning dynamics of magnetic domain walls. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	26
99	Finite tunnel magnetoresistance at the compensation point of Sm <sub>1-x</sub> Gd <sub>x</sub> Al <sub>2</sub> , a ferromagnetic electrode with zero magnetization. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 232504	3.4	5
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