

# Xiu Feng Han

## 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.

253  
papers

4,826  
citations

37  
h-index

54  
g-index

284  
ext. papers

6,097  
ext. citations

5.5  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
253	Current-induced Néel order switching facilitated by magnetic phase transition.. <i>Nature Communications</i> , <b>2022</b> , 13, 1629	17.4	2
252	Role of an in-plane ferromagnet in a T-type structure for field-free magnetization switching. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 122402	3.4	0
251	A van der Waals Interface Hosting Two Groups of Magnetic Skyrmions.. <i>Advanced Materials</i> , <b>2022</b> , e2110583	8.3	6
250	Anomalous anisotropic spin-wave propagation in thin manganite films with uniaxial magnetic anisotropy. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 192402	3.4	1
249	Type-Y magnetic tunnel junctions with CoFeB doped tungsten as spin current source. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 182405	3.4	1
248	Long decay length of magnon-polarons in BiFeO/LaSrMnO heterostructures.. <i>Nature Communications</i> , <b>2021</b> , 12, 7258	17.4	2
247	Field-free programmable spin logics based on spin Hall effect. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 212405	3.4	0
246	Magnon junction effect in Y3Fe5O12/CoO/Y3Fe5O12 insulating heterostructures. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 212410	3.4	0
245	Superposition of Emergent Monopole and Antimonopole in CoTb Thin Films. <i>Physical Review Letters</i> , <b>2021</b> , 127, 217201	7.4	1
244	Sub-50 nm wavelength spin waves excited by low-damping Co25Fe75 nanowires. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 152402	3.4	2
243	Magnetic memory driven by topological insulators. <i>Nature Communications</i> , <b>2021</b> , 12, 6251	17.4	12
242	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. <i>Nano Research</i> , <b>2021</b> , 14, 2133	10	8
241	Spin-orbit torques: Materials, physics, and devices. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 120502	3.4	30
240	Giant tunneling magnetoresistance in van der Waals magnetic tunnel junctions formed by interlayer antiferromagnetic bilayer CoBr2. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	6
239	Large spin to charge conversion in antiferromagnetic Weyl semimetal Mn3Sn. <i>APL Materials</i> , <b>2021</b> , 9, 041111	5.7	1
238	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. <i>ACS Nano</i> , <b>2021</b> , 15, 9076-9083	16.7	4
237	Electron-Phonon Interaction Enables Strong Thermoelectric Seebeck Effect Variation in Hybrid Nanoscale Systems. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 13167-13175	3.8	0

236	Skyrmion-Based Programmable Logic Device with Complete Boolean Logic Functions. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	5
235	Exchange bias and spin-orbit torque in the Fe <sub>3</sub> GeTe <sub>2</sub> -based heterostructures prepared by vacuum exfoliation approach. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 262406	3.4	6
234	Efficient Spin-Orbit-Torque Switching Assisted by an Effective Perpendicular Field in a Magnetic Trilayer. <i>Physical Review Applied</i> , <b>2021</b> , 16,	4.3	2
233	Enhancement of Spin-orbit Torque by Strain Engineering in SrRuO <sub>3</sub> Films. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100380	15.6	5
232	Reconfigurable Spin-Wave Interferometer at the Nanoscale. <i>Nano Letters</i> , <b>2021</b> , 21, 6237-6244	11.5	5
231	Magnetic properties and the interfacial Dzyaloshinskii-Moriya interaction in exchange biased Pt/Co/NixOy films. <i>Applied Surface Science</i> , <b>2021</b> , 543, 148720	6.7	5
230	Gradual magnetization switching via domain nucleation driven by spin-orbit torque. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 032407	3.4	4
229	Néel-Type Elliptical Skyrmions in a Laterally Asymmetric Magnetic Multilayer. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006924	24	9
228	Electrical Spin Injection into the 2D Electron Gas in AlN/GaN Heterostructures with Ultrathin AlN Tunnel Barrier. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009771	15.6	4
227	Quantum theory of spin-torque driven magnetization switching. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
226	Current-Induced Manipulation of the Exchange Bias in a Pt/Co/NiO Structure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42258-42265	9.5	1
225	Switching the perpendicular magnetization of a magnetic insulator by magnon transfer torque. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
224	Magnetic asymmetry induced anomalous spin-orbit torque in IrMn. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	11
223	Electrical switching of perpendicular magnetization in a single ferromagnetic layer. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	36
222	A nonlocal spin Hall magnetoresistance in a platinum layer deposited on a magnon junction. <i>Nature Electronics</i> , <b>2020</b> , 3, 304-308	28.4	13
221	Spin relaxation induced by interfacial effects in n-GaN/MgO/Co spin injectors.. <i>RSC Advances</i> , <b>2020</b> , 10, 12547-12553	3.7	2
220	Current-Induced In-Plane Magnetization Switching in a Biaxial Ferrimagnetic Insulator. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	6
219	Characterization of Spin-Orbit Torque Efficiency in Magnetic Heterostructures with Perpendicular Magnetic Anisotropy via Spin-Torque Ferromagnetic Resonance. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	17

218	Three-Dimensional Dynamics of a Magnetic Hopfion Driven by Spin Transfer Torque. <i>Physical Review Letters</i> , <b>2020</b> , 124, 127204	7.4	27
217	Deterministic Spin-Orbit Torque Switching by a Light-Metal Insertion. <i>Nano Letters</i> , <b>2020</b> , 20, 3703-3709	11.5	22
216	Interlayer coupling in intrinsically magnetic bilayer ScO <sub>2</sub> and NbN <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2020</b> , 116, 082403	3.4	1
215	High Spin Hall Conductivity in Large-Area Type-II Dirac Semimetal PtTe. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000513	24	61
214	Chirality-Reversible Multistate Switching via Two Orthogonal Spin-Orbit Torques in a Perpendicularly Magnetized System. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	5
213	Creating zero-field skyrmions in exchange-biased multilayers through X-ray illumination. <i>Nature Communications</i> , <b>2020</b> , 11, 949	17.4	34
212	Determining spin-torque efficiency in ferromagnetic metals via spin-torque ferromagnetic resonance. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	12
211	Chiral Spin-Wave Velocities Induced by All-Garnet Interfacial Dzyaloshinskii-Moriya Interaction in Ultrathin Yttrium Iron Garnet Films. <i>Physical Review Letters</i> , <b>2020</b> , 124, 027203	7.4	36
210	Origin of the large voltage-controlled magnetic anisotropy in a Cr/Fe/MgO junction with an ultrathin Fe layer: First-principles investigation. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	6
209	Spin transmission in IrMn through measurements of spin Hall magnetoresistance and spin-orbit torque. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	5
208	Record thermopower found in an IrMn-based spintronic stack. <i>Nature Communications</i> , <b>2020</b> , 11, 2023	17.4	12
207	Formation and magnetic-field stability of magnetic dipole skyrmions and bubbles in a ferrimagnet. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 142404	3.4	6
206	Electrical detection of light helicity using a quantum-dot-based hybrid device at zero magnetic field. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2
205	Research progress of spin light emitting diode. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 208501	0.6	
204	Spin transport and dynamic properties of two-dimensional spin-momentum locked states. <i>Europhysics Letters</i> , <b>2020</b> , 130, 58001	1.6	1
203	Interface-induced perpendicular magnetic anisotropy in CoFeAl/NiFeO superlattice: first-principles study. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 716-723	3.6	5
202	Four distinct resistive states in van der Waals full magnetic 1T-VSe <sub>2</sub> /CrI <sub>3</sub> /1T-VSe <sub>2</sub> tunnel junction. <i>Applied Surface Science</i> , <b>2020</b> , 505, 144648	6.7	15
201	Robust Skyrmion Shift Device Through Engineering the Local Exchange-Bias Field. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	6

200	Magnetic Modulation of Terahertz Waves via Spin-Polarized Electron Tunneling Based on Magnetic Tunnel Junctions. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	3
199	Ultrahigh tunneling magnetoresistance in van der Waals and lateral magnetic tunnel junctions formed by intrinsic ferromagnets Li <sub>0.5</sub> CrI <sub>3</sub> and CrI <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2020</b> , 117, 022412	3.4	10
198	Néel-type skyrmion in WTe/FeGeTe van der Waals heterostructure. <i>Nature Communications</i> , <b>2020</b> , 11, 3860	17.4	81
197	Regulating the anomalous Hall and Nernst effects in Heusler-based trilayers. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 062405	3.4	2
196	Magnon Blocking Effect in an Antiferromagnet-Spaced Magnon Junction. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	3
195	Room temperature ferromagnetism in ultra-thin van der Waals crystals of 1T-CrTe <sub>2</sub> . <i>Nano Research</i> , <b>2020</b> , 13, 3358-3363	10	59
194	Electron Beam Lithography of Magnetic Skyrmions. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003003	24	14
193	Surface anisotropy induced spin wave nonreciprocity in epitaxial La <sub>0.33</sub> Sr <sub>0.67</sub> MnO <sub>3</sub> film on SrTiO <sub>3</sub> substrate. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 232402	3.4	2
192	All-electrical manipulation of magnetization in magnetic tunnel junction via spin-orbit torque. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 162401	3.4	17
191	Evidence of magnetization switching by anomalous spin Hall torque in NiFe. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	7
190	Current-driven magnetization switching in a van der Waals ferromagnet FeGeTe. <i>Science Advances</i> , <b>2019</b> , 5, eaaw8904	14.3	119
189	Spin-orbit torque switching in a T-type magnetic configuration with current orthogonal to easy axes. <i>Nature Communications</i> , <b>2019</b> , 10, 233	17.4	45
188	Magnon resonant tunneling effect in double-barrier insulating magnon junctions and magnon field effect transistor. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	4
187	Advanced Method for the Reliable Estimation of Spin-Orbit-Torque Efficiency in Low-Coercivity Ferromagnetic Multilayers. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	5
186	Influence of HfO <sub>2</sub> interlayers on magnetocrystalline anisotropy in Fe  MgO  Fe magnetic tunnel junction: First-principles investigation. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 233905	2.5	
185	Strain controlling transport properties of heterostructure composed of monolayer CrI <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2019</b> , 114, 192405	3.4	17
184	Large spin-orbit torque efficiency enhanced by magnetic structure of collinear antiferromagnet IrMn. <i>Science Advances</i> , <b>2019</b> , 5, eaau6696	14.3	37
183	Spin-orbit torque switching in perpendicular Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> /Pt bilayer. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 192409	3.4	29

182	Thermally activated magnetization back-hopping based true random number generator in nano-ring magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 112401	3.4	2
181	Fabrication, structural and magnetic properties of one-dimensional anti-ferromagnetic FeMn nanostructures. <i>AIP Advances</i> , <b>2019</b> , 9, 035225	1.5	
180	Giant Enhancements of Perpendicular Magnetic Anisotropy and Spin-Orbit Torque by a MoS Layer. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900776	24	40
179	Coherent Resonant Tunneling through Double Metallic Quantum Well States. <i>Nano Letters</i> , <b>2019</b> , 19, 3019-3026	11.5	11
178	Strategy for Fabricating Wafer-Scale Platinum Disulfide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8202-8209	9.5	29
177	Anatomy of Skyrmionic Textures in Magnetic Multilayers. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807683	24	41
176	Magnetic-field-free terahertz emission from a magnetic tunneling junction. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, 090913	1.4	7
175	Spin-Orbit Torque Switching of a Nearly Compensated Ferrimagnet by Topological Surface States. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901681	24	48
174	First-principles prediction of switchable metallic ferroelectricity in multiferroic tunnel junctions. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
173	Room-Temperature Spin-Orbit Torque from Topological Surface States. <i>Physical Review Letters</i> , <b>2019</b> , 123, 207205	7.4	67
172	Observation of large anomalous Nernst effect in 2D layered materials Fe <sub>3</sub> GeTe <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2019</b> , 115, 212402	3.4	11
171	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
170	Giant nonvolatile manipulation of magnetoresistance in magnetic tunnel junctions by electric fields via magnetoelectric coupling. <i>Nature Communications</i> , <b>2019</b> , 10, 243	17.4	58
169	Nonmetallic Atoms Induced Magnetic Anisotropy in Monolayer Chromium Trihalides. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 691-697	3.8	18
168	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
167	Magnon Valve Effect between Two Magnetic Insulators. <i>Physical Review Letters</i> , <b>2018</b> , 120, 097205	7.4	59
166	Threshold magnetoresistance in anisotropic magnetic 2D transition metal dichalcogenides. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3058-3064	7.1	5
165	First-principles study of perpendicular magnetic anisotropy in ferrimagnetic D022-Mn <sub>3</sub> X (X = Ga, Ge) on MgO and SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2018</b> , 112, 142403	3.4	19

164	Spatially Resolved Electric-Field Manipulation of Magnetism for CoFeB Mesoscopic Discs on Ferroelectrics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706448	15.6	26
163	Room-Temperature Skyrmions in an Antiferromagnet-Based Heterostructure. <i>Nano Letters</i> , <b>2018</b> , 18, 980-986	11.5	68
162	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
161	Experimental investigation and micromagnetic simulations of hybrid CoCrO/Ni coaxial nanostructures. <i>Nanotechnology</i> , <b>2018</b> , 29, 245601	3.4	2
160	Field-Free Programmable Spin Logics via Chirality-Reversible Spin-Orbit Torque Switching. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801318	24	63
159	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
158	Large magnetic anisotropy and its strain modulation in two-dimensional intrinsic ferromagnetic monolayer RuO and OsO. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 28162-28168	3.6	14
157	Magnetic Configurations and State Diagram of Nanoring Magnetic Tunnel Junctions. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	6
156	Room temperature spin injection into SiC via Schottky barrier. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 222402	3.4	3
155	Micromagnetic simulation of spin torque ferromagnetic resonance in nano-ring-shape confined magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 142406	3.4	5
154	Spin-Torque Ferromagnetic Resonance in W/CoFeB/W/CoFeB/MgO Stacks. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	15
153	Study of spin-orbit torque induced magnetization switching in synthetic antiferromagnet with ultrathin Ta spacer layer. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 162402	3.4	14
152	Magnon valves based on YIG/NiO/YIG all-insulating magnon junctions. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	24
151	Microwave Spin-Torque-Induced Magnetic Resonance in a Nanoring-Shape-Confined Magnetic Tunnel Junction. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	5
150	Role of dimensional crossover on spin-orbit torque efficiency in magnetic insulator thin films. <i>Nature Communications</i> , <b>2018</b> , 9, 3612	17.4	53
149	Novel Cascadable Magnetic Majority Gates for Implementing Comprehensive Logic Functions. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 4687-4693	2.9	3
148	Ultrahigh Tunneling-Magnetoresistance Ratios in Nitride-Based Perpendicular Magnetic Tunnel Junctions from First Principles. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	15
147	Experimental demonstration of programmable multi-functional spin logic cell based on spin Hall effect. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 428, 401-405	2.8	19

146	Programmable Spin Logic Based on Spin Hall Effect in a Single Device. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600282	6.4	47
145	Controllable synthesis of ferromagnetic-antiferromagnetic core-shell NWs with tunable magnetic properties. <i>Nanoscale</i> , <b>2017</b> , 9, 5694-5700	7.7	16
144	Spin-orbit torque in MgO/CoFeB/Ta/CoFeB/MgO symmetric structure with interlayer antiferromagnetic coupling. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	59
143	Magneto-Seebeck effect in magnetic tunnel junctions with perpendicular anisotropy. <i>AIP Advances</i> , <b>2017</b> , 7, 015035	1.5	4
142	Spatially Resolved Ferroelectric Domain-Switching-Controlled Magnetism in CoFeB/Pb(MgNb)TiO Multiferroic Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2642-2649	9.5	32
141	Room-Temperature Skyrmion Shift Device for Memory Application. <i>Nano Letters</i> , <b>2017</b> , 17, 261-268	11.5	160
140	Noise suppression and sensitivity manipulation of magnetic tunnel junction sensors with soft magnetic Co <sub>70.5</sub> Fe <sub>4.5</sub> Si <sub>15</sub> B <sub>10</sub> layer. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 113903	2.5	18
139	Tunneling anisotropic magnetoresistance driven by magnetic phase transition. <i>Nature Communications</i> , <b>2017</b> , 8, 449	17.4	31
138	Thickness dependence of anomalous Nernst coefficient and longitudinal spin Seebeck effect in ferromagnetic NiFe films. <i>Scientific Reports</i> , <b>2017</b> , 7, 6175	4.9	21
137	Large magnetic anisotropy and strain induced enhancement of magnetic anisotropy in monolayer TaTe. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 24341-24347	3.6	27
136	Tailoring perpendicular magnetic anisotropy with graphene oxide membranes. <i>RSC Advances</i> , <b>2017</b> , 7, 52938-52944	3.7	1
135	First-principles study of MnAl for its application in MgO-based perpendicular magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 252403	3.4	16
134	Strain induced enhancement of perpendicular magnetic anisotropy in Co/graphene and Co/BN heterostructures. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	58
133	Ferromagnetic Relaxation and Magnetic Properties of Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 469-473	1.5	1
132	Atomic scale structure and local chemistry of CoFeB-MgO perpendicular spin injector <b>2016</b> , 1060-1061		
131	Electrical control over perpendicular magnetization switching driven by spin-orbit torques. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	36
130	Scaling relation between anomalous Nernst and Hall effect in [Pt/Co] <sub>n</sub> multilayers. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	39
129	Observation of magnon-mediated electric current drag at room temperature. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	61



128	Diameter-dependent multiferroic functionality in hybrid core/shell NWs. <i>Nanoscale</i> , <b>2016</b> , 8, 14956-64	7.7	11
127	Electric-Field Control of Magnetism in Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> /(1-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> Multiferroic Heterostructures with Different Ferroelectric Phases. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3784-91	9.5	29
126	Magnetic response of hybrid ferromagnetic and antiferromagnetic core-shell nanostructures. <i>Nanoscale</i> , <b>2016</b> , 8, 6064-70	7.7	20
125	Ferroelastic switching in a layered-perovskite thin film. <i>Nature Communications</i> , <b>2016</b> , 7, 10636	17.4	67
124	Zero-field spin transfer oscillators based on magnetic tunnel junction having perpendicular polarizer and planar free layer. <i>AIP Advances</i> , <b>2016</b> , 6, 125305	1.5	6
123	Structural and Magnetic Response in Bimetallic Core/Shell Magnetic Nanoparticles. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	11
122	Enhanced tunneling electroresistance in multiferroic tunnel junctions due to the reversible modulation of orbitals overlap. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 192902	3.4	6
121	In-plane current-driven spin-orbit torque switching in perpendicularly magnetized films with enhanced thermal tolerance. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 212406	3.4	23
120	Curvature-enhanced Spin-orbit Coupling and Spinterface Effect in Fullerene-based Spin Valves. <i>Scientific Reports</i> , <b>2016</b> , 6, 19461	4.9	37
119	Field-free spin Hall effect driven magnetization switching in Pd/Co/IrMn exchange coupling system. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 132402	3.4	43
118	Electrical spin injection into GaAs based light emitting diodes using perpendicular magnetic tunnel junction-type spin injector. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 152404	3.4	25
117	Strong Electrical Manipulation of SpinOrbit Torque in Ferromagnetic Heterostructures. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600219	6.4	29
116	Influence of cobalt doping on structural and magnetic properties of BiFeO <sub>3</sub> nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	41
115	Manipulation of magnetization switching and tunnel magnetoresistance via temperature and voltage control. <i>Scientific Reports</i> , <b>2015</b> , 5, 18269	4.9	8
114	Observation of pure inverse spin Hall effect in ferromagnetic metals via ferromagnetic/antiferromagnetic exchange-bias structures. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	29
113	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
112	Spin gapless semiconductor like Ti <sub>2</sub> MnAl film as a new candidate for spintronics application. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2015</b> , 9, 641-645	2.5	54
111	Polarization-Mediated Thermal Stability of Metal/Oxide Heterointerface. <i>Advanced Materials</i> , <b>2015</b> , 27, 6934-8	24	17

110	Generating Large Magnetic Field in a High Resolution Electron Beam Lithography. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1049-1050	0.5	
109	Spin Hall Magnetoresistance in CoFe <sub>2</sub> O <sub>4</sub> /Pt Films. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	7
108	Perpendicular Exchange Bias of [Pt/Co] <sub>5</sub> /IrMn Multilayers on Self-Organized Hexagonally Patterned Nanodots. <i>IEEE Magnetics Letters</i> , <b>2015</b> , 6, 1-4	1.6	1
107	Enhanced exchange bias and improved ferromagnetic properties in Permalloy-BiFe <sub>0.95</sub> Co <sub>0.05</sub> O <sub>3</sub> core-shell nanostructures. <i>Scientific Reports</i> , <b>2015</b> , 5, 18203	4.9	26
106	Giant electrical modulation of magnetization in Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> (011) heterostructure. <i>Scientific Reports</i> , <b>2014</b> , 4, 3727	4.9	146
105	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
104	Magnetic Field Annealing Effects on Magnetic Properties of Electrodeposited Co/Cu Multilayered Nanowires. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
103	Post magnetic field annealing effect on magnetic and structural properties of Co <sub>80</sub> Pt <sub>20</sub> nanowires and nanotubes fabricated by electrochemical method. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A762	2.5	9
102	Exchange-biased hybrid ferromagnetic-multiferroic core-shell nanostructures. <i>Nanoscale</i> , <b>2014</b> , 6, 7215-20	2.7	24
101	Quantum tunneling of magnetization in a metal-organic framework. <i>Physical Review Letters</i> , <b>2014</b> , 112, 017202	7.4	57
100	Tunneling magnetoresistance in Fe <sub>3</sub> Si/MgO/Fe <sub>3</sub> Si(001) magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 172406	3.4	20
99	Low frequency noise peak near magnon emission energy in magnetic tunnel junctions. <i>AIP Advances</i> , <b>2014</b> , 4, 127102	1.5	1
98	Controlling spin-dependent tunneling by bandgap tuning in epitaxial rocksalt MgZnO films. <i>Scientific Reports</i> , <b>2014</b> , 4, 7277	4.9	22
97	Perpendicular magnetic anisotropy in Ta Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub>  MgAl <sub>2</sub> O <sub>4</sub> structures and perpendicular CoFeB MgAl <sub>2</sub> O <sub>4</sub>  CoFeB magnetic tunnel junction. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 102407	3.4	16
96	Preparation of a heteroepitaxial La <sub>x</sub> Sr <sub>y</sub> Mn <sub>z</sub> O <sub>3</sub> /BiFeO <sub>3</sub> bilayer by r.f. magnetron sputtering with various oxygen gas flow ratios. <i>AIP Advances</i> , <b>2014</b> , 4, 087133	1.5	1
95	High-frequency switching of magnetic bistability in an asymmetric double disk nanostructure. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 112405	3.4	6
94	ORGANIC SPINTRONICS: PAST, PRESENT AND FUTURE. <i>Spin</i> , <b>2014</b> , 04, 1440013	1.3	7
93	Spin dependent transport properties of Mn-Ga/MgO/Mn-Ga magnetic tunnel junctions with metal(Mg, Co, Cr) insertion layer. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 133902	2.5	6

92	Transport Properties in Sputtered CoFeB/MgAl <sub>2</sub> O <sub>4</sub> /CoFeB Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	8
91	Co/Pt Multilayers on Self-Organized Hexagonal Patterned Nanodots. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
90	Fabrication and magnetic properties of La-X (X = Co, Ni, and Fe) nanotube arrays prepared by electrodeposition methods. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 054303	2.5	7
89	MgO(001) barrier based magnetic tunnel junctions and their device applications. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 29-60	3.6	21
88	MgO-Based Double Barrier Magnetic Tunnel Junctions With Synthetic Antiferromagnetic Free Layer. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 5204-5207	2	3
87	Nanotube wall thickness dependent magnetization reversal properties of NiFe nanotubes. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 024315	2.5	8
86	Piezoelectric enhancement of giant magnetoresistance in spin-valves with different magnetic anisotropies. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 023911	2.5	13
85	Surface and internal magnetic domain structures of Fe-Ga alloy rods. <i>Science China Technological Sciences</i> , <b>2013</b> , 56, 36-39	3.5	2
84	Organic-ferromagnetic hetero-structures with spin transport properties and fundamental physical effects. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 151-165	3.6	1
83	Ferroelectric-domain-controlled magnetic anisotropy in Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> /YMnO <sub>3</sub> multiferroic heterostructure. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 102906	3.4	12
82	Magnetization reversal and enhanced tunnel magnetoresistance ratio in perpendicular magnetic tunnel junctions based on exchange spring electrodes. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 133906	2.5	7
81	Nonlinear temperature dependent nucleation field in perpendicular exchange spring typed magnetic tunnel junctions. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17C113	2.5	
80	Tunneling processes in asymmetric double barrier magnetic tunnel junctions with a thin top MgO layer. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 213909	2.5	5
79	Piezoelectric manipulation of Co/CoO exchange-bias bilayer system at low-temperature. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 104108	2.5	2
78	Micromagnetic Studies of Co/Pt Multilayers With Perpendicular Anisotropy. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3438-3441	2	5
77	Exchange-bias like hysteretic magnetoelectric-coupling of as-grown synthetic antiferromagnetic structures. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 082414	3.4	13
76	Magnetic anisotropy and magnetization reversal in Co/Cu multilayers nanowires. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07C119	2.5	12
75	Magnetic Properties and Magnetic Domain Structures Evolution Modulated by CoFeB Layer in [Pd/Co]/CoFeB/MgO/CoFeB/[Co/Pd] Perpendicular MTJ Films. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2812-2815	2	3

74	ELECTRIC-FIELD CONTROL OF GIANT MAGNETORESISTANCE IN SPIN-VALVES. <i>Spin</i> , <b>2012</b> , 02, 1250006	1.3	10
73	Chemical diffusion: Another factor affecting the magnetoresistance ratio in Ta/CoFeB/MgO/CoFeB/Ta magnetic tunnel junction. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 012406	3.4	32
72	Spinel oxides: $\pi$ spin-filter barrier for a class of magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 222401	3.4	49
71	Field sensing in MgO double barrier magnetic tunnel junctions with a superparamagnetic Co <sub>50</sub> Fe <sub>50</sub> free layer. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 113906	2.5	10
70	Junction resistance, tunnel magnetoresistance ratio, and spin-transfer torque in Zn-doped magnetic tunnel junctions. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	17
69	Annealing temperature dependence of exchange bias in BiFeO <sub>3</sub> /CoFe bilayers. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07D908	2.5	10
68	Spin-dependent tunneling spectroscopy in MgO-based double-barrier magnetic tunnel junctions. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07C712	2.5	4
67	Enhancement of magnetoresistance using CoFe/Ru/CoFe synthetic ferrimagnetic pinned layer in BiFeO <sub>3</sub> based spin-valves. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 072901	3.4	2
66	Local rotational symmetry effects on Fano resonances with constant non-resonant transmission channel. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 031114	3.4	1
65	Tuning asymmetry parameter of Fano resonance of spoof surface plasmons by modes coupling. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 131110	3.4	12
64	Manipulation of magnetization reversal of Ni <sub>81</sub> Fe <sub>19</sub> nanoellipse arrays by tuning the shape anisotropy and the magnetostatic interactions. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07B909	2.5	9
63	Enhanced tunnel magnetoresistance in fully epitaxial ZnO:Co-based magnetic tunnel junctions with Mg-doped ZnO barrier. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 132406	3.4	11
62	Electric-field control of CoFeB/IrMn exchange bias system. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 064120	2.5	14
61	Organic magnetic tunnel junctions: The role of metal-molecule interface. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	26
60	Bias voltage dependence of tunnel magnetoimpedance in AlO <sub>x</sub> -based magnetic tunnel junctions. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07C718	2.5	6
59	Temperature dependent magnetic properties of Co nanowires and nanotubes prepared by electrodeposition method. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A331	2.5	37
58	Synthesis and magnetic characterization of Co-NiO-Ni core-shell nanotube arrays. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 073912	2.5	29
57	The study of interaction between graphene and metals by Raman spectroscopy. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07C501	2.5	102

56	Tunnel Magnetoresistance Effect in $\text{CoFeB}/\text{MgAlO}_x/\text{CoFeB}$ Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 2716-2719	2	3
55	Nanoelliptic Ring-Shaped Magnetic Tunnel Junction and Its Application in MRAM Design With Spin-Polarized Current Switching. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 2957-2961	2	12
54	Magnetoelastic Anisotropy Induced Effects on Field and Temperature Dependent Magnetization Reversal of Ni Nanowires and Nanotubes. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2011</b> , 24, 785-792	1.5	24
53	Improved tunneling magnetoresistance in $(\text{Ga},\text{Mn})\text{As}/\text{AlO}_x/\text{CoFeB}$ magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 262501	3-4	11
52	Effect of external magnetic field on magnetic properties of CoPt nanotubes and nanowires. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E157	2.5	21
51	Evidence for magnon excitation contribution to the magnetoresistance behavior during thermal annealing in $\text{CoFeB}/\text{MgO}/\text{CoFeB}$ magnetic tunnel junctions. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	12
50	The perpendicular anisotropy of $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$ sandwiched between Ta and MgO layers and its application in $\text{CoFeB}/\text{MgO}/\text{CoFeB}$ tunnel junction. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 012502	3-4	84
49	Influence of intrinsic electronic properties on light transmission through subwavelength holes on gold and $\text{MgB}_2$ thin films. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	2
48	$1/f$ noise in MgO double-barrier magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 112504	3-4	24
47	Giant Coulomb blockade magnetoresistance in magnetic tunnel junctions with a granular layer. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	17
46	Superparamagnetism in MgO-based magnetic tunnel junctions with a thin pinned ferromagnetic electrode. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	12
45	Large extraordinary Hall effect in $[\text{Pt}/\text{Co}]_5/\text{Ru}/[\text{Co}/\text{Pt}]_5$ multilayers. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	21
44	Spin-dependent tunneling spectroscopy for interface characterization of epitaxial $\text{Fe}/\text{MgO}/\text{Fe}$ magnetic tunnel junctions. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	32
43	Effect of annealing on the magnetic tunnel junction with Co/Pt perpendicular anisotropy ferromagnetic multilayers. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09C711	2.5	17
42	Thickness dependence of magnetic and transport properties in organic-CoFe discontinuous multilayers. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09E307	2.5	3
41	First-principles study of $\text{Fe}/\text{MgO}$ based magnetic tunnel junctions with Mg interlayers. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	27
40	Inverse and oscillatory magnetoresistance in $\text{Fe}(001)/\text{MgO}/\text{Cr}/\text{Fe}$ magnetic tunnel junctions. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	12
39	Magnetic Properties of Exchange-Biased $[\text{Co}/\text{Pt}]_n$ Multilayer With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 1401-1404	2	13

38	Temperature and Bias-Assisted Transport Properties of LSMO/AlO/CoFeB Magnetic Tunnel Junction. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2383-2386	2	3
37	Magnetic tunnel junction sensor with Co/Pt perpendicular anisotropy ferromagnetic layer. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 172902	3-4	41
36	Magnetoresistance effect in antiferromagnet/nonmagnet/antiferromagnet multilayers. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 152512	3-4	18
35	Tunneling magnetoresistance in (Ga,Mn)As/AlO/CoFeB hybrid structures. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07C707	2-5	5
34	Temperature dependence of resistance in epitaxial Fe/MgO/Fe magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 052506	3-4	29
33	Nanoring magnetic tunnel junction and its application in magnetic random access memory demo devices with spin-polarized current switching (invited). <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07E933	2-5	60
32	Magnetic switching of ferromagnetic nanotubes. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 032505	3-4	52
31	Magnetic proximity effect at the molecular scale: First-principles calculations. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	27
30	Temperature dependence of giant tunnel magnetoresistance in epitaxial Fe/MgO/Fe magnetic tunnel junctions. <i>Physical Review B</i> , <b>2008</b> , 78,	3-3	51
29	Space-charge trap mediated conductance blockade in tunnel junctions with half-metallic electrodes. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 192507	3-4	6
28	Effects of current on nanoscale ring-shaped magnetic tunnel junctions. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	24
27	Effect of Co interlayers in Fe/MgO/Fe magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 172503	3-4	22
26	Current-induced multiple spin structures in 100 nm ring magnetic tunnel junctions. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	22
25	Current-induced magnetization switching in a microscale ring-shaped magnetic tunnel junction. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	15
24	Perpendicular anisotropy dependence of oscillatory interlayer coupling behavior in [Pt/Co]5/Ru/[Co/Pt]5 multilayers. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 023911	2-5	25
23	Room temperature ferromagnetism in Sn <sub>1-x</sub> V <sub>x</sub> O <sub>2</sub> films prepared by sol-gel method. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 123909	2-5	17
22	Fabrication and magnetic characterization of Co <sub>x</sub> Pt <sub>1-x</sub> nanowire arrays. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 92, 687-691	2-6	13
21	Oscillating Voltage Dependence of High-Frequency Impedance in Magnetic Tunneling Junctions. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 2812-2814	2	5

20	Temperature-dependent Mn-diffusion modes in CoFeB- and CoFe-based magnetic tunnel junctions: Electron-microscopy studies. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	23
19	80% tunneling magnetoresistance at room temperature for thin AlO <sub>2</sub> barrier magnetic tunnel junction with CoFeB as free and reference layers. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09B501	2.5	75
18	High inverted tunneling magnetoresistance in MgO-based magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 102505	3.4	10
17	Patterned nanoring magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 122511	3.4	56
16	Magnetic field dependence of voltage-current characteristics of Fe <sub>3</sub> O <sub>4</sub> thin films at room temperature. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 052506	3.4	3
15	First-principles theory of quantum well resonance in double barrier magnetic tunnel junctions. <i>Physical Review Letters</i> , <b>2006</b> , 97, 087210	7.4	33
14	Bias voltage and temperature dependence of magneto-electric properties in double-barrier magnetic tunnel junction with amorphous Co-Fe-B electrodes. <i>European Physical Journal B</i> , <b>2006</b> , 52, 205-208	1.2	2
13	Oscillatory tunnel magnetoresistance in double barrier magnetic tunnel junctions. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	26
12	Tunneling current-induced butterfly-shaped domains and magnetization switching in DBMTJs. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 2636-2638	2	5
11	Current-induced butterfly shaped domains and magnetization switching in magnetic tunnel junctions. <i>Science and Technology of Advanced Materials</i> , <b>2005</b> , 6, 784-788	7.1	7
10	Thermal stability of Ir-Mn/Co-Fe-B/Al-O/Co-Fe-B tunnel junctions. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 113710	2.5	13
9	Effect of current processing on the transport property of the La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> film. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 242507	3.4	17
8	Microfabrication of magnetic tunnel junctions using Al as bottom conduction electrode. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 2794-2796	2	2
7	Comparison of the crystallographic and magnetic properties between Tb <sub>2</sub> Fe <sub>16.46</sub> Cr <sub>1.23</sub> and Tb <sub>3</sub> (Fe,Cr) <sub>29</sub> single crystals. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 4195-4199	2.5	
6	Thermomagnetic Behavior and First Order Magnetization Processes of Sm <sub>3</sub> Fe <sub>29</sub> □Tx and Sm <sub>3</sub> Fe <sub>29</sub> □TxN <sub>4</sub> (T = V and Cr). <i>Physica Status Solidi A</i> , <b>1998</b> , 168, 487-493		
5	Magnetic Properties of R <sub>3</sub> Fe <sub>29</sub> -xTx and R <sub>3</sub> Fe <sub>29</sub> -xTxN <sub>4</sub> (R=Y, Ce, Nd, Sm, Gd, Tb, and Dy; T=V and Cr). <i>Journal of the Magnetics Society of Japan</i> , <b>1998</b> , 22, S1_351-353		
4	Formation and magnetic properties of novel compounds Tb <sub>3</sub> (Fe <sub>1</sub> □Vx) <sub>29</sub> . <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 3248-3252	2.5	12
3	Magnetohistory effects and spin reorientations of Nd <sub>3</sub> Fe <sub>29</sub> □Tx and Nd <sub>3</sub> Fe <sub>29</sub> □TxN <sub>4</sub> (T=V and Cr) compounds. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 5170-5172	2.5	6

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- 1 Magnetic two-dimensional van der Waals materials for spintronic devices. *Chinese Physics B*, 1.2 2