Jing-Sheng Chen

List of Publications by Year in Descending Order

349 papers	7,846 citations	47 h-index	70 g-index
381 ext. papers	9,260 ext. citations	5.5 avg, IF	6.14 L-index

#	Paper	IF	Citations
349	Alloy electrode engineering in memristors for emulating the biological synapse.. *Nanoscale*, **2022**,	7.7	4
348	Topological Hall transport: materials, mechanisms and potential applications. *Progress in Materials Science*, **2022**, 100971	42.2	2
347	Enhanced Tunneling Magnetoresistance Effect via Ferroelectric Control of Interface Electronic/Magnetic Reconstructions. *ACS Applied Materials & Interfaces*, **2021**, 13, 56638-56644	9.5	
346	Interface-engineered electron and hole tunneling. *Science Advances*, **2021**, 7,	14.3	3
345	Spin-Orbit Torque Switching of a High-Quality Perpendicularly Magnetized Ferrimagnetic Heusler MnGe Film. *ACS Applied Materials & Interfaces*, **2021**, 13, 18294-18300	9.5	5
344	An Overview of Ferroelectric Hafnia and Epitaxial Growth. *Physica Status Solidi - Rapid Research Letters*, **2021**, 15, 2100025	2.5	11
343	Field-free magnetization switching induced by the unconventional spin□rbit torque from WTe2. *APL Materials*, **2021**, 9, 051114	5.7	8
342	Spin Glass State in Chemical Vapor-Deposited Crystalline Cr2Se3 Nanosheets. *Chemistry of Materials*, **2021**, 33, 3851-3858	9.6	7
341	Oxygen vacancy-induced topological nanodomains in ultrathin ferroelectric films. *Npj Quantum Materials*, **2021**, 6,	5	8
340	Thermal Effect in Current-Induced Magnetization Switching and Out-of-Plane Effective Field Measurements. *ACS Applied Electronic Materials*, **2021**, 3, 2483-2489	4	3
339	Ferroelectric Self-Polarization Controlled Magnetic Stratification and Magnetic Coupling in Ultrathin LaSrMnO Films. *ACS Applied Materials & Interfaces*, **2021**, 13, 30137-30145	9.5	4
338	Prospect of Spintronics in Neuromorphic Computing. *Advanced Electronic Materials*, **2021**, 7, 2100465	6.4	10
337	Modulation of Spin-Orbit Torque from SrRuO by Epitaxial-Strain-Induced Octahedral Rotation. *Advanced Materials*, **2021**, 33, e2007114	24	7
336	Spin-Orbit Torque-Induced Domain Nucleation for Neuromorphic Computing. *Advanced Materials*, **2021**, 33, e2103672	24	10
335	MXene Ti3C2 memristor for neuromorphic behavior and decimal arithmetic operation applications. *Nano Energy*, **2021**, 79, 105453	17.1	22
334	Hf0.5Zr0.5O2-based ferroelectric memristor with multilevel storage potential and artificial synaptic plasticity. *Science China Materials*, **2021**, 64, 727-738	7.1	11
333	The Future of Memristors: Materials Engineering and Neural Networks. *Advanced Functional Materials*, **2021**, 31, 2006773	15.6	62

332	Correlated cation lattice symmetry and oxygen octahedral rotation in perovskite oxide heterostructures. *Journal of Applied Physics*, **2021**, 129, 025303	2.5	0
331	Giant spin torque efficiency in single-crystalline antiferromagnet Mn2Au films. *Science China Materials*, **2021**, 64, 2029-2036	7.1	2
330	Bipolar Conduction and Giant Positive Magnetoresistance in Doped Metallic Titanium Oxide Heterostructures. *Advanced Materials Interfaces*, **2021**, 8, 2002147	4.6	2
329	Electric Field Control of the Magnetic Weyl Fermion in an Epitaxial SrRuO (111) Thin Film. *Advanced Materials*, **2021**, 33, e2101316	24	4
328	Artificial Visual Perception Nervous System Based on Low-Dimensional Material Photoelectric Memristors. *ACS Nano*, **2021**,	16.7	24
327	Photo-enhanced Seebeck effect of a highly conductive thermoelectric material. *Journal of Materials Chemistry A*, **2021**, 9, 16725-16732	13	5
326	Symmetry-dependent field-free switching of perpendicular magnetization. *Nature Nanotechnology*, **2021**, 16, 277-282	28.7	32
325	An Electronic Synapse Based on 2D Ferroelectric CuInP2S6. *Advanced Electronic Materials*, **2020**, 6, 2000760	6.4	19
324	Magnetic asymmetry induced anomalous spin-orbit torque in IrMn. *Physical Review B*, **2020**, 101,	3.3	11
323	Electrical switching of perpendicular magnetization in a single ferromagnetic layer. *Physical Review B*, **2020**, 101,	3.3	36
322	Perpendicular Magnetic Anisotropy and Dzyaloshinskii-Moriya Interaction at an Oxide/Ferromagnetic Metal Interface. *Physical Review Letters*, **2020**, 124, 217202	7.4	11
321	A carbon-based memristor design for associative learning activities and neuromorphic computing. *Nanoscale*, **2020**, 12, 13531-13539	7.7	21
320	Memristors mimicking the regulation of synaptic plasticity and the refractory period in the phenomenological model. *Journal of Materials Chemistry C*, **2020**, 8, 5183-5190	7.1	2
319	Memristors based on multilayer graphene electrodes for implementing a low-power neuromorphic electronic synapse. *Journal of Materials Chemistry C*, **2020**, 8, 4926-4933	7.1	12
318	Room temperature ferromagnetism in D-D neutron irradiated rutile TiO single crystals.. *RSC Advances*, **2020**, 10, 18687-18693	3.7	3
317	Magnetoelectric Coupling Induced Orbital Reconstruction and Ferromagnetic Insulating State in PbZrTiO/LaSrMnO Heterostructures. *ACS Applied Materials & Interfaces*, **2020**, 12, 35588-35597	9.5	4
316	Overcoming the Limits of the Interfacial Dzyaloshinskii-Moriya Interaction by Antiferromagnetic Order in Multiferroic Heterostructures. *Advanced Materials*, **2020**, 32, e1904415	24	17
315	Unusual Hole and Electron Midgap States and Orbital Reconstructions Induced Huge Ferroelectric Tunneling Electroresistance in BaTiO/SrTiO. *Nano Letters*, **2020**, 20, 1101-1109	11.5	5

314	A Pure 2H-MoS2 Nanosheet-Based Memristor with Low Power Consumption and Linear Multilevel Storage for Artificial Synapse Emulator. *Advanced Electronic Materials*, **2020**, 6, 1901342	6.4	31
313	Continuously controllable photoconductance in freestanding BiFeO by the macroscopic flexoelectric effect. *Nature Communications*, **2020**, 11, 2571	17.4	37
312	Current status and prospects of memristors based on novel 2D materials. *Materials Horizons*, **2020**, 7, 1495-1518	14.4	59
311	Memristors Based on the Hybrid Structure of Oxide and Boron Nitride Nanosheets Combining Memristive and Neuromorphic Functionalities. *Physica Status Solidi - Rapid Research Letters*, **2020**, 14, 1900539	2.5	5
310	Structure, magnetic and thermal properties of FePt□BN granular films for heat assisted magnetic recording. *Journal Physics D: Applied Physics*, **2020**, 53, 135002	3	7
309	Enhanced Magnetic Anisotropy and Orbital Symmetry Breaking in Manganite Heterostructures. *Advanced Functional Materials*, **2020**, 30, 1909536	15.6	10
308	Designing carbon conductive filament memristor devices for memory and electronic synapse applications. *Materials Horizons*, **2020**, 7, 1106-1114	14.4	30
307	Ferroic tunnel junctions and their application in neuromorphic networks. *Applied Physics Reviews*, **2020**, 7, 011304	17.3	54
306	Investigation of Spin Transport Properties in Perpendicularly Magnetized MoS2/Pt/[Co/Ni]n Multilayers with Effective Spin Injection into Two-Dimensional MoS2. *Physical Review Applied*, **2020**, 14,	4.3	2
305	A Flexible Transient Biomemristor Based on Hybrid Structure HfO2/BSA:Au Double Layers. *Advanced Materials Technologies*, **2020**, 5, 2000191	6.8	9
304	Thickness and Ferroelectric Polarization Influence on Film Magnetic Anisotropy across a Multiferroic Material Interface. *ACS Applied Materials & Interfaces*, **2020**, 12, 44317-44324	9.5	0
303	Tuning Irreversible Magnetoresistance in PrSrMnO Film via Octahedral Rotation. *ACS Applied Materials & Interfaces*, **2020**, 12, 43222-43230	9.5	3
302	Role of Interfacial Orbital Hybridization in Spin-Orbit-Torque Generation in Pt-Based Heterostructures. *Physical Review Applied*, **2020**, 14,	4.3	4
301	Influence of BiFeO3 crystallographic phase on the enhanced interfacial magnetization in BiFeO3/La2/3Sr1/3MnO3 heterostructures. *Journal of Applied Physics*, **2020**, 127, 125302	2.5	1
300	Electronic correlation determining correlated plasmons in Sb-doped Bi2Se3. *Physical Review B*, **2019**, 100,	3.3	3
299	Current-induced magnetization switching in all-oxide heterostructures. *Nature Nanotechnology*, **2019**, 14, 939-944	28.7	64
298	Large spin-orbit torque efficiency enhanced by magnetic structure of collinear antiferromagnet IrMn. *Science Advances*, **2019**, 5, eaau6696	14.3	37
297	Topological Hall effect in ferrimagnetic CoTb single layer. *Journal of Magnetism and Magnetic Materials*, **2019**, 487, 165316	2.8	11

296	Vacancy-Induced Synaptic Behavior in 2D WS Nanosheet-Based Memristor for Low-Power Neuromorphic Computing. *Small*, **2019**, 15, e1901423	11	142
295	Flexible Transparent Organic Artificial Synapse Based on the Tungsten/Egg Albumen/Indium Tin Oxide/Polyethylene Terephthalate Memristor. *ACS Applied Materials & Interfaces*, **2019**, 11, 18654-18661	9.5	48
294	Strain Effect on Oxygen Evolution Reaction Activity of Epitaxial NdNiO Thin Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 12941-12947	9.5	36
293	Ag2S Quantum Dots as an Infrared Excited Photocatalyst for Hydrogen Production. *ACS Applied Energy Materials*, **2019**, 2, 2751-2759	6.1	30
292	Giant Enhancements of Perpendicular Magnetic Anisotropy and Spin-Orbit Torque by a MoS Layer. *Advanced Materials*, **2019**, 31, e1900776	24	40
291	Investigation of non-local screening in K-edge XANES for Pr0.67Sr0.33MnO3 under high pressure. *Journal of Alloys and Compounds*, **2019**, 792, 108-115	5.7	2
290	Atomic-Scale Control of Magnetism at the Titanite-Manganite Interfaces. *Nano Letters*, **2019**, 19, 3057-3065	11.5	10
289	Magnetoelectric effect of epitaxial Cr2O3 thin films with a conducting underlayer electrode. *Journal Physics D: Applied Physics*, **2019**, 52, 24LT03	3	3
288	Thickness dependence of anomalous Hall conductivity in L10-FePt thin film. *Journal Physics D: Applied Physics*, **2019**, 52, 43LT02	3	3
287	Formation of two-dimensional small polarons at the conducting LaAlO3/SrTiO3 interface. *Physical Review B*, **2019**, 100,	3.3	3
286	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. *Nature Communications*, **2019**, 10, 3149	17.4	20
285	Interface-based tuning of Rashba spin-orbit interaction in asymmetric oxide heterostructures with 3d electrons. *Nature Communications*, **2019**, 10, 3052	17.4	27
284	Free Field Electric Switching of Perpendicularly Magnetized Thin Film by Spin Current Gradient. *ACS Applied Materials & Interfaces*, **2019**, 11, 30446-30452	9.5	28
283	Large vertical hysteretic shift and signature of exchange bias in BiFeO3/SrRuO3 heterostructure. *Ceramics International*, **2019**, 45, 20465-20469	5.1	6
282	Artificial two-dimensional polar metal by charge transfer to a ferroelectric insulator. *Communications Physics*, **2019**, 2,	5.4	13
281	A Boolean OR gate implemented with an optoelectronic switching memristor. *Applied Physics Letters*, **2019**, 115, 153504	3.4	10
280	Thickness-dependent polarization-induced intrinsic magnetoelectric effects in La0.67Sr0.33MnO3/PbZr0.52Ti0.48O3 heterostructures. *Physical Review B*, **2019**, 100,	3.3	16
279	Spin-orbit torque in chemically disordered and L11-ordered Cu100−xPtx. *Physical Review Materials*, **2019**, 3,	3.2	11

278	Piezoelectric control of resistance switching in VO2/Pb(Zr0.52Ti0.48)O3 heterostructure. *Applied Physics Letters*, **2019**, 114, 061603	3.4	4
277	Self-Assembled Networked PbS Distribution Quantum Dots for Resistive Switching and Artificial Synapse Performance Boost of Memristors. *Advanced Materials*, **2019**, 31, e1805284	24	142
276	Emergence of Topological Hall Effect in a SrRuO Single Layer. *Advanced Materials*, **2019**, 31, e1807008	24	85
275	Room temperature ferroelectricity of hybrid organic□organic perovskites with mixed iodine and bromine. *Journal of Materials Chemistry A*, **2018**, 6, 9665-9676	13	21
274	Temperature controlled evolution of monoclinic to super-tetragonal phase of epitaxial BiFeO3 thin films on La0.67Sr0.33MnO3 buffered SrTiO3 substrate. *AIP Advances*, **2018**, 8, 035221	1.5	5
273	Ferromagnetic alloy material CoFeC with high thermal tolerance in MgO/CoFeC/Pt structure and comparable intrinsic damping factor with CoFeB. *Journal Physics D: Applied Physics*, **2018**, 51, 055006	3	4
272	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. *ACS Applied Materials & Interfaces*, **2018**, 10, 12862-12869	9.5	69
271	Lattice-Mismatch-Induced Oscillatory Feature Size and Its Impact on the Physical Limitation of Grain Size. *Physical Review Applied*, **2018**, 9,	4.3	8
270	Columnar structural FePt films with good perpendicular anisotropy induced by tuning the crystal structure of doping materials. *Journal of Alloys and Compounds*, **2018**, 730, 234-241	5.7	4
269	Flexible memristors as electronic synapses for neuro-inspired computation based on scotch tape-exfoliated mica substrates. *Nano Research*, **2018**, 11, 1183-1192	10	69
268	Large lattice mismatch effects on the epitaxial growth and magnetic properties of FePt films. *Journal of Magnetism and Magnetic Materials*, **2018**, 446, 125-134	2.8	11
267	Tuning Bifunctional Oxygen Electrocatalysts by Changing the A-Site Rare-Earth Element in Perovskite Nickelates. *Advanced Functional Materials*, **2018**, 28, 1803712	15.6	78
266	Graphene Oxide Quantum Dots Based Memristors with Progressive Conduction Tuning for Artificial Synaptic Learning. *Advanced Functional Materials*, **2018**, 28, 1803728	15.6	156
265	Interface Engineering and Emergent Phenomena in Oxide Heterostructures. *Advanced Materials*, **2018**, 30, e1802439	24	72
264	Tuning of current-induced effective magnetic field through Rashba effect engineering in hybrid multiferroic structures. *NPG Asia Materials*, **2018**, 10, 740-748	10.3	7
263	Direct observation of room-temperature out-of-plane ferroelectricity and tunneling electroresistance at the two-dimensional limit. *Nature Communications*, **2018**, 9, 3319	17.4	50
262	Observation of superconductivity in structure-selected Ti2O3 thin films. *NPG Asia Materials*, **2018**, 10, 522-532	10.3	20
261	From Titanium Sesquioxide to Titanium Dioxide: Oxidation-Induced Structural, Phase, and Property Evolution. *Chemistry of Materials*, **2018**, 30, 4383-4392	9.6	20

260	Interfacial antiferromagnetic coupling between SrRuO3 and La0.7Sr0.3MnO3 with orthogonal easy axis. *Physical Review Materials*, **2018**, 2,	3.2	3
259	Memristor with Ag-Cluster-Doped TiO2 Films as Artificial Synapse for Neuroinspired Computing. *Advanced Functional Materials*, **2018**, 28, 1705320	15.6	221
258	Orthorhombic Ti2O3: A Polymorph-Dependent Narrow-Bandgap Ferromagnetic Oxide. *Advanced Functional Materials*, **2018**, 28, 1705657	15.6	21
257	Characteristic investigation of a flexible resistive memory based on a tunneling junction of Pd/BTO/LSMO on mica substrate. *Applied Physics Letters*, **2018**, 113, 223501	3.4	11
256	Control of magnetic anisotropy by orbital hybridization with charge transfer in (La0.67Sr0.33MnO3)n/(SrTiO3)n superlattice. *NPG Asia Materials*, **2018**, 10, 931-942	10.3	7
255	Epitaxial Ferroelectric Hf0.5Zr0.5O2 Thin Films and Their Implementations in Memristors for Brain-Inspired Computing. *Advanced Functional Materials*, **2018**, 28, 1806037	15.6	98
254	Molecular-Beam Epitaxy of Two-Dimensional InSe and Its Giant Electroresistance Switching in Ferroresistive Memory Junction. *Nano Letters*, **2018**, 18, 6340-6346	11.5	100
253	Binary Controls on Interfacial Magnetism in Manganite Heterostructures. *Advanced Functional Materials*, **2018**, 28, 1801766	15.6	13
252	Effect of Extrinsically Introduced Passive Interface Layer on the Performance of Ferroelectric Tunnel Junctions. *ACS Applied Materials & Interfaces*, **2017**, 9, 5050-5055	9.5	12
251	Multi-Nonvolatile State Resistive Switching Arising from Ferroelectricity and Oxygen Vacancy Migration. *Advanced Materials*, **2017**, 29, 1606165	24	64
250	Ultra-low magnetic damping of perovskite La0.7Sr0.3MnO3 thin films. *Applied Physics Letters*, **2017**, 110, 112401	3.4	27
249	Magnetization reversal and magnetoresistance behavior of exchange coupled SrRuO3 bilayer. *Journal Physics D: Applied Physics*, **2017**, 50, 215002	3	11
248	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/FeO Nanocomposite Films with High Transparency and High Mechanical Flexibility. *ACS Applied Materials & Interfaces*, **2017**, 9, 19001-19010	9.5	38
247	Effects of field annealing on Gilbert damping of polycrystalline CoFe thin films. *Journal of Magnetism and Magnetic Materials*, **2017**, 441, 264-270	2.8	8
246	Highly improved performance in Zr0.5Hf0.5O2 films inserted with graphene oxide quantum dots layer for resistive switching non-volatile memory. *Journal of Materials Chemistry C*, **2017**, 5, 11046-11052	7.1	48
245	Spin Transport and Magnetism in Low-Dimensional Materials. *Advances in Condensed Matter Physics*, **2017**, 2017, 1-2	1	
244	Control of perpendicular magnetic anisotropy and spin pumping damping in MgO/CoFeB/ Ta/Pt structures. *Journal Physics D: Applied Physics*, **2017**, 50, 355001	3	4
243	Static and dynamic magnetic properties of FeMn/Pt multilayers. *Journal of Applied Physics*, **2017**, 121, 223901	2.5	4

242	Achieving giant tunneling electroresistance and magnetoresistance by BaTiO3/SrTiO3 barrier and Heusler alloy electrode. *Physical Review Materials*, **2017**, 1,	3.2	3
241	Flexible Piezoelectric Nanocomposite Generators Based on Formamidinium Lead Halide Perovskite Nanoparticles. *Advanced Functional Materials*, **2016**, 26, 7708-7716	15.6	112
240	Giant tunneling electroresistance induced by ferroelectrically switchable two-dimensional electron gas at nonpolar BaTiO3/SrTiO3 interface. *Physical Review B*, **2016**, 94,	3.3	11
239	Columnar structured FePt films epitaxially grown on large lattice mismatched intermediate layer. *Scientific Reports*, **2016**, 6, 34637	4.9	6
238	Tailoring Self-Polarization of BaTiO3 Thin Films by Interface Engineering and Flexoelectric Effect. *Advanced Materials Interfaces*, **2016**, 3, 1600737	4.6	26
237	Interfacial Coupling-Induced Ferromagnetic Insulator Phase in Manganite Film. *Nano Letters*, **2016**, 16, 4174-80	11.5	20
236	Oersted Field and Spin Current Effects on Magnetic Domains in [Co/Pd]15 Nanowires. *IEEE Transactions on Magnetics*, **2016**, 52, 1-6	2	3
235	Ferroelectric HfO2-based materials for next-generation ferroelectric memories. *Journal of Advanced Dielectrics*, **2016**, 06, 1630003	1.3	108
234	Effects of strain relaxation in Pr0.67Sr0.33MnO3 films probed by polarization dependent X-ray absorption near edge structure. *Scientific Reports*, **2016**, 6, 19886	4.9	10
233	Ferroelectricity and ferroelectric resistive switching in sputtered Hf0.5Zr0.5O2 thin films. *Applied Physics Letters*, **2016**, 108, 232905	3.4	45
232	Ferroelectricity emerging in strained (111)-textured ZrO2 thin films. *Applied Physics Letters*, **2016**, 108, 012906	3.4	34
231	Controlling Kondo-like Scattering at the SrTiO3-based Interfaces. *Scientific Reports*, **2016**, 6, 25455	4.9	33
230	Tunneling electroresistance effect in ultrathin BiFeO3-based ferroelectric tunneling junctions. *Applied Physics Letters*, **2016**, 109, 242901	3.4	7
229	Effect of TiON/MgO intermediate layer on microstructure and magnetic properties of L10 FePt/SiO2 films. *Journal of Magnetism and Magnetic Materials*, **2016**, 417, 203-207	2.8	14
228	Domain configurations in Co/Pd and L10-FePt nanowire arrays with perpendicular magnetic anisotropy. *Nanoscale*, **2016**, 8, 5358-67	7.7	7
227	Electric-field-induced strain effects on the magnetization of a Pr0.67Sr0.33MnO3 film. *Physical Review B*, **2015**, 91,	3.3	5
226	Ultrathin BaTiO3-based ferroelectric tunnel junctions through interface engineering. *Nano Letters*, **2015**, 15, 2568-73	11.5	67
225	Crystalline ZrO2 doping induced columnar structural FePt films with larger coercivity and high aspect ratio. *Journal of Applied Physics*, **2015**, 117, 17D116	2.5	11

224	Study of perpendicular anisotropy L10-FePt pseudo spin valves using a micromagnetic trilayer model. *Journal of Applied Physics*, **2015**, 117, 213901	2.5	7
223	Gate Tunable In- and Out-of-Plane Spin□Orbit Coupling and Spin-Splitting Anisotropy at LaAlO3/SrTiO3 (110) Interface. *Advanced Electronic Materials*, **2015**, 1, 1500114	6.4	24
222	Functional ferroelectric tunnel junctions on silicon. *Scientific Reports*, **2015**, 5, 12576	4.9	47
221	Strain Engineering of Octahedral Rotations and Physical Properties of SrRuO3 Films. *Scientific Reports*, **2015**, 5, 10245	4.9	39
220	A Facile Chemical Solution-Based Method for Epitaxial Growth of Thick Ferrite Films. *Advanced Electronic Materials*, **2015**, 1, 1500102	6.4	2
219	Large enhancement of magnetic moment inL10ordered FePt thin films by Nd substitutional doping. *Journal Physics D: Applied Physics*, **2015**, 48, 255001	3	7
218	Effect of Nb and Ta substitution on donor electron transport and ultrafast carrier dynamics in anatase TiO2 thin films. *Journal of Materials Chemistry C*, **2015**, 3, 6329-6333	7.1	6
217	Nanogranular TiN-ZrO□intermediate layer induced improvement of isolation and grain size of FePt thin films. *Scientific Reports*, **2014**, 4, 5607	4.9	13
216	Microstructures and Magnetic Properties of FePt Thin Films on TiON Intermediate Layer. *IEEE Transactions on Magnetics*, **2014**, 50, 89-95	2	6
215	L10 FePt-ZrO2 (001) nanostructured films with high aspect ratio columnar grains. *Applied Physics Letters*, **2014**, 104, 192404	3.4	13
214	Bandgap Control of the Oxygen-Vacancy-Induced Two-Dimensional Electron Gas in SrTiO3. *Advanced Materials Interfaces*, **2014**, 1, 1400155	4.6	25
213	Spatiotemporally separating electron and phonon thermal transport in L10 FePt films for heat assisted magnetic recording. *Journal of Applied Physics*, **2014**, 115, 243907	2.5	4
212	Magnetic properties ofL10-FePt/Fe exchange-coupled composite nanodots. *Journal Physics D: Applied Physics*, **2014**, 47, 245001	3	5
211	Oxygen vacancy-induced room-temperature ferromagnetism in D□ neutron irradiated single-crystal TiO 2 (001) rutile. *Chinese Physics B*, **2014**, 23, 106101	1.2	4
210	Note: application of a pixel-array area detector to simultaneous single crystal X-ray diffraction and X-ray absorption spectroscopy measurements. *Review of Scientific Instruments*, **2014**, 85, 046109	1.7	1
209	Temperature dependent electronic structure of Pr0.67Sr0.33MnO3 film probed by X-ray absorption near edge structure. *Journal of Applied Physics*, **2014**, 115, 17E116	2.5	5
208	Ultra-thin L10-FePt for perpendicular anisotropy L10-FePt/Ag/[Co/Pd]30 pseudo spin valves. *Journal of Applied Physics*, **2014**, 115, 17C102	2.5	3
207	Strain modulated anisotropic electronic charge transfer in perovskite Pr0.67Sr0.33MnO3 thin films. *Physical Review B*, **2014**, 89,	3.3	16

206	Tuning the Curie temperature of L10 ordered FePt thin films through site-specific substitution of Rh. *Journal of Applied Physics*, **2014**, 116, 143902	2.5	6
205	Hydrothermal epitaxial multiferroic BiFeO3 thick film by addition of the PVA. *Journal of Alloys and Compounds*, **2013**, 577, 44-48	5.7	21
204	Investigation of composition-induced strain effect in FexPt1□ films grown on different substrates. *Journal of Magnetism and Magnetic Materials*, **2013**, 347, 165-170	2.8	4
203	Investigation of Heat-Assisted Magnetic Recording Media Films in Four Dimensions. *IEEE Transactions on Magnetics*, **2013**, 49, 2510-2513	2	3
202	Grain Isolation Control of FePt Thin Film by Using Ag Nucleation Layer. *IEEE Transactions on Magnetics*, **2013**, 49, 2594-2597	2	1
201	Control of the Microstructure of FePt-SiN$_{rm x}$ -C (001) Film by a Nucleation Layer Grown on TiN Intermediate Layer. *IEEE Transactions on Magnetics*, **2013**, 49, 3299-3302	2	2
200	Lattice relaxation and its impact on magnetic properties of FePt thin film. *Journal Physics D: Applied Physics*, **2013**, 46, 015002	3	2
199	Control of oxygen octahedral rotations and physical properties in SrRuO3 films. *Physical Review B*, **2013**, 88,	3.3	62
198	Control of Microstructure and Magnetic Properties of FePt Films With TiN Intermediate Layer. *IEEE Transactions on Magnetics*, **2013**, 49, 668-674	2	17
197	The magnetic properties and microscopic structural of a ferromagnetic semiconductor: Rutile TIO2 single crystals implanted with cobalt ions. *Surface and Coatings Technology*, **2013**, 229, 109-111	4.4	5
196	Origin of the Two-Dimensional Electron Gas at LaAlO3/SrTiO3 Interfaces: The Role of Oxygen Vacancies and Electronic Reconstruction. *Physical Review X*, **2013**, 3,	9.1	122
195	First principles study of magnetic anisotropy and magnetoelectric effect of FePd/MgO(001) ultrathin films. *Journal of Applied Physics*, **2013**, 113, 17C702	2.5	7
194	Effect of oxygen vacancies on the electronic structure and transport properties of SrRuO3 thin films. *Journal of Applied Physics*, **2013**, 113, 17E125	2.5	19
193	Highly (001)-Textured L10FePt□SiO2□ Films with Well-Isolated Small Grains Using TiON Intermediate Layer. *Applied Physics Express*, **2013**, 6, 075502	2.4	7
192	A simple approach to sub-100 nm resist nanopatterns with a high aspect ratio. *Journal of Micromechanics and Microengineering*, **2013**, 23, 035038	2	5
191	Lattice mismatch-induced evolution of microstructural properties in FePt films. *Journal of Applied Physics*, **2013**, 113, 233904	2.5	28
190	Annealing effect on the FePt/Fe exchange-coupled granular bilayer. *Journal of Applied Physics*, **2013**, 114, 173903	2.5	7
189	The role of octahedral tilting in the structural phase transition and magnetic anisotropy in SrRuO3 thin film. *Journal of Applied Physics*, **2013**, 113, 063901	2.5	30

188	Critical Fe thickness for effective coercivity reduction in FePt/Fe exchange-coupled bilayer. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 1242-1247	2.8	43
187	Nanocomposite L10 FePt–SiNx and FePt–SiNx–C films with large coercivity and small grain size on a TiN intermediate layer. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 2637-2644	2.8	12
186	0.7BiFeO3-0.3BaTiO3-Y3Fe5O12 composites with simultaneously improved electrical and magnetic properties. *Journal of Applied Physics*, **2012**, 111, 024104	2.5	22
185	Synthesis of BiFeO3 nanoparticles with small size. *Journal of Sol-Gel Science and Technology*, **2012**, 64, 104-109	2.3	5
184	Well-isolated L10 FePt–SiNx–C nanocomposite films with large coercivity and small grain size. *Journal of Applied Physics*, **2012**, 111, 07A308	2.5	24
183	Magnetization reversal and magnetoresistance behavior of perpendicularly magnetized [Co/Pd]4/Au/[Co/Pd]2 nanowires. *Journal of Applied Physics*, **2012**, 112, 073902	2.5	13
182	Effects of rapid thermal annealing on structural, magnetic and optical properties of Ni-doped ZnO thin films. *Current Applied Physics*, **2012**, 12, 834-840	2.6	32
181	Effects of spacer thickness on perpendicular anisotropy L10-FePt/TiN/L10-FePt pseudo spin valves. *Journal of Applied Physics*, **2012**, 111, 083909	2.5	5
180	Investigation of spin and orbital moments of L10 FePtRh thin films. *Journal of Applied Physics*, **2012**, 111, 07C120	2.5	2
179	The thickness, electric field, and strain effects on the magnetic anisotropy of FeCo/MgO(001) thin films: A first principles study. *Journal of Applied Physics*, **2012**, 111, 07C109	2.5	23
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