

Feng Pan

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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.

385
papers

12,132
citations

58
h-index

96
g-index

402
ext. papers

13,760
ext. citations

5.4
avg, IF

6.49
L-index

#	Paper	IF	Citations
385	Recent progress in resistive random access memories: Materials, switching mechanisms, and performance. <i>Materials Science and Engineering Reports</i> , 2014 , 83, 1-59	30.9	950
384	Fully room-temperature-fabricated nonvolatile resistive memory for ultrafast and high-density memory application. <i>Nano Letters</i> , 2009 , 9, 1636-43	11.5	718
383	Ferromagnetism and possible application in spintronics of transition-metal-doped ZnO films. <i>Materials Science and Engineering Reports</i> , 2008 , 62, 1-35	30.9	570
382	Recent progress in voltage control of magnetism: Materials, mechanisms, and performance. <i>Progress in Materials Science</i> , 2017 , 87, 33-82	42.2	280
381	Resistive switching and magnetic modulation in cobalt-doped ZnO. <i>Advanced Materials</i> , 2012 , 24, 3515-204	23.4	234
380	Giant magnetic moment in an anomalous ferromagnetic insulator: Co-doped ZnO. <i>Physical Review B</i> , 2006 , 73,	3.3	216
379	Synaptic plasticity and learning behaviours mimicked through Ag interface movement in an Ag/conducting polymer/Ta memristive system. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5292	7.1	185
378	Dynamic Processes of Resistive Switching in Metallic Filament-Based Organic Memory Devices. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17955-17959	3.8	175
377	Nonvolatile resistive switching memories-characteristics, mechanisms and challenges. <i>Progress in Natural Science: Materials International</i> , 2010 , 20, 1-15	3.6	151
376	Antidamping-Torque-Induced Switching in Biaxial Antiferromagnetic Insulators. <i>Physical Review Letters</i> , 2018 , 120, 207204	7.4	150
375	Giant piezoelectric d33 coefficient in ferroelectric vanadium doped ZnO films. <i>Applied Physics Letters</i> , 2008 , 92, 012907	3.4	147
374	Photoluminescence and Raman scattering of Cu-doped ZnO films prepared by magnetron sputtering. <i>Applied Surface Science</i> , 2007 , 253, 6905-6909	6.7	145
373	High-energy density nonaqueous all redox flow lithium battery enabled with a polymeric membrane. <i>Science Advances</i> , 2015 , 1, e1500886	14.3	144
372	Room-temperature perpendicular exchange coupling and tunneling anisotropic magnetoresistance in an antiferromagnet-based tunnel junction. <i>Physical Review Letters</i> , 2012 , 109, 137201	7.4	139
371	Bipolar resistive switching in Cu/AlN/Pt nonvolatile memory device. <i>Applied Physics Letters</i> , 2010 , 97, 083502	3.4	117
370	Redox Species of Redox Flow Batteries: A Review. <i>Molecules</i> , 2015 , 20, 20499-517	4.8	114
369	Nonvolatile resistive switching in single crystalline ZnO nanowires. <i>Nanoscale</i> , 2011 , 3, 1917-21	7.7	111

368	Luminescence and Raman scattering properties of Ag-doped ZnO films. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 4992-4996	3	97
367	Bipolar resistive switching with self-rectifying effects in Al/ZnO/Si structure. <i>Journal of Applied Physics</i> , 2012 , 111, 013702	2.5	93
366	Correlation of oxygen vacancy variations to band gap changes in epitaxial ZnO thin films. <i>Applied Physics Letters</i> , 2013 , 102, 181908	3.4	91
365	Adaptive Crystallite Kinetics in Homogenous Bilayer Oxide Memristor for Emulating Diverse Synaptic Plasticity. <i>Advanced Functional Materials</i> , 2018 , 28, 1706927	15.6	90
364	Forming-free and self-rectifying resistive switching of the simple Pt/TaOx/n-Si structure for access device-free high-density memory application. <i>Nanoscale</i> , 2015 , 7, 6031-8	7.7	88
363	The influence of different doping elements on microstructure, piezoelectric coefficient and resistivity of sputtered ZnO film. <i>Applied Surface Science</i> , 2006 , 253, 1639-1643	6.7	88
362	Resistive switching induced by metallic filaments formation through poly(3,4-ethylene-dioxythiophene):poly(styrenesulfonate). <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 447-53	9.5	87
361	Oxygen migration induced resistive switching effect and its thermal stability in W/TaOx/Pt structure. <i>Applied Physics Letters</i> , 2012 , 100, 253509	3.4	87
360	Guiding the Growth of a Conductive Filament by Nanoindentation To Improve Resistive Switching. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34064-34070	9.5	85
359	Resistance switching characteristics of solid electrolyte chalcogenide Ag(2)Se nanoparticles for flexible nonvolatile memory applications. <i>Advanced Materials</i> , 2012 , 24, 3573-6	24	85
358	Electrical Manipulation of Orbital Occupancy and Magnetic Anisotropy in Manganites. <i>Advanced Functional Materials</i> , 2015 , 25, 864-870	15.6	84
357	Evaluating modulus and hardness enhancement in evaporated Cu/W multilayers. <i>Acta Materialia</i> , 2007 , 55, 345-351	8.4	84
356	Electrical control of the exchange spring in antiferromagnetic metals. <i>Advanced Materials</i> , 2015 , 27, 3196-201	6.7	80
355	Electric field control of Néel spin-orbit torque in an antiferromagnet. <i>Nature Materials</i> , 2019 , 18, 931-935	27	76
354	Enhanced electromechanical response of Fe-doped ZnO films by modulating the chemical state and ionic size of the Fe dopant. <i>Physical Review B</i> , 2010 , 82,	3.3	76
353	A new type of glucose biosensor based on surface acoustic wave resonator using Mn-doped ZnO multilayer structure. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 512-8	11.8	75
352	V5+ ionic displacement induced ferroelectric behavior in V-doped ZnO films. <i>Applied Physics Letters</i> , 2007 , 90, 242903	3.4	75
351	Formation process of conducting filament in planar organic resistive memory. <i>Applied Physics Letters</i> , 2013 , 102, 141606	3.4	74

350	Strain engineering induced interfacial self-assembly and intrinsic exchange bias in a manganite perovskite film. <i>Scientific Reports</i> , 2013 , 3, 2542	4.9	72
349	Conductance quantization in a Ag filament-based polymer resistive memory. <i>Nanotechnology</i> , 2013 , 24, 335201	3.4	71
348	Resistive switching and conductance quantization in Ag/SiO ₂ /indium tin oxide resistive memories. <i>Applied Physics Letters</i> , 2014 , 105, 063504	3.4	71
347	Cr-substitution-induced ferroelectric and improved piezoelectric properties of Zn _{1-x} Cr _x O films. <i>Journal of Applied Physics</i> , 2008 , 103, 074107	2.5	71
346	Deposition of high-quality zinc oxide thin films on diamond substrates for high-frequency surface acoustic wave filter applications. <i>Thin Solid Films</i> , 2005 , 485, 257-261	2.2	70
345	Competition between Metallic and Vacancy Defect Conductive Filaments in a CH ₃ NH ₃ PbI ₃ -Based Memory Device. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6431-6436	3.8	69
344	Magnetoelectric Coupling Induced by Interfacial Orbital Reconstruction. <i>Advanced Materials</i> , 2015 , 27, 6651-6	24	69
343	Lateral 2D WSe p-n Homojunction Formed by Efficient Charge-Carrier-Type Modulation for High-Performance Optoelectronics. <i>Advanced Materials</i> , 2020 , 32, e1906499	24	68
342	Redox Targeting of Anatase TiO ₂ for Redox Flow Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1400567	21.8	68
341	Implementation of Complete Boolean Logic Functions in Single Complementary Resistive Switch. <i>Scientific Reports</i> , 2015 , 5, 15467	4.9	68
340	Magnetoresistance transformation observed in Fe/Mo multilayers prepared by electron beam evaporation. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 1-4	3	68
339	Effect of sputtering oxygen partial pressures on structure and physical properties of high resistivity ZnO films. <i>Applied Surface Science</i> , 2004 , 223, 318-329	6.7	68
338	Bipolar resistance switching in high-performance Cu/ZnO:Mn/Pt nonvolatile memories: active region and influence of Joule heating. <i>New Journal of Physics</i> , 2010 , 12, 023008	2.9	67
337	Resistive switching mechanisms relating to oxygen vacancies migration in both interfaces in Ti/HfO _x /Pt memory devices. <i>Journal of Applied Physics</i> , 2013 , 113, 064510	2.5	66
336	Switching mechanism transition induced by annealing treatment in nonvolatile Cu/ZnO/Cu/ZnO/Pt resistive memory: From carrier trapping/detrapping to electrochemical metallization. <i>Journal of Applied Physics</i> , 2009 , 106, 123705	2.5	64
335	Local Fe structure and ferromagnetism in Fe-doped ZnO films. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 7471-7479	1.8	64
334	Reversible Ferromagnetic Phase Transition in Electrode-Gated Manganites. <i>Advanced Functional Materials</i> , 2014 , 24, 7233-7240	15.6	63
333	A class of liquid anode for rechargeable batteries with ultralong cycle life. <i>Nature Communications</i> , 2017 , 8, 14629	17.4	61

332	Programmable complementary resistive switching behaviours of a plasma-oxidised titanium oxide nanolayer. <i>Nanoscale</i> , 2013 , 5, 422-8	7.7	60
331	Influence of sputtering parameters on structures and residual stress of AlN films deposited by DC reactive magnetron sputtering at room temperature. <i>Journal of Crystal Growth</i> , 2013 , 363, 80-85	1.6	60
330	Migration of interfacial oxygen ions modulated resistive switching in oxide-based memory devices. <i>Journal of Applied Physics</i> , 2013 , 114, 014502	2.5	60
329	Spin-orbit torque in MgO/CoFeB/Ta/CoFeB/MgO symmetric structure with interlayer antiferromagnetic coupling. <i>Physical Review B</i> , 2017 , 95,	3.3	59
328	Evidence of structural defect enhanced room-temperature ferromagnetism in Co-doped ZnO. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 176229	1.8	59
327	Conductance quantization in oxygen-anion-migration-based resistive switching memory devices. <i>Applied Physics Letters</i> , 2013 , 103, 043510	3.4	58
326	Microstructure and nanoindentation hardness of Ti/TiN multilayered films. <i>Surface and Coatings Technology</i> , 2001 , 137, 225-229	4.4	58
325	Room temperature multiferroic behavior of Cr-doped ZnO films. <i>Journal of Applied Physics</i> , 2008 , 104, 064102	2.5	57
324	Antiferromagnet-controlled spin current transport in SrMnO ₃ /Pt hybrids. <i>Physical Review B</i> , 2014 , 90,	3.3	56
323	Improving Unipolar Resistive Switching Uniformity with Cone-Shaped Conducting Filaments and Its Logic-In-Memory Application. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6453-6462	9.5	52
322	The magnetic properties of Co-doped ZnO diluted magnetic insulator films prepared by direct current reactive magnetron co-sputtering. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 309, 25-30	3.8	52
321	Spin-orbit torques: Materials, mechanisms, performances, and potential applications. <i>Progress in Materials Science</i> , 2021 , 118, 100761	42.2	52
320	Influence of annealing on microstructure and magnetic properties of co-sputtered Co-doped ZnO thin films. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1608-1613	3	50
319	Microstructure and properties of Cu-doped ZnO films prepared by dc reactive magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 4104-4108	3	49
318	Spin-orbit torque in a completely compensated synthetic antiferromagnet. <i>Physical Review B</i> , 2018 , 97,	3.3	48
317	A Detailed Study of the Forming Stage of an Electrochemical Resistive Switching Memory by KMC Simulation. <i>IEEE Electron Device Letters</i> , 2011 , 32, 949-951	4.4	48
316	Strong Orientation-Dependent Spin-Orbit Torque in Thin Films of the Antiferromagnet Mn ₂ Au. <i>Physical Review Applied</i> , 2018 , 9,	4.3	48
315	Effect of electrode materials on AlN-based bipolar and complementary resistive switching. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1793-9	9.5	47

314	Tuning the switching behavior of binary oxide-based resistive memory devices by inserting an ultra-thin chemically active metal nanolayer: a case study on the Ta ₂ O ₅ -Ta system. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12849-56	3.6	46
313	Learning processes modulated by the interface effects in a Ti/conducting polymer/Ti resistive switching cell. <i>RSC Advances</i> , 2014 , 4, 14822	3.7	45
312	Reproducible and controllable organic resistive memory based on Al/poly(3,4-ethylene-dioxythiophene):poly(styrenesulfonate)/Al structure. <i>Applied Physics Letters</i> , 2010 , 97, 253301	3.4	45
311	Intrinsic and extrinsic origins of room temperature ferromagnetism in Ni-doped ZnO films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 035004	3	45
310	Nanoindentation and nanoscratch behaviors of Ag/Ni multilayers. <i>Applied Surface Science</i> , 2009 , 255, 4558-4562	6.7	44
309	Elastic modulus and hardness of Cu ₃ Au amorphous films. <i>Journal of Alloys and Compounds</i> , 2005 , 389, 75-79	5.7	44
308	How to manipulate magnetic states of antiferromagnets. <i>Nanotechnology</i> , 2018 , 29, 112001	3.4	42
307	Designed Construction of a Graphene and Iron Oxide Freestanding Electrode with Enhanced Flexible Energy-Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6972-81	9.5	42
306	Tuning the entanglement between orbital reconstruction and charge transfer at a film surface. <i>Scientific Reports</i> , 2014 , 4, 4206	4.9	41
305	The electrical, optical and magnetic properties of Si-doped ZnO films. <i>Applied Surface Science</i> , 2012 , 258, 2177-2181	6.7	41
304	Microstructure and mechanical properties of nanoscale Cu/Ni multilayers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1243-1248	5.3	41
303	Strain-induced ferromagnetism enhancement in Co:ZnO films. <i>Journal of Applied Physics</i> , 2008 , 103, 093914	15.1	41
302	Local Co structure and ferromagnetism in ion-implanted Co-doped LiNbO ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	40
301	Manipulation of Electric Field Effect by Orbital Switch. <i>Advanced Functional Materials</i> , 2016 , 26, 753-759	15.6	40
300	Interfacial oxygen-octahedral-tilting-driven electrically tunable topological Hall effect in ultrathin SrRuO ₃ films. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 404001	3	38
299	Performance-Enhancing Selector via Symmetrical Multilayer Design. <i>Advanced Functional Materials</i> , 2019 , 29, 1808376	15.6	38
298	Multilevel resistance switching in Cu/TaOx/Pt structures induced by a coupled mechanism. <i>Journal of Applied Physics</i> , 2010 , 107, 093701	2.5	37
297	Filtering performance improvement in V-doped ZnO/diamond surface acoustic wave filters. <i>Applied Surface Science</i> , 2010 , 256, 3081-3085	6.7	35

296	Exchange bias in a single LaMnO ₃ film induced by vertical electronic phase separation. <i>Physical Review B</i> , 2014 , 89,	3.3	34
295	Electrical control of Co/Ni magnetism adjacent to gate oxides with low oxygen ion mobility. <i>Applied Physics Letters</i> , 2015 , 107, 122407	3.4	34
294	Microstructure and ultrahigh strength of nanoscale Cu/Nb multilayers. <i>Thin Solid Films</i> , 2011 , 520, 818-823	3.4	34
293	Enhancement of electrical and ferromagnetic properties by additional Al doping in Co:ZnO thin films. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 296208	1.8	34
292	Anomalous Hall Effect-like Behavior with In-Plane Magnetic Field in Noncollinear Antiferromagnetic Mn ₃ Sn Films. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800818	6.4	33
291	C54-TiSi ₂ formed by direct high current Ti-ion implantation. <i>Applied Physics Letters</i> , 1993 , 62, 2356-2358	3.4	33
290	Observation of the antiferromagnetic spin Hall effect. <i>Nature Materials</i> , 2021 , 20, 800-804	27	33
289	Role of Oxygen Ion Migration in the Electrical Control of Magnetism in Pt/Co/Ni/HfO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1633-1639	3.8	32
288	Enhancement of piezoelectric response of diluted Ta doped AlN. <i>Applied Surface Science</i> , 2013 , 270, 225-230	4.3	32
287	. <i>IEEE Electron Device Letters</i> , 2012 , 33, 1711-1713	4.4	32
286	Fully epitaxial (Zn,Co)O/ZnO/(Zn,Co)O junction and its tunnel magnetoresistance. <i>Applied Physics Letters</i> , 2007 , 91, 042106	3.4	32
285	Charge Transfer and Orbital Reconstruction in Strain-Engineered (La,Sr)MnO ₃ /LaNiO ₃ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17700-6	9.5	31
284	Current-induced magnetization switching in a CoTb amorphous single layer. <i>Physical Review B</i> , 2020 , 101,	3.3	31
283	Electric and Light Dual-Gate Tunable MoS Memtransistor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43344-43350	9.5	31
282	Tunneling anisotropic magnetoresistance driven by magnetic phase transition. <i>Nature Communications</i> , 2017 , 8, 449	17.4	31
281	Influence of Cr-doping on microstructure and piezoelectric response of AlN films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 235406	3	31
280	Substrate-dependent magnetization in Co-doped ZnO insulating films. <i>Physical Review B</i> , 2007 , 76,	3.3	31
279	Perpendicular magnetic anisotropy in CoFeB/X (X=MgO, Ta, W, Ti, and Pt) multilayers. <i>Journal of Alloys and Compounds</i> , 2013 , 559, 112-115	5.7	29

278	Transition from diluted magnetic insulator to semiconductor in Co-doped ZnO transparent oxide. <i>Journal of Applied Physics</i> , 2007 , 101, 103903	2.5	29
277	Synthesis of δ and β -FeSi ₂ phases by Fe ion implantation into Si using metal vapor vacuum arc ion source. <i>Journal of Applied Physics</i> , 1994 , 75, 3847-3854	2.5	29
276	Strong Electrical Manipulation of Spin-Orbit Torque in Ferromagnetic Heterostructures. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600219	6.4	29
275	Resistive switching with self-rectifying behavior in Cu/SiO _x /Si structure fabricated by plasma-oxidation. <i>Journal of Applied Physics</i> , 2013 , 113, 244502	2.5	28
274	Microstructure and photoluminescence study of vanadium-doped ZnO films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 115109	3	28
273	Quality-enhanced AlN epitaxial films grown on c-sapphire using ZnO buffer layer for SAW applications. <i>Applied Surface Science</i> , 2017 , 402, 392-399	6.7	27
272	Anti-Ferromagnet Controlled Tunneling Magnetoresistance. <i>Advanced Functional Materials</i> , 2014 , 24, 6806-6810	15.6	27
271	Interplay between chemical state, electric properties, and ferromagnetism in Fe-doped ZnO films. <i>Journal of Applied Physics</i> , 2013 , 113, 104503	2.5	27
270	Indentation creep behavior of nano-scale Ag/Co multilayers. <i>Scripta Materialia</i> , 2006 , 55, 187-190	5.6	27
269	Electric Field Control of Phase Transition and Tunable Resistive Switching in SrFeO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6581-6588	9.5	26
268	Realization of the meminductor. <i>ACS Nano</i> , 2014 , 8, 10043-7	16.7	26
267	Donor defects enhanced ferromagnetism in Co:ZnO films. <i>Thin Solid Films</i> , 2008 , 516, 8757-8761	2.2	26
266	Nanoindentation investigation of the mechanical behaviors of nanoscale Ag/Cu multilayers. <i>Journal of Materials Research</i> , 2007 , 22, 3423-3431	2.5	26
265	Modulating metallic conductive filaments via bilayer oxides in resistive switching memory. <i>Applied Physics Letters</i> , 2019 , 114, 193502	3.4	25
264	Frequency-dependent learning achieved using semiconducting polymer/electrolyte composite cells. <i>Nanoscale</i> , 2015 , 7, 16880-9	7.7	25
263	Tuning of uniaxial magnetic anisotropy in amorphous CoFeB films. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 106003	1.8	25
262	Room temperature nanoindentation creep of nanoscale Ag/Fe multilayers. <i>Materials Letters</i> , 2010 , 64, 53-56	3.3	25
261	Nanoindentation studies of Cu ₃ N alloy films prepared by magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2008 , 464, 544-549	5.7	25

260	Electrochemical control of the phase transition of ultrathin FeRh films. <i>Applied Physics Letters</i> , 2016 , 108, 202404	3.4	25
259	Electric-Field Control of Oxygen Vacancies and Magnetic Phase Transition in a Cobaltite/Manganite Bilayer. <i>Physical Review Applied</i> , 2017 , 8,	4.3	24
258	The role of rotatable anisotropy in the asymmetric magnetization reversal of exchange biased NiO/Ni bilayers. <i>Journal of Applied Physics</i> , 2009 , 106, 013902	2.5	24
257	Investigation of the wear behaviors of Ag/Cu multilayers by nanoscratch. <i>Wear</i> , 2008 , 265, 1808-1813	3.5	24
256	Enhancement of yield strength by chromium/nitrogen alloying in high-manganese cryogenic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 698, 110-116	5.3	23
255	Magnetic properties of vapor-deposited iron-noble-metal multilayers. <i>Physical Review B</i> , 1993 , 48, 10276-10283	3.3	23
254	Oxygen-Valve Formed in Cobaltite-Based Heterostructures by Ionic Liquid and Ferroelectric Dual-Gating. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19584-19595	9.5	22
253	Influence of film composition on the transition temperature of FeRh films. <i>Journal of Crystal Growth</i> , 2016 , 438, 19-24	1.6	22
252	Interface-modification-enhanced tunnel electroresistance in multiferroic tunnel junctions. <i>Journal of Applied Physics</i> , 2014 , 116, 053703	2.5	22
251	Design of a Controllable Redox-Diffusive Threshold Switching Memristor. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000695	6.4	22
250	From Fieldlike Torque to Antidamping Torque in Antiferromagnetic Mn ₂ Au. <i>Physical Review Applied</i> , 2019 , 11,	4.3	21
249	Realization of Isolated and High-Density Skyrmions at Room Temperature in Uncompensated Synthetic Antiferromagnets. <i>Nano Letters</i> , 2020 , 20, 3299-3305	11.5	21
248	Grain boundary defects-mediated room temperature ferromagnetism in Co-doped ZnO film. <i>Journal of Alloys and Compounds</i> , 2009 , 482, 224-228	5.7	21
247	Room temperature ferromagnetism and ferroelectricity in cobalt-doped LiNbO ₃ film. <i>Applied Physics Letters</i> , 2008 , 92, 262901	3.4	21
246	Wideband and Low-Loss Surface Acoustic Wave Filter Based on 15° YX-LiNbO ₃ /SiO ₂ /Si Structure. <i>IEEE Electron Device Letters</i> , 2021 , 42, 438-441	4.4	21
245	Electrical control of magnetism in oxides. <i>Chinese Physics B</i> , 2016 , 25, 067502	1.2	20
244	Giant piezoresponse and promising application of environmental friendly small-ion-doped ZnO. <i>Science China Technological Sciences</i> , 2012 , 55, 421-436	3.5	20
243	Contributions of magnetic properties in epitaxial copper-doped ZnO. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 13153-61	3.6	20

242	Enhancement of room temperature ferromagnetism in Cu-doped AlN thin film by defect engineering. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 469-474	5.7	20
241	Investigation of nanoindentation on Co/Mo multilayers by the continuous stiffness measurement technique. <i>Surface and Coatings Technology</i> , 2005 , 191, 127-133	4.4	20
240	High-Frequency Surface Acoustic Wave Devices Based on ZnO/SiC Layered Structure. <i>IEEE Electron Device Letters</i> , 2019 , 40, 103-106	4.4	20
239	Grain Size-Dependent Mechanical Properties of a High-Manganese Austenitic Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019 , 32, 746-754	2.5	20
238	Spintronic materials and devices based on antiferromagnetic metals. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 208-216	3.6	19
237	Unconventional resistive switching behavior in ferroelectric tunnel junctions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10146-50	3.6	19
236	Frequency selectivity in pulse responses of Pt/poly(3-hexylthiophene-2,5-diyl)/polyethylene oxide +Li+/Pt hetero-junction. <i>PLoS ONE</i> , 2014 , 9, e108316	3.7	19
235	Size dependence of creep behavior in nanoscale Cu/Co multilayer thin films. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 434-440	5.7	19
234	Thermal stability of microstructure and mechanical properties of Ni/Ru multilayers. <i>Surface and Coatings Technology</i> , 2008 , 202, 2040-2046	4.4	19
233	Realisation of all 16 Boolean logic functions in a single magnetoresistance memory cell. <i>Nanoscale</i> , 2016 , 8, 12819-25	7.7	18
232	Cost-effective and high frequency surface acoustic wave filters on ZnO:Fe/Si for low-loss and wideband application. <i>Applied Physics Letters</i> , 2012 , 101, 172909	3.4	18
231	Interlayer magnetostatic coupling and linear magnetoresistance in [Pd/Co]/MgO/Co junction sensor. <i>Applied Physics Letters</i> , 2012 , 101, 062404	3.4	18
230	Lateral transport properties of thermally excited magnons in yttrium iron garnet films. <i>Applied Physics Letters</i> , 2017 , 110, 062407	3.4	17
229	Phase-change nanoclusters embedded in a memristor for simulating synaptic learning. <i>Nanoscale</i> , 2019 , 11, 5684-5692	7.7	17
228	Tuning the training effect in exchange biased NiO/Ni bilayers. <i>Applied Physics Letters</i> , 2008 , 92, 243113	3.4	17
227	Nanoindentation study of amorphous-Co ₇₉ Zr ₁₃ Nb ₈ /Cr multilayers. <i>Surface and Coatings Technology</i> , 2008 , 202, 3239-3245	4.4	17
226	Metastable alloys synthesised by ion mixing and thermodynamic and kinetic modelling. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 106, 17-22	1.2	17
225	Spontaneous vitrification in the Au _{100-x} Al _x system with a small size difference. <i>Applied Physics Letters</i> , 1995 , 67, 780-782	3.4	17

224	High-frequency V-doped ZnO/SiC surface acoustic wave devices with enhanced electromechanical coupling coefficient. <i>Applied Physics Letters</i> , 2019 , 114, 113504	3.4	16
223	Evidence for asymmetric rotation of spins in antiferromagnetic exchange-spring. <i>New Journal of Physics</i> , 2014 , 16, 123032	2.9	16
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