

Feng Pan

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.

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	SAW Filters With Excellent Temperature Stability and High Power Handling Using LiTaO ₃ /SiC Bonded Wafers. <i>Journal of Microelectromechanical Systems</i> , 2022 , 1-8	2.5	2
384	Memristive Behaviors Dominated by Reversible Nucleation Dynamics of Phase-Change Nanoclusters.. <i>Small</i> , 2022 , e2105070	11	0
383	An overview of SrRuO ₃ -based heterostructures for spintronic and topological phenomena. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 233001	3	2
382	Antiferromagnetic Magnon Drag Effect and Giant On-Off Ratio in a Vertical Device. <i>Advanced Quantum Technologies</i> , 2022 , 5, 2100138	4.3	1
381	Tunable Spin Hall Magnetoresistance in All-Antiferromagnetic Heterostructures. <i>Chinese Physics Letters</i> , 2022 , 39, 047502	1.8	0
380	Basic Logic Operations Achieved in a Single 2D WSe ₂ Transistor by Surface-Charge-Transfer Doping. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 5059-5065	4	
379	Terahertz pulse-induced Néel vector switching in Fe ₂ O ₃ /Pt heterostructures. <i>Applied Physics Letters</i> , 2021 , 119, 212401	3.4	3
378	Cluster magnetic octupole induced out-of-plane spin polarization in antiperovskite antiferromagnet. <i>Nature Communications</i> , 2021 , 12, 6524	17.4	4
377	Systematical Study of the Basic Properties of Surface Acoustic Wave Devices Based on ZnO and GaN Multilayers. <i>Electronics (Switzerland)</i> , 2021 , 10, 23	2.6	8
376	Facilitating room-temperature oxygen ion migration Co-O bond activation in cobaltite films. <i>Nanoscale</i> , 2021 , 13, 18256-18266	7.7	2
375	Study of spin mixing conductance of single oriented Pt in Pt/Ni ₈₁ Fe ₁₉ heterostructure by spin pumping. <i>AIP Advances</i> , 2021 , 11, 035211	1.5	1
374	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
373	Emerging opportunities for voltage-driven magneto-ionic control in ferroic heterostructures. <i>APL Materials</i> , 2021 , 9, 040904	5.7	8
372	Reducing Dzyaloshinskii-Moriya interaction and field-free spin-orbit torque switching in synthetic antiferromagnets. <i>Nature Communications</i> , 2021 , 12, 3113	17.4	11
371	Observation of negative capacitance in antiferroelectric PbZrO ₃ Films. <i>Nature Communications</i> , 2021 , 12, 4215	17.4	5
370	Enhanced Coupling Coefficient in Dual-Mode ZnO/SiC Surface Acoustic Wave Devices with Partially Etched Piezoelectric Layer. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6383	2.6	3
369	Plasma Etching-Assisted Perpendicular Magnetic Anisotropy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100368	1.6	1

368	Spin-orbit torques: Materials, mechanisms, performances, and potential applications. <i>Progress in Materials Science</i> , 2021 , 118, 100761	42.2	52
367	Evolution of domain structure in Fe ₃ GeTe ₂ *. <i>Chinese Physics B</i> , 2021 , 30, 027505	1.2	3
366	Observation of the antiferromagnetic spin Hall effect. <i>Nature Materials</i> , 2021 , 20, 800-804	27	33
365	Near 30% fractional bandwidth surface acoustic wave filters with novel electrode configuration. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 852-852	3.6	1
364	Designing All-Inorganic EuO-Sensitized TiO ₂ Solar Cell from 4f-3d Composite Bandgap Structure. <i>Advanced Theory and Simulations</i> , 2021 , 4, 2100235	3.5	2
363	Structure with thin SiO/SiN bilayer and Al electrodes for high-frequency, large-coupling, and low-cost surface acoustic wave devices. <i>Ultrasonics</i> , 2021 , 115, 106460	3.5	2
362	Temperature-Dependent Terahertz Emission from Co/Mn ₂ Au Spintronic Bilayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2100290	2.5	2
361	A Multilayered Structure for Packageless Acoustic- Wave Devices With Ultra-Small Sizes. <i>Journal of Microelectromechanical Systems</i> , 2021 , 30, 589-596	2.5	3
360	High-Performance Surface Acoustic Wave Devices Using LiNbO ₃ /SiO ₂ /SiC Multilayered Substrates. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3693-3705	4.1	10
359	Control of spin-orbit torques through magnetic symmetry in differently oriented noncollinear antiferromagnetic Mn ₃ Pt. <i>Physical Review B</i> , 2021 , 104,	3.3	5
358	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. <i>Angewandte Chemie</i> , 2021 , 133, 23770	3.6	1
357	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23578-23583	16.4	5
356	Bias-dependent tunneling anisotropic magnetoresistance in antiferromagnetic Pd-doped FeRh-based junctions. <i>Applied Physics Letters</i> , 2021 , 119, 242401	3.4	0
355	Room temperature anomalous Hall effect in antiferromagnetic Mn ₃ SnN films. <i>Applied Physics Letters</i> , 2020 , 117, 222404	3.4	5
354	Performance Improvement of Conductive Bridging Random Access Memory by Electrode Alloying. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11438-11443	3.8	6
353	Cluster-Type Filaments Induced by Doping in Low-Operation-Current Conductive Bridge Random Access Memory. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29481-29486	9.5	3
352	Current-induced magnetization switching in a CoTb amorphous single layer. <i>Physical Review B</i> , 2020 , 101,	3.3	31
351	Current-Induced In-Plane Magnetization Switching in a Biaxial Ferrimagnetic Insulator. <i>Physical Review Applied</i> , 2020 , 13,	4.3	6

350	Magnetic field direction dependence of topological Hall effect like features in synthetic ferromagnetic and antiferromagnetic multilayers. <i>Applied Physics Letters</i> , 2020 , 116, 242403	3.4	6
349	High-frequency and high-temperature stable surface acoustic wave devices on ZnO/SiO ₂ /SiC structure. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 305102	3	6
348	High-Performance Optoelectronics: Lateral 2D WSe ₂ p-n Homojunction Formed by Efficient Charge-Carrier-Type Modulation for High-Performance Optoelectronics (Adv. Mater. 9/2020). <i>Advanced Materials</i> , 2020 , 32, 2070067	24	1
347	Interfacial Control of Ferromagnetism in Ultrathin SrRuO Films Sandwiched between Ferroelectric BaTiO Layers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6707-6715	9.5	10
346	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
345	Implementing a Type of Synaptic Coupling between Excitatory and Inhibitory Cells by Using Pt/Poly(3,4-ethylenedioxythiophene):Polystyrenesulfonate/HfO _x /Pt Memristive Structure. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4843-4851	3.8	2
344	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
343	A comparative study of spin Hall magnetoresistance in Fe ₂ O ₃ -based systems. <i>Journal of Applied Physics</i> , 2020 , 127, 163904	2.5	4
342	Orientation control of oxygen vacancy channels in brownmillerite SrFeO _{2.5} . <i>Physical Review Materials</i> , 2020 , 4,	3.2	4
341	Design of a Controllable Redox-Diffusive Threshold Switching Memristor. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000695	6.4	22
340	3D Layout of Interdigital Transducers for High Frequency Surface Acoustic Wave Devices. <i>IEEE Access</i> , 2020 , 8, 123262-123271	3.5	8
339	Formation and annihilation of multi-antiskyrmion defects during skyrmion nucleation. <i>Journal of Applied Physics</i> , 2020 , 128, 183903	2.5	0
338	Tunable spin-orbit torque switching in antiferromagnetically coupled CoFeB/Ta/CoFeB. <i>Applied Physics Letters</i> , 2020 , 117, 212403	3.4	4
337	Ultrafast electron transport in metallic antiferromagnetic Mn ₂ Au thin films probed by terahertz spectroscopy. <i>Physical Review B</i> , 2020 , 102,	3.3	2
336	Enhanced Performance of ZnO/SiO ₂ /AlO Surface Acoustic Wave Devices with Embedded Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42378-42385	9.5	2
335	Size-dependent anomalous Hall effect in noncollinear antiferromagnetic Mn ₃ Sn films. <i>Applied Physics Letters</i> , 2020 , 117, 052404	3.4	11
334	Functional antiferromagnets for potential applications on high-density storage and high frequency. <i>Journal of Applied Physics</i> , 2020 , 128, 210901	2.5	7
333	Strong magnetoresistance modulation by Ir insertion in a Ta/Ir/CoFeB trilayer. <i>Physical Review B</i> , 2019 , 100,	3.3	3

332	Magnetic field direction dependent magnetization reversal in synthetic antiferromagnets. <i>Applied Physics Letters</i> , 2019 , 115, 132403	3.4	10
331	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
330	Modulating metallic conductive filaments via bilayer oxides in resistive switching memory. <i>Applied Physics Letters</i> , 2019 , 114, 193502	3.4	25
329	From Fieldlike Torque to Antidamping Torque in Antiferromagnetic Mn2Au. <i>Physical Review Applied</i> , 2019 , 11,	4.3	21
328	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
327	Spin valve effect induced by spin-orbit torque switching. <i>Applied Physics Letters</i> , 2019 , 114, 092404	3.4	3
326	Nonvolatile Memory: Performance-Enhancing Selector via Symmetrical Multilayer Design (Adv. Funct. Mater. 13/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970081	15.6	3
325	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
324	The effect of modulated matrix microstructure on the deformation behavior in SiC /Ti17 composites. <i>Materials Letters</i> , 2019 , 242, 123-126	3.3	3
323	Anomalous Hall Effect-Like Behavior with In-Plane Magnetic Field in Noncollinear Antiferromagnetic Mn3Sn Films. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800818	6.4	33
322	Electrical Control of Anisotropic Ferromagnetic Domains During Antiferromagnetic-Ferromagnetic Phase Transition. <i>Physical Review Applied</i> , 2019 , 11,	4.3	3
321	Phase-change nanoclusters embedded in a memristor for simulating synaptic learning. <i>Nanoscale</i> , 2019 , 11, 5684-5692	7.7	17
320	Interfacial oxygen-octahedral-tilting-driven electrically tunable topological Hall effect in ultrathin SrRuO3 films. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 404001	3	38
319	Electric field control of Néel spin-orbit torque in an antiferromagnet. <i>Nature Materials</i> , 2019 , 18, 931-935	27	76
318	Tuning the magnetotransport behavior of topological insulator with a transition-metal oxide layer. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 405001	1.8	
317	Electric and Light Dual-Gate Tunable MoS Memtransistor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43344-43350	9.5	31
316	Orientation-dependent THz emission in non-collinear antiferromagnetic Mn3Sn and Mn3Sn-based heterostructures. <i>Applied Physics Letters</i> , 2019 , 115, 182402	3.4	11
315	Simultaneous detection of the spin Hall magnetoresistance and Joule heating-induced spin Seebeck effect in Gd3Fe5O12/Pt bilayers. <i>Journal of Applied Physics</i> , 2019 , 126, 183901	2.5	3

314	Self-Modulating Interfacial Cation Migration Induced Threshold Switching in Bilayer Oxide Memristive Device. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 878-885	3.8	7
313	Simulation of temperature compensated waveguiding layer acoustic wave devices. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 075105	3	5
312	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
311	Performance-Enhancing Selector via Symmetrical Multilayer Design. <i>Advanced Functional Materials</i> , 2019 , 29, 1808376	15.6	38
310	Behavior of Al/Cu/Ti electrodes in surface acoustic wave filter at high power. <i>Current Applied Physics</i> , 2019 , 19, 363-369	2.6	3
309	Facile access to shape-controlled growth of WS ₂ monolayer via environment-friendly method. <i>2D Materials</i> , 2019 , 6, 015007	5.9	10
308	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
307	Enhanced power durability of surface acoustic wave filter with Al/Ti/Cu/Ti electrodes. <i>Journal of Alloys and Compounds</i> , 2018 , 740, 222-228	5.7	6
306	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
305	Microstructure and interfacial strength of SiC fiber-reinforced Ti17 alloy composites with different consolidation temperatures. <i>Rare Metals</i> , 2018 , 37, 759-768	5.5	10
304	Controllable oxygen vacancies, orbital occupancy and magnetic ordering in SrCoO ₃ films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 454, 228-236	2.8	10
303	Texture-enhanced Al-Cu electrodes on ultrathin Ti buffer layers for high-power durable 2.6 GHz SAW filters. <i>AIP Advances</i> , 2018 , 8, 045212	1.5	8
302	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
301	How to manipulate magnetic states of antiferromagnets. <i>Nanotechnology</i> , 2018 , 29, 112001	3.4	42
300	Enhanced SAW characteristics of a-plane AlN epitaxial films using ZnO buffer layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3912-3919	2.1	9
299	Characteristics of one-port surface acoustic wave resonator fabricated on ZnO/6H-SiC layered structure. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 145305	3	6
298	Improved resistance to electromigration and acoustomigration of Al interdigital transducers by Ni underlayer. <i>Rare Metals</i> , 2018 , 37, 823-830	5.5	7
297	Spin-orbit torque in a completely compensated synthetic antiferromagnet. <i>Physical Review B</i> , 2018 , 97,	3.3	48

296	Optimization of C/TiCx duplex diffusion barrier coatings for SiCf/Ti composites based on interfacial structure evolution exploration. <i>Ceramics International</i> , 2018 , 44, 16528-16534	5.1	2
295	Evolution of microstructures and mechanical properties during solution treatment of a Ti/V/Mo-containing high-manganese cryogenic steel. <i>Materials Characterization</i> , 2018 , 135, 287-294	3.9	14
294	Local Control of Exchange Bias by Resistive Switching. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1800446	2.5	5
293	Control of Secondary Phases by Solution Treatment in a N-Alloyed High-Mn Cryogenic Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018 , 31, 1059-1072	2.5	1
292	Antidamping-Torque-Induced Switching in Biaxial Antiferromagnetic Insulators. <i>Physical Review Letters</i> , 2018 , 120, 207204	7.4	150
291	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
290	Adaptive Crystallite Kinetics in Homogenous Bilayer Oxide Memristor for Emulating Diverse Synaptic Plasticity. <i>Advanced Functional Materials</i> , 2018 , 28, 1706927	15.6	90
289	Light Tuning of the Resistance of NdNiO ₃ Films With CoFe ₂ O ₄ Capping. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1800186	2.5	1
288	Anomalous Hall effect in one monolayer cobalt with electrical manipulation. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 315-320	5.7	3
287	Role of an ultrathin platinum seed layer in antiferromagnet-based perpendicular exchange coupling and its electrical manipulation. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 428, 431-436	2.8	4
286	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
285	Lateral transport properties of thermally excited magnons in yttrium iron garnet films. <i>Applied Physics Letters</i> , 2017 , 110, 062407	3.4	17
284	A class of liquid anode for rechargeable batteries with ultralong cycle life. <i>Nature Communications</i> , 2017 , 8, 14629	17.4	61
283	Recent progress in voltage control of magnetism: Materials, mechanisms, and performance. <i>Progress in Materials Science</i> , 2017 , 87, 33-82	42.2	280
282	Spintronic materials and devices based on antiferromagnetic metals. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 208-216	3.6	19
281	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
280	Diverse Synaptic Plasticity Induced by the Interplay of Ionic Polarization and Doping at Salt-Doped Electrolyte/Semiconducting Polymer Interface. <i>ACS Omega</i> , 2017 , 2, 746-754	3.9	5
279	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

278	Metal-insulator-metal transition in NdNiO ₃ films capped by CoFe ₂ O ₄ . <i>Applied Physics Letters</i> , 2017 , 110, 072406	3.4	11
277	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
276	Sputtering power dependence of structure and photoluminescence of ZnO on 6H-SiC. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 17881-17888	2.1	3
275	Spin-orbit torque switching in MgO/CoFeB/Ta/CoFeB/MgO heterostructures with a critical current density of 105 A/cm ² . <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 100303	1.4	4
274	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
273	Tunneling anisotropic magnetoresistance driven by magnetic phase transition. <i>Nature Communications</i> , 2017 , 8, 449	17.4	31
272	Hall detection of anisotropic domain walls during magnetic phase transition. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 505004	3	4
271	Photon-Gated Spin Transistor. <i>Advanced Materials</i> , 2017 , 29, 1604052	24	10
270	Chemical modulation of electronic structure at the excited state. <i>Physical Review B</i> , 2017 , 96,	3.3	1
269	Designing room-temperature multiferroic materials in a single-phase solid-solution film. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 365001	3	3
268	Optical control of magnetism in manganite films. <i>Physical Review B</i> , 2016 , 93,	3.3	10
267	Manipulating the metal-to-insulator transition of NdNiO ₃ films by orbital polarization. <i>Physical Review B</i> , 2016 , 93,	3.3	14
266	Spin-Hall-Effect-Assisted Electroresistance in Antiferromagnets via 10(5) A/cm(2) dc Current. <i>Scientific Reports</i> , 2016 , 6, 31966	4.9	4
265	Realisation of all 16 Boolean logic functions in a single magnetoresistance memory cell. <i>Nanoscale</i> , 2016 , 8, 12819-25	7.7	18
264	Electrical control of magnetism in oxides. <i>Chinese Physics B</i> , 2016 , 25, 067502	1.2	20
263	Influence of film composition on the transition temperature of FeRh films. <i>Journal of Crystal Growth</i> , 2016 , 438, 19-24	1.6	22
262	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
261	Multi-mode resistive switching behaviors induced by modifying Ti interlayer thickness and operation scheme. <i>Journal of Alloys and Compounds</i> , 2016 , 667, 219-224	5.7	9

260	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
259	Growth and Characterization of Polyimide-Supported AlN Films for Flexible Surface Acoustic Wave Devices. <i>Journal of Electronic Materials</i> , 2016 , 45, 2702-2709	1.9	6
258	Electrical control of antiferromagnetic metal up to 15 nm. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016 , 59, 1	3.6	7
257	Manipulation of Electric Field Effect by Orbital Switch. <i>Advanced Functional Materials</i> , 2016 , 26, 753-759	15.6	40
256	Sliding threshold of spike-rate dependent plasticity of a semiconducting polymer/electrolyte cell. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 2412-2417	2.6	2
255	Simulation of synaptic short-term plasticity using Ba(CF ₃ SO ₃) ₂ -doped polyethylene oxide electrolyte film. <i>Scientific Reports</i> , 2016 , 6, 18915	4.9	12
254	Unipolar resistive switching with forming-free and self-rectifying effects in Cu/HfO ₂ /n-Si devices. <i>AIP Advances</i> , 2016 , 6, 025007	1.5	16
253	Restoring the magnetism of ultrathin LaMnO ₃ films by surface symmetry engineering. <i>Physical Review B</i> , 2016 , 94,	3.3	10
252	Electrochemical control of the phase transition of ultrathin FeRh films. <i>Applied Physics Letters</i> , 2016 , 108, 202404	3.4	25
251	Strong Electrical Manipulation of Spin-Orbit Torque in Ferromagnetic Heterostructures. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600219	6.4	29
250	Insight into the antiferromagnetic structure manipulated by electronic reconstruction. <i>Physical Review B</i> , 2016 , 94,	3.3	16
249	Vertical spin Hall magnetoresistance in Ta _{1-x} Ptx/YIG bilayers. <i>Physical Review B</i> , 2016 , 94,	3.3	4
248	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
247	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
246	Oscillatory exchange bias effect in La _{0.67} Sr _{0.33} MnO ₃ /G-SrMnO ₃ /La _{0.67} Sr _{0.33} MnO ₃ sandwiches. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 295003	3	1
245	Frequency-dependent learning achieved using semiconducting polymer/electrolyte composite cells. <i>Nanoscale</i> , 2015 , 7, 16880-9	7.7	25
244	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
243	High-energy density nonaqueous all redox flow lithium battery enabled with a polymeric membrane. <i>Science Advances</i> , 2015 , 1, e1500886	14.3	144

242	Magnetism modulation in Cu-doped AlN via coupling between AlN thin film and ferroelectric substrate. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 236-239	5.7	3
241	Implementation of Complete Boolean Logic Functions in Single Complementary Resistive Switch. <i>Scientific Reports</i> , 2015 , 5, 15467	4.9	68
240	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
239	Tilt engineering of exchange coupling at G-type SrMnO ₃ /(La,Sr)MnO ₃ interfaces. <i>Scientific Reports</i> , 2015 , 5, 16187	4.9	12
238	Manipulation of orbital occupancy by ferroelectric polarization in LaNiO ₃ /BaTiO ₃ heterostructures. <i>Applied Physics Letters</i> , 2015 , 107, 182904	3.4	13
237	Electrical Manipulation of Orbital Occupancy and Magnetic Anisotropy in Manganites. <i>Advanced Functional Materials</i> , 2015 , 25, 864-870	15.6	84
236	Spin Hall magnetoresistance in Nb/Y ₃ Fe ₅ O ₁₂ hybrids. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015 , 9, 371-374	2.5	3
235	Magnetoelectric Coupling Induced by Interfacial Orbital Reconstruction. <i>Advanced Materials</i> , 2015 , 27, 6651-6	24	69
234	Electrical control of the exchange spring in antiferromagnetic metals. <i>Advanced Materials</i> , 2015 , 27, 3196-201	6.7	80
233	Redox Species of Redox Flow Batteries: A Review. <i>Molecules</i> , 2015 , 20, 20499-517	4.8	114
232	Unconventional resistive switching behavior in ferroelectric tunnel junctions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10146-50	3.6	19
231	Effect of heavy-ion on frequency selectivity of semiconducting polymer/electrolyte heterojunction. <i>RSC Advances</i> , 2015 , 5, 98110-98117	3.7	5
230	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
229	Redox Targeting of Anatase TiO ₂ for Redox Flow Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1400567	21.8	68
228	Antiferromagnet-controlled spin current transport in SrMnO ₃ /Pt hybrids. <i>Physical Review B</i> , 2014 , 90,	3.3	56
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36	Microstructure and magnetic behaviors of Fe/Hf multilayers by vapor deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 192, 53-60	2.8	7
35	Magnetic properties and microstructure of Fe/Ti nano-scale multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 182, 89-95	2.8	5
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