

# Cheng Song

## List of Publications by Year in descending order

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230  
papers

9,461  
citations

41344

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233  
docs citations

233  
times ranked

9043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in resistive random access memories: Materials, switching mechanisms, and performance. <i>Materials Science and Engineering Reports</i> , 2014, 83, 1-59.	31.8	1,160
2	Ferromagnetism and possible application in spintronics of transition-metal-doped ZnO films. <i>Materials Science and Engineering Reports</i> , 2008, 62, 1-35.	31.8	616
3	Recent progress in voltage control of magnetism: Materials, mechanisms, and performance. <i>Progress in Materials Science</i> , 2017, 87, 33-82.	32.8	357
4	Resistive Switching and Magnetic Modulation in Cobalt-Doped ZnO. <i>Advanced Materials</i> , 2012, 24, 3515-3520.	21.0	252
5	Antidamping-Torque-Induced Switching in Biaxial Antiferromagnetic Insulators. <i>Physical Review Letters</i> , 2018, 120, 207204.	7.8	246
6	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.	5.5	237
7	Giant piezoelectric d33 coefficient in ferroelectric vanadium doped ZnO films. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	168
8	Room-Temperature Perpendicular Exchange Coupling and Tunneling Anisotropic Magnetoresistance in an Antiferromagnet-Based Tunnel Junction. <i>Physical Review Letters</i> , 2012, 109, 137201.	7.8	165
9	Electric field control of Néel spin-orbit torque in an antiferromagnet. <i>Nature Materials</i> , 2019, 18, 931-935.	27.5	132
10	Spin-orbit torques: Materials, mechanisms, performances, and potential applications. <i>Progress in Materials Science</i> , 2021, 118, 100761.	32.8	127
11	Competition between Metallic and Vacancy Defect Conductive Filaments in a $\text{CH}_3\text{NH}_3\text{PbI}_3$ -Based Memory Device. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6431-6436.	3.1	115
12	Observation of the antiferromagnetic spin Hall effect. <i>Nature Materials</i> , 2021, 20, 800-804.	27.5	113
13	Guiding the Growth of a Conductive Filament by Nanoindentation To Improve Resistive Switching. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34064-34070.	8.0	106
14	Electrical Manipulation of Orbital Occupancy and Magnetic Anisotropy in Manganites. <i>Advanced Functional Materials</i> , 2015, 25, 864-870.	14.9	105
15	Oxygen migration induced resistive switching effect and its thermal stability in $\text{W}/\text{TaO}_x/\text{Pt}$ structure. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	103
16	Lateral 2D $\text{WSe}_2$ p-n Homojunction Formed by Efficient Charge-Carrier Type Modulation for High-Performance Optoelectronics. <i>Advanced Materials</i> , 2020, 32, e1906499.	21.0	103
17	Electrical Control of the Exchange Spring in Antiferromagnetic Metals. <i>Advanced Materials</i> , 2015, 27, 3196-3201.	21.0	98
18	Forming-free and self-rectifying resistive switching of the simple $\text{Pt}/\text{TaO}_x/\text{n-Si}$ structure for access device-free high-density memory application. <i>Nanoscale</i> , 2015, 7, 6031-6038.	5.6	97

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19	Formation process of conducting filament in planar organic resistive memory. Applied Physics Letters, 2013, 102, .	3.3	89
20	Conductance quantization in a Ag filament-based polymer resistive memory. Nanotechnology, 2013, 24, 335201.	2.6	86
21	Thermal generation, manipulation and thermoelectric detection of skyrmions. Nature Electronics, 2020, 3, 672-679.	26.0	86
22	Cr-substitution-induced ferroelectric and improved piezoelectric properties of $Zn_{1-x}Cr_xO$ films. Journal of Applied Physics, 2008, 103, .	2.5	85
23	Resistive switching and conductance quantization in Ag/SiO <sub>2</sub> /indium tin oxide resistive memories. Applied Physics Letters, 2014, 105, .	3.3	85
24	Implementation of Complete Boolean Logic Functions in Single Complementary Resistive Switch. Scientific Reports, 2015, 5, 15467.	3.3	84
25	Spin-orbit torque in MgO/CoFeB/Ta/CoFeB/MgO symmetric structure with interlayer antiferromagnetic coupling. Physical Review B, 2017, 95, .	3.2	82
26	Magnetoelectric Coupling Induced by Interfacial Orbital Reconstruction. Advanced Materials, 2015, 27, 6651-6656.	21.0	81
27	Strain engineering induced interfacial self-assembly and intrinsic exchange bias in a manganite perovskite film. Scientific Reports, 2013, 3, 2542.	3.3	79
28	How to manipulate magnetic states of antiferromagnets. Nanotechnology, 2018, 29, 112001.	2.6	79
29	Reversible Ferromagnetic Phase Transition in Electrode-Gated Manganites. Advanced Functional Materials, 2014, 24, 7233-7240.	14.9	76
30	Strong Orientation-Dependent Spin-Orbit Torque in Thin Films of the Antiferromagnet $MnMn_2$ . Physical Review Applied, 2018, 9, .	3.8	75
31	Spin-orbit torque in a completely compensated synthetic antiferromagnet. Physical Review B, 2018, 97, .	3.2	73
32	Wideband and Low-Loss Surface Acoustic Wave Filter Based on $15^\circ$ YX-LiNbO <sub>3</sub> /SiO <sub>2</sub> /Si Structure. IEEE Electron Device Letters, 2021, 42, 438-441.	3.9	73
33	A room-temperature magnetic semiconductor from a ferromagnetic metallic glass. Nature Communications, 2016, 7, 13497.	12.8	71
34	Migration of interfacial oxygen ions modulated resistive switching in oxide-based memory devices. Journal of Applied Physics, 2013, 114, 014502.	2.5	69
35	Improving Unipolar Resistive Switching Uniformity with Cone-Shaped Conducting Filaments and Its Logic-In-Memory Application. ACS Applied Materials & Interfaces, 2018, 10, 6453-6462.	8.0	68
36	Observation of Spin Splitting Torque in a Collinear Antiferromagnet $RuO_2$ . Physical Review Letters, 2022, 128, .	7.8	68

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37	Evidence of structural defect enhanced room-temperature ferromagnetism in Co-doped ZnO. Journal of Physics Condensed Matter, 2007, 19, 176229.	1.8	67
38	High-Performance Surface Acoustic Wave Devices Using LiNbO <sub>3</sub> /SiO <sub>2</sub> /SiC Multilayered Substrates. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3693-3705.	4.6	67
39	Programmable complementary resistive switching behaviours of a plasma-oxidised titanium oxide nanolayer. Nanoscale, 2013, 5, 422-428.	5.6	66
40	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	1.3	65
41	Conductance quantization in oxygen-anion-migration-based resistive switching memory devices. Applied Physics Letters, 2013, 103, .	3.3	64
42	Antiferromagnet-controlled spin current transport in $\text{SrMnO}_3$ . Physical Review B, 2014, 90, .	3.3	64
43	Bulk Crystal Growth and Optical and Thermal Properties of the Nonlinear Optical Crystal $\text{L-Histidinium-4-nitrophenolate 4-Nitrophenol (LHPP)}$ . Crystal Growth and Design, 2012, 12, 2673-2678.	3.0	60
44	Current-induced magnetization switching in a CoTb amorphous single layer. Physical Review B, 2020, 101, .	3.2	59
45	Oxygen vacancy effect on room-temperature ferromagnetism of rutile Co:TiO <sub>2</sub> thin films. Applied Physics Letters, 2009, 94, .	3.3	57
46	Effect of Electrode Materials on AlN-Based Bipolar and Complementary Resistive Switching. ACS Applied Materials & Interfaces, 2013, 5, 1793-1799.	8.0	56
47	Anomalous Hall Effect-Like Behavior with In-Plane Magnetic Field in Noncollinear Antiferromagnetic $\text{Mn}_3\text{Sn}$ Films. Advanced Electronic Materials, 2019, 5, 1800818.	5.1	56
48	Performance-Enhancing Selector via Symmetrical Multilayer Design. Advanced Functional Materials, 2019, 29, 1808376.	14.9	56
49	Interfacial oxygen-octahedral-tilting-driven electrically tunable topological Hall effect in ultrathin $\text{SrRuO}_3$ films. Journal Physics D: Applied Physics, 2019, 52, 404001.	2.8	51
50	Electric and Light Dual-Gate Tunable MoS <sub>2</sub> Memtransistor. ACS Applied Materials & Interfaces, 2019, 11, 43344-43350.	8.0	51
51	Proximity Induced Enhancement of the Curie Temperature in Hybrid Spin Injection Devices. Physical Review Letters, 2011, 107, 056601.	7.8	49
52	Manipulation of Electric Field Effect by Orbital Switch. Advanced Functional Materials, 2016, 26, 753-759.	14.9	49
53	Tunneling anisotropic magnetoresistance driven by magnetic phase transition. Nature Communications, 2017, 8, 449.	12.8	49
54	Tuning the entanglement between orbital reconstruction and charge transfer at a film surface. Scientific Reports, 2014, 4, 4206.	3.3	47

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55	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 <sub>2</sub> O <sub>5</sub> /Ta system. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12849-12856.	2.8	47
56	Reducing Dzyaloshinskii-Moriya interaction and field-free spin-orbit torque switching in synthetic antiferromagnets. <i>Nature Communications</i> , 2021, 12, 3113.	12.8	47
57	Electric Field Control of Phase Transition and Tunable Resistive Switching in SrFeO <sub>2.5</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 6581-6588.	8.0	45
58	High-Frequency Surface Acoustic Wave Devices Based on ZnO/SiC Layered Structure. <i>IEEE Electron Device Letters</i> , 2019, 40, 103-106.	3.9	45
59	Spin-Dependent Charge Transport in 1D Chiral Hybrid Lead-Bromide Perovskite with High Stability. <i>Advanced Functional Materials</i> , 2021, 31, 2104605.	14.9	44
60	Local Co structure and ferromagnetism in ion-implanted Co-doped LiNbO <sub>3</sub> . <i>Physical Review B</i> , 2006, 73, .	3.2	43
61	Strain-induced ferromagnetism enhancement in Co:ZnO films. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	43
62	Design of a Controllable Redox-Diffusive Threshold Switching Memristor. <i>Advanced Electronic Materials</i> , 2020, 6, 2000695.	5.1	43
63	Highly Efficient Spin-Filtering Transport in Chiral Hybrid Copper Halides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23578-23583.	13.8	43
64	Realization of Isolated and High-Density Skyrmions at Room Temperature in Uncompensated Synthetic Antiferromagnets. <i>Nano Letters</i> , 2020, 20, 3299-3305.	9.1	42
65	Role of Oxygen Ion Migration in the Electrical Control of Magnetism in Pt/Co/Ni/HfO <sub>2</sub> Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1633-1639.	3.1	41
66	Spin pumping during the antiferromagnetic-ferromagnetic phase transition of iron-rhodium. <i>Nature Communications</i> , 2020, 11, 275.	12.8	41
67	Strong Electrical Manipulation of Spin-Orbit Torque in Ferromagnetic Heterostructures. <i>Advanced Electronic Materials</i> , 2016, 2, 1600219.	5.1	37
68	Time Resolved Measurements of the Switching Trajectory of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Pt} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Co} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Elements Induced by Spin-Orbit Torques. <i>Physical Review Letters</i> , 2017, 118, 257201.	7.8	37
69	Modulating metallic conductive filaments via bilayer oxides in resistive switching memory. <i>Applied Physics Letters</i> , 2019, 114, 193502.	3.3	37
70	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	36
71	Cu-Embedded AlN-Based Nonpolar Nonvolatile Resistive Switching Memory. <i>IEEE Electron Device Letters</i> , 2012, 33, 1711-1713.	3.9	36
72	From Fieldlike Torque to Antidamping Torque in Antiferromagnetic $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Mn} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ . <i>Physical Review Applied</i> , 2019, 11, .	3.8	36

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73	Anti-Ferromagnet Controlled Tunneling Magnetoresistance. <i>Advanced Functional Materials</i> , 2014, 24, 6806-6810.	14.9	35
74	Electrical control of Co/Ni magnetism adjacent to gate oxides with low oxygen ion mobility. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	35
75	Charge Transfer and Orbital Reconstruction in Strain-Engineered (La,Sr)MnO <sub>3</sub> /LaNiO <sub>3</sub> Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17700-17706.	8.0	35
76	Chiral Mesostructured NiO Films with Spin Polarisation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9421-9426.	13.8	35
77	Cluster magnetic octupole induced out-of-plane spin polarization in antiperovskite antiferromagnet. <i>Nature Communications</i> , 2021, 12, 6524.	12.8	34
78	Fully epitaxial (Zn,Co)O <sup>+</sup> •ZnO <sup>+</sup> •(Zn,Co)O junction and its tunnel magnetoresistance. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	33
79	All-electrical detection of spin Hall effect in semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1725-1735.	1.5	32
80	Electric-Field Control of Oxygen Vacancies and Magnetic Phase Transition in a Cobaltite/Manganite Bilayer. <i>Physical Review Applied</i> , 2017, 8, .	3.8	32
81	Robust Interfacial Exchange Bias and Metal-Insulator Transition Influenced by the LaNiO <sub>3</sub> Layer Thickness in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /LaNiO <sub>3</sub> Superlattices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3156-3160.	8.0	31
82	Spintronic materials and devices based on antiferromagnetic metals. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 208-216.	4.4	31
83	Resistive switching with self-rectifying behavior in Cu/SiO <sub>x</sub> /Si structure fabricated by plasma-oxidation. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	30
84	Realization of the Meminductor. <i>ACS Nano</i> , 2014, 8, 10043-10047.	14.6	30
85	Oxygen-Valve Formed in Cobaltite-Based Heterostructures by Ionic Liquid and Ferroelectric Dual-Gating. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19584-19595.	8.0	30
86	Grain Size-Dependent Mechanical Properties of a High-Manganese Austenitic Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 746-754.	2.9	30
87	Electrochemical control of the phase transition of ultrathin FeRh films. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	27
88	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.	4.4	26
89	Tailoring the Hybrid Anomalous Hall Response in Engineered Magnetic Topological Insulator Heterostructures. <i>Nano Letters</i> , 2020, 20, 1731-1737.	9.1	26
90	Room temperature ferromagnetism and ferroelectricity in cobalt-doped LiNbO <sub>3</sub> film. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	25

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91	The role of rotatable anisotropy in the asymmetric magnetization reversal of exchange biased NiO/Ni bilayers. Journal of Applied Physics, 2009, 106, 013902.	2.5	25
92	Influence of film composition on the transition temperature of FeRh films. Journal of Crystal Growth, 2016, 438, 19-24.	1.5	25
93	Orientation-dependent THz emission in non-collinear antiferromagnetic Mn <sub>3</sub> Sn and Mn <sub>3</sub> Sn-based heterostructures. Applied Physics Letters, 2019, 115, .	3.3	25
94	Quantum anomalous Hall insulator state in ferromagnetically ordered $\langle \text{Mn} \rangle_{\text{Bj}} \langle \text{Mn} \rangle_{\text{V}} \langle \text{Mn} \rangle_{\text{Bi}} \langle \text{Mn} \rangle_{\text{Te}}$ heterostructures. Physical Review B, 2020, 102, .	3.3	25
95	Electrical control of magnetism in oxides. Chinese Physics B, 2016, 25, 067502.	1.4	24
96	Contributions of magnetic properties in epitaxial copper-doped ZnO. Physical Chemistry Chemical Physics, 2013, 15, 13153.	2.8	23
97	Evidence for asymmetric rotation of spins in antiferromagnetic exchange-spring. New Journal of Physics, 2014, 16, 123032.	2.9	23
98	Realisation of all 16 Boolean logic functions in a single magnetoresistance memory cell. Nanoscale, 2016, 8, 12819-12825.	5.6	23
99	Lateral transport properties of thermally excited magnons in yttrium iron garnet films. Applied Physics Letters, 2017, 110, .	3.3	22
100	Temperature-dependent transport properties of FeRh. Physical Review B, 2017, 95, .	3.2	22
101	Size-dependent anomalous Hall effect in noncollinear antiferromagnetic Mn <sub>3</sub> Sn films. Applied Physics Letters, 2020, 117, .	3.3	22
102	Emerging opportunities for voltage-driven magneto-ionic control in ferroic heterostructures. APL Materials, 2021, 9, .	5.1	22
103	Observation of negative capacitance in antiferroelectric PbZrO <sub>3</sub> Films. Nature Communications, 2021, 12, 4215.	12.8	22
104	Over GHz bandwidth SAW filter based on 32Å° Y-X LN/SiO <sub>2</sub> /poly-Si/Si heterostructure with multilayer electrode modulation. Applied Physics Letters, 2022, 120, .	3.3	22
105	Interlayer magnetostatic coupling and linear magnetoresistance in [Pd/Co]/MgO/Co junction sensor. Applied Physics Letters, 2012, 101, 062404.	3.3	21
106	High-frequency V-doped ZnO/SiC surface acoustic wave devices with enhanced electromechanical coupling coefficient. Applied Physics Letters, 2019, 114, .	3.3	21
107	Room temperature anomalous Hall effect in antiferromagnetic Mn <sub>3</sub> SnN films. Applied Physics Letters, 2020, 117, .	3.3	20
108	Tuning the training effect in exchange biased NiO•Ni bilayers. Applied Physics Letters, 2008, 92, 243113.	3.3	19



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109	Unipolar resistive switching with forming-free and self-rectifying effects in Cu/HfO <sub>2</sub> /n-Si devices. AIP Advances, 2016, 6, .	1.3	19
110	Room temperature spontaneous exchange bias in (La,Sr)MnO <sub>3</sub> /PbZr <sub>0.8</sub> Ti <sub>0.2</sub> O <sub>3</sub> /(La,Sr)MnO <sub>3</sub> sandwich structure. Journal of Applied Physics, 2013, 114, .	2.5	18
111	Facile access to shape-controlled growth of WS <sub>2</sub> monolayer via environment-friendly method. 2D Materials, 2019, 6, 015007.	4.4	18
112	Functional antiferromagnets for potential applications on high-density storage and high frequency. Journal of Applied Physics, 2020, 128, .	2.5	18
113	Control of spin-orbit torques through magnetic symmetry in differently oriented noncollinear antiferromagnetic $\text{Mn}_3\text{O}_3$ . Physical Review B, 2021, 104, .	3.2	18
114	Noble-Metal-Assisted Fast Interfacial Oxygen Migration with Topotactic Phase Transition in Perovskite Oxides. Advanced Functional Materials, 2021, 31, 2106765.	14.9	18
115	Enhanced Performance of ZnO/SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Surface Acoustic Wave Devices with Embedded Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 42378-42385.	8.0	17
116	Resistive switching behaviour of a tantalum oxide nanolayer fabricated by plasma oxidation. Physica Status Solidi - Rapid Research Letters, 2013, 7, 282-284.	2.4	16
117	Tilt engineering of exchange coupling at G-type SrMnO <sub>3</sub> /(La,Sr)MnO <sub>3</sub> interfaces. Scientific Reports, 2015, 5, 16187.	3.3	16
118	Insight into the antiferromagnetic structure manipulated by electronic reconstruction. Physical Review B, 2016, 94, .	3.2	16
119	Manipulating the metal-to-insulator transition of NdNiO <sub>3</sub> films by orbital polarization. Physical Review B, 2016, 93, .	3.2	16
120	Dibenzylammonium trichloroacetate: an above-room-temperature order-disorder switchable dielectric material. CrystEngComm, 2016, 18, 3606-3611.	2.6	16
121	Transparent magnetic semiconductor with embedded metallic glass nano-granules. Materials and Design, 2017, 132, 208-214.	7.0	16
122	3D Layout of Interdigital Transducers for High Frequency Surface Acoustic Wave Devices. IEEE Access, 2020, 8, 123262-123271.	4.2	16
123	Interfacial Control of Ferromagnetism in Ultrathin SrRuO <sub>3</sub> Films Sandwiched between Ferroelectric BaTiO <sub>3</sub> Layers. ACS Applied Materials & Interfaces, 2020, 12, 6707-6715.	8.0	16
124	Controllable Generation of Antiferromagnetic Skyrmions in Synthetic Antiferromagnets with Thermal Effect. Advanced Functional Materials, 2022, 32, .	14.9	16
125	High Chern number quantum anomalous Hall effect tunable by stacking order in van der Waals topological insulators. Physical Review B, 2022, 105, .	3.2	16
126	Highly Efficient Electric-Field Control of Giant Rashba Spin-Orbit Coupling in Lattice-Matched InSb/CdTe Heterostructures. ACS Nano, 2020, 14, 17396-17404.	14.6	15



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127	Systematical Study of the Basic Properties of Surface Acoustic Wave Devices Based on ZnO and GaN Multilayers. Electronics (Switzerland), 2021, 10, 23.	3.1	15
128	An overview of SrRuO <sub>3</sub> -based heterostructures for spintronic and topological phenomena. Journal Physics D: Applied Physics, 2022, 55, 233001.	2.8	15
129	Enhanced SAW characteristics of a-plane AlN epitaxial films using ZnO buffer layer. Journal of Materials Science: Materials in Electronics, 2018, 29, 3912-3919.	2.2	14
130	Current-Induced In-Plane Magnetization Switching in a Biaxial Ferrimagnetic Insulator. Physical Review Applied, 2020, 13, .	3.8	14
131	Efficient orbital torque in polycrystalline $\text{O}_3$ ferromagnetic stacks: Theory and experiment. Physical Review B, 2022, 105, .	3.2	14
132	Manipulation of orbital occupancy by ferroelectric polarization in LaNiO <sub>3</sub> /BaTiO <sub>3</sub> heterostructures. Applied Physics Letters, 2015, 107, .	3.3	13
133	Thermodynamic Phase Transition Triggered by Distinct Distortion and Ordering of Dipropylammonium Picrate. Chemistry - an Asian Journal, 2015, 10, 247-251.	3.3	13
134	Microstructure and interfacial strength of SiC fiber-reinforced Ti17 alloy composites with different consolidation temperatures. Rare Metals, 2018, 37, 759-768.	7.1	13
135	Controllable oxygen vacancies, orbital occupancy and magnetic ordering in SrCoO <sub>3</sub> films. Journal of Magnetism and Magnetic Materials, 2018, 454, 228-236.	2.3	13
136	Orientation control of oxygen vacancy channels in brownmillerite $\text{SrFe}_2\text{O}_7$ . Physical Review Materials, 2020, 4, .	2.4	13
137	Interface-Enhanced Ferromagnetism with Long-Distance Effect in van der Waals Semiconductor. Advanced Functional Materials, 2022, 32, 2108953.	14.9	13
138	Implementation of Highly Reliable and Energy-Efficient Nonvolatile In-Memory Computing using Multistate Domain Wall Spin-Orbit Torque Device. Advanced Intelligent Systems, 2022, 4, .	6.1	13
139	Reply to "Comment on "Dynamic Processes of Resistive Switching in Metallic Filament-Based Organic Memory Devices". Journal of Physical Chemistry C, 2013, 117, 11881-11882.	3.1	12
140	Metal-insulator-metal transition in NdNiO <sub>3</sub> films capped by CoFe <sub>2</sub> O <sub>4</sub> . Applied Physics Letters, 2017, 110, .	3.3	12
141	Photon-Gated Spin Transistor. Advanced Materials, 2017, 29, 1604052.	21.0	12
142	Characteristics of one-port surface acoustic wave resonator fabricated on ZnO/6H-SiC layered structure. Journal Physics D: Applied Physics, 2018, 51, 145305.	2.8	12
143	Magnetic Proximity Effect and Anomalous Hall Effect in $\text{Pt}/\text{Y}_3\text{Fe}_5\text{O}_{12}$ . Physical Review Applied, 2018, 10, .	3.8	12
144	Magnetic field direction dependent magnetization reversal in synthetic antiferromagnets. Applied Physics Letters, 2019, 115, .	3.3	12

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145	High-frequency and high-temperature stable surface acoustic wave devices on ZnO/SiO <sub>2</sub> /SiC structure. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 305102.	2.8	12
146	Temperature dependence of spin-orbit torque-driven magnetization switching in <i>in situ</i> grown Bi <sub>2</sub> Te <sub>3</sub> /MnTe heterostructures. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	12
147	Improved resistive switching stability of Pt/ZnO/CoO x /ZnO/Pt structure for nonvolatile memory devices. <i>Rare Metals</i> , 2013, 32, 544-549.	7.1	11
148	Completely inverted hysteresis loops: Inhomogeneity effects or experimental artifacts. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	11
149	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.	1.3	11
150	Anomalous voltage dependence of tunnel magnetoresistance in (Zn, Co)O-based junction with double barrier. <i>Applied Physics Letters</i> , 2007, 91, 172109.	3.3	10
151	Crystal structure, spectroscopic studies and non-linear optical properties of 2-amino-3-nitropyridinium trichloroacetate. <i>Crystal Research and Technology</i> , 2015, 50, 866-872.	1.3	10
152	Optical control of magnetism in manganite films. <i>Physical Review B</i> , 2016, 93, .	3.2	10
153	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.	5.5	10
154	Improved resistance to electromigration and acoustomigration of Al interdigital transducers by Ni underlayer. <i>Rare Metals</i> , 2018, 37, 823-830.	7.1	10
155	Tunable spin-orbit torque switching in antiferromagnetically coupled CoFeB/Ta/CoFeB. <i>Applied Physics Letters</i> , 2020, 117, 212403.	3.3	10
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