

Fei Zeng

List of Publications by Year in descending order

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159
papers

8,447
citations

53660

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times ranked

7934
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.	14.8	1,160
2	Fully Room-Temperature-Fabricated Nonvolatile Resistive Memory for Ultrafast and High-Density Memory Application. <i>Nano Letters</i> , 2009, 9, 1636-1643.	4.5	805
3	Ferromagnetism and possible application in spintronics of transition-metal-doped ZnO films. <i>Materials Science and Engineering Reports</i> , 2008, 62, 1-35.	14.8	616
4	Resistive Switching and Magnetic Modulation in Cobalt-Doped ZnO. <i>Advanced Materials</i> , 2012, 24, 3515-3520.	11.1	252
5	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.	2.7	237
6	Giant magnetic moment in an anomalous ferromagnetic insulator: Co-doped ZnO. <i>Physical Review B</i> , 2006, 73, .	1.1	225
7	Nonvolatile resistive switching memories-characteristics, mechanisms and challenges. <i>Progress in Natural Science: Materials International</i> , 2010, 20, 1-15.	1.8	194
8	Dynamic Processes of Resistive Switching in Metallic Filament-Based Organic Memory Devices. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17955-17959.	1.5	190
9	Giant piezoelectric d ₃₃ coefficient in ferroelectric vanadium doped ZnO films. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	168
10	Adaptive Crystallite Kinetics in Homogenous Bilayer Oxide Memristor for Emulating Diverse Synaptic Plasticity. <i>Advanced Functional Materials</i> , 2018, 28, 1706927.	7.8	140
11	Bipolar resistive switching in Cu/AlN/Pt nonvolatile memory device. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	131
12	Correlation of oxygen vacancy variations to band gap changes in epitaxial ZnO thin films. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	125
13	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.	1.5	115
14	Bipolar resistive switching with self-rectifying effects in Al/ZnO/Si structure. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	112
15	Guiding the Growth of a Conductive Filament by Nanoindentation To Improve Resistive Switching. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34064-34070.	4.0	106
16	Electrical Manipulation of Orbital Occupancy and Magnetic Anisotropy in Manganites. <i>Advanced Functional Materials</i> , 2015, 25, 864-870.	7.8	105
17	Oxygen migration induced resistive switching effect and its thermal stability in W/TaO _x /Pt structure. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	103
18	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, 512-518.	5.3	99

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19	Resistive Switching Induced by Metallic Filaments Formation through Poly(3,4-ethylene-dioxythiophene):Poly(styrenesulfonate). ACS Applied Materials & Interfaces, 2012, 4, 447-453.	4.0	98
20	Electrical Control of the Exchange Spring in Antiferromagnetic Metals. Advanced Materials, 2015, 27, 3196-3201.	11.1	98
21	Forming-free and self-rectifying resistive switching of the simple Pt/TaO _x /n-Si structure for access device-free high-density memory application. Nanoscale, 2015, 7, 6031-6038.	2.8	97
22	Enhanced electromechanical response of Fe-doped ZnO films by modulating the chemical state and ionic size of the Fe dopant. Physical Review B, 2010, 82, .	1.1	94
23	Formation process of conducting filament in planar organic resistive memory. Applied Physics Letters, 2013, 102, .	1.5	89
24	Conductance quantization in a Ag filament-based polymer resistive memory. Nanotechnology, 2013, 24, 335201.	1.3	86
25	Influence of sputtering parameters on structures and residual stress of AlN films deposited by DC reactive magnetron sputtering at room temperature. Journal of Crystal Growth, 2013, 363, 80-85.	0.7	86
26	Cr-substitution-induced ferroelectric and improved piezoelectric properties of Zn _{1-x} CrxO films. Journal of Applied Physics, 2008, 103, .	1.1	85
27	Resistive switching and conductance quantization in Ag/SiO ₂ /indium tin oxide resistive memories. Applied Physics Letters, 2014, 105, .	1.5	85
28	Implementation of Complete Boolean Logic Functions in Single Complementary Resistive Switch. Scientific Reports, 2015, 5, 15467.	1.6	84
29	Magnetoelectric Coupling Induced by Interfacial Orbital Reconstruction. Advanced Materials, 2015, 27, 6651-6656.	11.1	81
30	Switching mechanism transition induced by annealing treatment in nonvolatile Cu/ZnO/Cu/ZnO/Pt resistive memory: From carrier trapping/detrapping to electrochemical metallization. Journal of Applied Physics, 2009, 106, .	1.1	76
31	Reversible Ferromagnetic Phase Transition in Electrode-gated Manganites. Advanced Functional Materials, 2014, 24, 7233-7240.	7.8	76
32	Wideband and Low-Loss Surface Acoustic Wave Filter Based on 15° YX-LiNbO ₃ /SiO ₂ /Si Structure. IEEE Electron Device Letters, 2021, 42, 438-441.	2.2	73
33	Superparaelectric (Ba _{0.95} ,Sr _{0.05})(Zr _{0.2} ,Ti _{0.8})O ₃ Ultracapacitors. Advanced Energy Materials, 2020, 10, 2001778.	10.2	69
34	Improving Unipolar Resistive Switching Uniformity with Cone-Shaped Conducting Filaments and Its Logic-In-Memory Application. ACS Applied Materials & Interfaces, 2018, 10, 6453-6462.	4.0	68
35	High-Performance Surface Acoustic Wave Devices Using LiNbO ₃ /SiO ₂ /SiC Multilayered Substrates. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3693-3705.	2.9	67
36	Programmable complementary resistive switching behaviours of a plasma-oxidised titanium oxide nanolayer. Nanoscale, 2013, 5, 422-428.	2.8	66

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37	Room temperature multiferroic behavior of Cr-doped ZnO films. Journal of Applied Physics, 2008, 104, 064102.	1.1	60
38	Oxygen vacancy effect on room-temperature ferromagnetism of rutile Co:TiO ₂ thin films. Applied Physics Letters, 2009, 94, .	1.5	57
39	Performance-enhancing Selector via Symmetrical Multilayer Design. Advanced Functional Materials, 2019, 29, 1808376.	7.8	56
40	Reproducible and controllable organic resistive memory based on Al/poly(3,4-ethylene-dioxythiophene):poly(styrenesulfonate)/Al structure. Applied Physics Letters, 2010, 97, 253301.	1.5	54
41	Learning processes modulated by the interface effects in a Ti/conducting polymer/Ti resistive switching cell. RSC Advances, 2014, 4, 14822.	1.7	53
42	Manipulation of Electric Field Effect by Orbital Switch. Advanced Functional Materials, 2016, 26, 753-759.	7.8	49
43	Tuning the entanglement between orbital reconstruction and charge transfer at a film surface. Scientific Reports, 2014, 4, 4206.	1.6	47
44	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. Physical Chemistry Chemical Physics, 2015, 17, 12849-12856.	1.3	47
45	High-Frequency Surface Acoustic Wave Devices Based on ZnO/SiC Layered Structure. IEEE Electron Device Letters, 2019, 40, 103-106.	2.2	45
46	Local Co structure and ferromagnetism in ion-implanted Co-doped LiNbO ₃ . Physical Review B, 2006, 73, .	1.1	43
47	Strain-induced ferromagnetism enhancement in Co:ZnO films. Journal of Applied Physics, 2008, 103, .	1.1	43
48	Filtering performance improvement in V-doped ZnO/diamond surface acoustic wave filters. Applied Surface Science, 2010, 256, 3081-3085.	3.1	43
49	Design of a Controllable Redox-diffusive Threshold Switching Memristor. Advanced Electronic Materials, 2020, 6, 2000695.	2.6	43
50	Multilevel resistance switching in Cu/TaOx/Pt structures induced by a coupled mechanism. Journal of Applied Physics, 2010, 107, 093701.	1.1	41
51	Enhancement of piezoelectric response of diluted Ta doped AlN. Applied Surface Science, 2013, 270, 225-230.	3.1	41
52	Influence of Cr-doping on microstructure and piezoelectric response of AlN films. Journal Physics D: Applied Physics, 2009, 42, 235406.	1.3	39
53	Ferroelectric Polymer Nanostructures: Fabrication, Structural Characteristics and Performance Under Confinement. Journal of Nanoscience and Nanotechnology, 2014, 14, 2086-2100.	0.9	39
54	Quality-enhanced AlN epitaxial films grown on c-sapphire using ZnO buffer layer for SAW applications. Applied Surface Science, 2017, 402, 392-399.	3.1	37

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55	Modulating metallic conductive filaments via bilayer oxides in resistive switching memory. Applied Physics Letters, 2019, 114, 193502.	1.5	37
56	Enhancement of electrical and ferromagnetic properties by additional Al doping in Co:ZnO thin films. Journal of Physics Condensed Matter, 2007, 19, 296208.	0.7	36
57	Anti-Ferromagnet Controlled Tunneling Magnetoresistance. Advanced Functional Materials, 2014, 24, 6806-6810.	7.8	35
58	A Green Route to a Low Cost Anisotropic MoS ₂ /Poly(Vinylidene Fluoride) Nanocomposite with Ultrahigh Electroactive Phase and Improved Electrical and Mechanical Properties. ACS Sustainable Chemistry and Engineering, 2018, 6, 5043-5052.	3.2	35
59	Fully epitaxial (Zn,Co)O ⁺ ZnO ⁺ (Zn,Co)O junction and its tunnel magnetoresistance. Applied Physics Letters, 2007, 91, .	1.5	33
60	Emulation of Learning and Memory Behaviors by Memristor Based on Ag Migration on 2D MoS ₂ Surface. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900104.	0.8	33
61	Interplay between chemical state, electric properties, and ferromagnetism in Fe-doped ZnO films. Journal of Applied Physics, 2013, 113, .	1.1	31
62	Resistive switching with self-rectifying behavior in Cu/SiO _x /Si structure fabricated by plasma-oxidation. Journal of Applied Physics, 2013, 113, .	1.1	30
63	Hydrogel-Based Fluorescent Dual pH and Oxygen Sensors Loaded in 96-Well Plates for High-Throughput Cell Metabolism Studies. Sensors, 2018, 18, 564.	2.1	30
64	Nanoindentation investigation of the mechanical behaviors of nanoscale Ag/Cu multilayers. Journal of Materials Research, 2007, 22, 3423-3431.	1.2	29
65	Development of a neuromorphic computing system. , 2015, , .		28
66	Giant piezoresponse and promising application of environmental friendly small-ion-doped ZnO. Science China Technological Sciences, 2012, 55, 421-436.	2.0	27
67	Room temperature ferromagnetism and ferroelectricity in cobalt-doped LiNbO ₃ film. Applied Physics Letters, 2008, 92, .	1.5	25
68	The role of rotatable anisotropy in the asymmetric magnetization reversal of exchange biased NiO/Ni bilayers. Journal of Applied Physics, 2009, 106, 013902.	1.1	25
69	Frequency-dependent learning achieved using semiconducting polymer/electrolyte composite cells. Nanoscale, 2015, 7, 16880-16889.	2.8	25
70	Phase-change nanoclusters embedded in a memristor for simulating synaptic learning. Nanoscale, 2019, 11, 5684-5692.	2.8	25
71	Enhancement of room temperature ferromagnetism in Cu-doped AlN thin film by defect engineering. Journal of Alloys and Compounds, 2014, 586, 469-474.	2.8	24
72	Over GHz bandwidth SAW filter based on 32Å° Y-X LN/SiO ₂ /poly-Si/Si heterostructure with multilayer electrode modulation. Applied Physics Letters, 2022, 120, .	1.5	22

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73	Grain boundary defects-mediated room temperature ferromagnetism in Co-doped ZnO film. Journal of Alloys and Compounds, 2009, 482, 224-228.	2.8	21
74	Modulating resistive switching by diluted additive of poly(vinylpyrrolidone) in poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate). Journal of Applied Physics, 2011, 110, .	1.1	21
75	Frequency Selectivity in Pulse Responses of Pt/Poly(3-Hexylthiophene-2,5-Diyl)/Polyethylene Oxide + Li+/Pt Hetero-Junction. PLoS ONE, 2014, 9, e108316.	1.1	21
76	High-frequency V-doped ZnO/SiC surface acoustic wave devices with enhanced electromechanical coupling coefficient. Applied Physics Letters, 2019, 114, .	1.5	21
77	Tuning the training effect in exchange biased NiO ^{δ+} /Ni bilayers. Applied Physics Letters, 2008, 92, 243113.	1.5	19
78	Unipolar resistive switching with forming-free and self-rectifying effects in Cu/HfO ₂ /n-Si devices. AIP Advances, 2016, 6, .	0.6	19
79	Nanoindentation study of amorphous-Co ₇₉ Zr ₁₃ Nb ₈ /Cr multilayers. Surface and Coatings Technology, 2008, 202, 3239-3245.	2.2	18
80	Enhanced Performance of ZnO/SiO ₂ /Al ₂ O ₃ Surface Acoustic Wave Devices with Embedded Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 42378-42385.	4.0	17
81	Room Temperature Ferromagnetism in Cobalt-Doped LiNbO ₃ Single Crystalline Films. Crystal Growth and Design, 2009, 9, 1235-1239.	1.4	16
82	Resistive switching behaviour of a tantalum oxide nanolayer fabricated by plasma oxidation. Physica Status Solidi - Rapid Research Letters, 2013, 7, 282-284.	1.2	16
83	3D Layout of Interdigital Transducers for High Frequency Surface Acoustic Wave Devices. IEEE Access, 2020, 8, 123262-123271.	2.6	16
84	Enhanced spin injection and voltage bias in (Zn,Co)O/MgO/(Zn,Co)O magnetic tunnel junctions. Applied Physics Letters, 2009, 95, .	1.5	15
85	Systematical Study of the Basic Properties of Surface Acoustic Wave Devices Based on ZnO and GaN Multilayers. Electronics (Switzerland), 2021, 10, 23.	1.8	15
86	Controlling Ion Conductance and Channels to Achieve Synaptic-like Frequency Selectivity. Nano-Micro Letters, 2015, 7, 121-126.	14.4	14
87	Enhanced SAW characteristics of a-plane AlN epitaxial films using ZnO buffer layer. Journal of Materials Science: Materials in Electronics, 2018, 29, 3912-3919.	1.1	14
88	Self-Modulating Interfacial Cation Migration Induced Threshold Switching in Bilayer Oxide Memristive Device. Journal of Physical Chemistry C, 2019, 123, 878-885.	1.5	14
89	Simulation of synaptic short-term plasticity using Ba(CF ₃ SO ₃) ₂ -doped polyethylene oxide electrolyte film. Scientific Reports, 2016, 6, 18915.	1.6	13
90	Strong d ⁴ electron interaction inducing ferromagnetism in Mn-doped LiNbO ₃ . Thin Solid Films, 2011, 520, 764-768.	0.8	12

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91	Effects of Mn-doping on surface acoustic wave properties of ZnO films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 436-438.	1.2	12
92	Reply to "Comment on "Dynamic Processes of Resistive Switching in Metallic Filament-Based Organic Memory Devices". <i>Journal of Physical Chemistry C</i> , 2013, 117, 11881-11882.	1.5	12
93	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.	1.3	12
94	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.	1.3	12
95	Interlayer magnetostatic coupling induced Co layer coercivity enhancement and exchange bias in [Pd/Co]/Cu/Co spin valves. <i>Applied Physics Letters</i> , 2009, 95, 172512.	1.5	11
96	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.	0.6	11
97	Ion beam induced growth of amorphous alloy films in the Co-Nb system during ion beam assisted deposition. <i>Journal of Alloys and Compounds</i> , 2002, 335, 181-187.	2.8	10
98	Anomalous voltage dependence of tunnel magnetoresistance in (Zn, Co)O-based junction with double barrier. <i>Applied Physics Letters</i> , 2007, 91, 172109.	1.5	10
99	Influence of strain and grain boundary variations on magnetism of Cr-doped AlN films. <i>Journal of Applied Physics</i> , 2009, 106, 073907.	1.1	10
100	Hysteretic giant magnetoresistance curves induced by interlayer magnetostatic coupling in [Pd/Co]/Cu/Co/Cu/[Co/Pd] dual spin valves. <i>Journal of Applied Physics</i> , 2010, 107, 083902.	1.1	10
101	Growth and Characterization of Polyimide-Supported AlN Films for Flexible Surface Acoustic Wave Devices. <i>Journal of Electronic Materials</i> , 2016, 45, 2702-2709.	1.0	10
102	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.	2.8	10
103	Improved resistance to electromigration and acoustomigration of Al interdigital transducers by Ni underlayer. <i>Rare Metals</i> , 2018, 37, 823-830.	3.6	10
104	Target Controllability of Two-Layer Multiplex Networks Based on Network Flow Theory. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2699-2711.	6.2	10
105	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.	1.3	10
106	SAW Filters With Excellent Temperature Stability and High Power Handling Using LiTaO ₃ /SiC Bonded Wafers. <i>Journal of Microelectromechanical Systems</i> , 2022, 31, 186-193.	1.7	10
107	Microstructure and mechanical properties of polycrystalline-Ag/amorphous-CoZrNb multilayers. <i>Surface and Coatings Technology</i> , 2007, 201, 7932-7938.	2.2	9
108	Influence of the Mn concentration on the electromechanical response of Mn-doped ZnO films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 209-211.	1.2	9

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109	Significant enhancement in electromigration resistance and texture of aluminum films using an ultrathin titanium underlayer. <i>Acta Materialia</i> , 2013, 61, 4619-4624.	3.8	9
110	In situ observation of the nanocrystal growth and their piezoelectric performance change in P(VDF-TrFE) films by hot stage piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2013, 113, 187210.	1.1	9
111	Performance Improvement of Conductive Bridging Random Access Memory by Electrode Alloying. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11438-11443.	1.5	9
112	Near 30% fractional bandwidth surface acoustic wave filters with novel electrode configuration. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 852-857.	1.8	9
113	Effect of carbon doping on microstructure, electronic and magnetic properties of Cr:AlN films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 440-446.	2.8	8
114	Structure and ferromagnetism in vanadium-doped LiNbO ₃ . <i>Journal of Applied Physics</i> , 2012, 112, 033913.	1.1	8
115	A Low-Loss Wideband SAW Filter With Low Drift Using Multilayered Structure. <i>IEEE Electron Device Letters</i> , 2022, 43, 1371-1374.	2.2	8
116	Skew Ion-Bombardment-Induced Microstructure and Magnetic Anisotropy Evolutions in the Immiscible Co-Cu System during Deposition Process. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 6869-6874.	0.8	7
117	Nonvolatile Memory: Performance-Enhancing Selector via Symmetrical Multilayer Design (Adv. Funct. Mater.). <i>Journal of Applied Physics</i> , 2017, 121, 174301.	1.0	7
118	Simulation of temperature compensated waveguiding layer acoustic wave devices. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 075105.	1.3	7
119	A Multilayered Structure for Packageless Acoustic-Wave Devices With Ultra-Small Sizes. <i>Journal of Microelectromechanical Systems</i> , 2021, 30, 589-596.	1.7	7
120	Formation of metastable alloy films in the Ni-Mo binary system by ion-beam-assisted deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 523-528.	1.1	6
121	Insensitivity of tunneling anisotropic magnetoresistance to non-magnetic electrodes. <i>Applied Physics Letters</i> , 2013, 103, 202403.	1.5	6
122	Hierarchical Chunking of Sequential Memory on Neuromorphic Architecture with Reduced Synaptic Plasticity. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 136.	1.2	6
123	Simulation of pulse responses of lithium doped poly ethyleneoxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 831-837.	2.4	6
124	Photo-patterned oxygen sensing films based on Pt porphyrin for controlling cell growth and studying metabolism. <i>RSC Advances</i> , 2019, 9, 924-930.	1.7	6
125	Behavior of Al/Cu/Ti electrodes in surface acoustic wave filter at high power. <i>Current Applied Physics</i> , 2019, 19, 363-369.	1.1	6
126	Optimal Target Control of Complex Networks With Selectable Inputs. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 212-221.	2.4	6

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127	Structure with thin SiO _x /SiN _x bilayer and Al electrodes for high-frequency, large-coupling, and low-cost surface acoustic wave devices. <i>Ultrasonics</i> , 2021, 115, 106460.	2.1	6
128	Microstructures of Nb–Ti alloy films prepared by ion beam assisted deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 357, 365-368.	2.6	5
129	Metastable structure and magnetism of Cr-doped AlN in AlN/TiN multilayers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 62-65.	0.6	5
130	Effect of heavy-ion on frequency selectivity of semiconducting polymer/electrolyte heterojunction. <i>RSC Advances</i> , 2015, 5, 98110-98117.	1.7	5
131	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.	1.6	5
132	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.	1.1	5
133	Spatial summation of the short-term plasticity of a pair of organic heterogeneous junctions. <i>RSC Advances</i> , 2017, 7, 4017-4023.	1.7	5
134	Magnetic Properties of Fe/Ho Multilayers Prepared by Electron-Beam Evaporation. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 084701.	0.7	4
135	Metastable phases in Co–Ag system formed by ion beam assisted deposition at the glancing ion incidence. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 260, 547-552.	0.6	4
136	Tensile properties of Cr inserted amorphous Co ₈₅ Zr ₉ Nb ₆ films deposited on polymer substrate. <i>Journal of Alloys and Compounds</i> , 2009, 477, 239-242.	2.8	4
137	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.	2.8	4
138	Structural and electrical properties of high Curie temperature Aurivillius phase composite ceramics with largely enhanced piezoelectricity. <i>Science China Technological Sciences</i> , 2016, 59, 1048-1053.	2.0	4
139	Thresholds of frequency selectivity of Pt/poly(3-hexylthiophene-2,5-diyl)/polyethylene oxide+Mg ²⁺ /Pt heterojunctions. <i>Solid State Ionics</i> , 2016, 287, 42-47.	1.3	4
140	Towards the minimum-cost control of target nodes in directed networks with linear dynamics. <i>Journal of the Franklin Institute</i> , 2018, 355, 8141-8157.	1.9	4
141	Matrix Function Optimization Problems Under Orthonormal Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 802-814.	5.9	4
142	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.	4.0	4
143	Growth of epitaxial c-plane ZnO film on a-plane sapphire by radio frequency reactive magnetron sputtering. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 587-589.	1.2	3
144	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.	2.4	3

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145	Ultra-Wideband Surface Acoustic Wave Filters Based on the Cu/LiNbO ₃ /SiO ₂ /SiC Structure. , 2021, , .		3
146	Memristive Behaviors Dominated by Reversible Nucleation Dynamics of Phase-Change Nanoclusters. Small, 2022, , 2105070.	5.2	3
147	Soft magnetic properties of amorphous-CoZr/ polycrystalline-M (M=Cu, Ag, Al, Cr) multilayers. Applied Physics A: Materials Science and Processing, 2007, 90, 305-310.	1.1	2
148	Amorphous phase and anisotropy induced by glancing incident ion beams in Co-Nb films. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3545-3551.	0.6	2
149	Correlation between donor defects and ferromagnetism in insulating Sn _{1-x} Co _x O ₂ films. Journal of Applied Physics, 2009, 105, .	1.1	2
150	Ionic Species-Modulated Interfacial Polarization and Frequency Selectivity in Polymer Electrolyte/Semiconductor Heterojunctions. Journal of Physical Chemistry C, 2017, 121, 16629-16636.	1.5	2
151	Implementing a Type of Synaptic Coupling between Excitatory and Inhibitory Cells by Using Pt/Poly(3,4-ethylenedioxythiophene):Polystyrenesulfonate/HfO ₂ /Pt Memristive Structure. Journal of Physical Chemistry C, 2020, 124, 4843-4851.	1.5	2
152	Memristive structure of Nb/HfO _x /Pd with controllable switching mechanisms to perform featured actions in neuromorphic networks. Nano Research, 0, , .	5.8	2
153	Interface diffusion of sputtered CoZrNb films on silicon substrate. Rare Metals, 2006, 25, 36-40.	3.6	1
154	Pulse Responses of the Conducting Polymer Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate)-Based Junctions. Journal of Electronic Materials, 2017, 46, 1849-1854.	1.0	1
155	Modulation of Response Patterns by Loading-Rate-Dependent Interface Polarization and Doping. Journal of Physical Chemistry C, 2018, 122, 981-988.	1.5	1
156	Response to "Comment on "Enhanced spin injection and voltage bias in (Zn,Co)O/MgO/(Zn,Co)O magnetic tunnel junctions" [Appl. Phys. Lett. 96, 116101 (2010)]. Applied Physics Letters, 2010, 96, 116102.	1.5	0
157	Influence of ionic size to the pulse responses of semiconducting polymer/electrolyte hetero-junctions. , 2015, , .		0
158	Excitatory post-synaptic current and synaptic plasticity of semiconducting polymer/electrolyte system. , 2015, , .		0
159	Adaptive Deformation of Ionic Domains in Hydrogel Enforcing Dielectric Coupling for Sensitive Response to Mechanical Stretching. Advanced Intelligent Systems, 2020, 2, 2000016.	3.3	0