

Fei Zeng

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1790047/fei-zeng-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

6,865
citations

40
h-index

80
g-index

161
ext. papers

7,637
ext. citations

5.4
avg, IF

5.86
L-index

#	Paper	IF	Citations
153	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
152	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
151	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
150	Resistive switching and magnetic modulation in cobalt-doped ZnO. <i>Advanced Materials</i> , 2012 , 24, 3515-204	20.4	234
149	Giant magnetic moment in an anomalous ferromagnetic insulator: Co-doped ZnO. <i>Physical Review B</i> , 2006 , 73,	3.3	216
148	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
147	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
146	Nonvolatile resistive switching memories-characteristics, mechanisms and challenges. <i>Progress in Natural Science: Materials International</i> , 2010 , 20, 1-15	3.6	151
145	Giant piezoelectric d33 coefficient in ferroelectric vanadium doped ZnO films. <i>Applied Physics Letters</i> , 2008 , 92, 012907	3.4	147
144	Bipolar resistive switching in Cu/AlN/Pt nonvolatile memory device. <i>Applied Physics Letters</i> , 2010 , 97, 083502	3.4	117
143	Bipolar resistive switching with self-rectifying effects in Al/ZnO/Si structure. <i>Journal of Applied Physics</i> , 2012 , 111, 013702	2.5	93
142	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
141	Adaptive Crystallite Kinetics in Homogenous Bilayer Oxide Memristor for Emulating Diverse Synaptic Plasticity. <i>Advanced Functional Materials</i> , 2018 , 28, 1706927	15.6	90
140	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
139	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
138	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
137	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

136	Electrical Manipulation of Orbital Occupancy and Magnetic Anisotropy in Manganites. <i>Advanced Functional Materials</i> , 2015 , 25, 864-870	15.6	84
135	Electrical control of the exchange spring in antiferromagnetic metals. <i>Advanced Materials</i> , 2015 , 27, 3196-201	7	80
134	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
133	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
132	Formation process of conducting filament in planar organic resistive memory. <i>Applied Physics Letters</i> , 2013 , 102, 141606	3.4	74
131	Conductance quantization in a Ag filament-based polymer resistive memory. <i>Nanotechnology</i> , 2013 , 24, 335201	3.4	71
130	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
129	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
128	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
127	Magnetoelectric Coupling Induced by Interfacial Orbital Reconstruction. <i>Advanced Materials</i> , 2015 , 27, 6651-6	24	69
126	Implementation of Complete Boolean Logic Functions in Single Complementary Resistive Switch. <i>Scientific Reports</i> , 2015 , 5, 15467	4.9	68
125	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
124	Reversible Ferromagnetic Phase Transition in Electrode-Gated Manganites. <i>Advanced Functional Materials</i> , 2014 , 24, 7233-7240	15.6	63
123	Programmable complementary resistive switching behaviours of a plasma-oxidised titanium oxide nanolayer. <i>Nanoscale</i> , 2013 , 5, 422-8	7.7	60
122	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
121	Room temperature multiferroic behavior of Cr-doped ZnO films. <i>Journal of Applied Physics</i> , 2008 , 104, 064102	2.5	57
120	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
119	Oxygen vacancy effect on room-temperature ferromagnetism of rutile Co:TiO ₂ thin films. <i>Applied Physics Letters</i> , 2009 , 94, 042508	3.4	51

118	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
117	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
116	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
115	Tuning the entanglement between orbital reconstruction and charge transfer at a film surface. <i>Scientific Reports</i> , 2014 , 4, 4206	4.9	41
114	Strain-induced ferromagnetism enhancement in Co:ZnO films. <i>Journal of Applied Physics</i> , 2008 , 103, 093914	15.6	41
113	Local Co structure and ferromagnetism in ion-implanted Co-doped LiNbO ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	40
112	Manipulation of Electric Field Effect by Orbital Switch. <i>Advanced Functional Materials</i> , 2016 , 26, 753-759	15.6	40
111	Performance-Enhancing Selector via Symmetrical Multilayer Design. <i>Advanced Functional Materials</i> , 2019 , 29, 1808376	15.6	38
110	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
109	Filtering performance improvement in V-doped ZnO/diamond surface acoustic wave filters. <i>Applied Surface Science</i> , 2010 , 256, 3081-3085	6.7	35
108	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
107	Enhancement of piezoelectric response of diluted Ta doped AlN. <i>Applied Surface Science</i> , 2013 , 270, 2256-230	6.3	32
106	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
105	Ferroelectric polymer nanostructures: fabrication, structural characteristics and performance under confinement. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2086-100	1.3	31
104	Influence of Cr-doping on microstructure and piezoelectric response of AlN films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 235406	3	31
103	A Green Route to a Low Cost Anisotropic MoS ₂ /Poly(Vinylidene Fluoride) Nanocomposite with Ultrahigh Electroactive Phase and Improved Electrical and Mechanical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5043-5052	8.3	28
102	Resistive switching with self-rectifying behavior in Cu/SiOx/Si structure fabricated by plasma-oxidation. <i>Journal of Applied Physics</i> , 2013 , 113, 244502	2.5	28
101	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

100	Anti-Ferromagnet Controlled Tunneling Magnetoresistance. <i>Advanced Functional Materials</i> , 2014 , 24, 6806-6810	15.6	27
99	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
98	Nanoindentation investigation of the mechanical behaviors of nanoscale Ag/Cu multilayers. <i>Journal of Materials Research</i> , 2007 , 22, 3423-3431	2.5	26
97	Modulating metallic conductive filaments via bilayer oxides in resistive switching memory. <i>Applied Physics Letters</i> , 2019 , 114, 193502	3.4	25
96	Frequency-dependent learning achieved using semiconducting polymer/electrolyte composite cells. <i>Nanoscale</i> , 2015 , 7, 16880-9	7.7	25
95	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
94	Superparaelectric (Ba _{0.95} ,Sr _{0.05})(Zr _{0.2} ,Ti _{0.8})O ₃ Ultracapacitors. <i>Advanced Energy Materials</i> , 2020 , 10, 2001778	21.8	24
93	Emulation of Learning and Memory Behaviors by Memristor Based on Ag Migration on 2D MoS ₂ Surface. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900104	1.6	22
92	Design of a Controllable Redox-Diffusive Threshold Switching Memristor. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000695	6.4	22
91	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
90	Room temperature ferromagnetism and ferroelectricity in cobalt-doped LiNbO ₃ film. <i>Applied Physics Letters</i> , 2008 , 92, 262901	3.4	21
89	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
88	Hydrogel-Based Fluorescent Dual pH and Oxygen Sensors Loaded in 96-Well Plates for High-Throughput Cell Metabolism Studies. <i>Sensors</i> , 2018 , 18,	3.8	21
87	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
86	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
85	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
84	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
83	Phase-change nanoclusters embedded in a memristor for simulating synaptic learning. <i>Nanoscale</i> , 2019 , 11, 5684-5692	7.7	17

82	Tuning the training effect in exchange biased NiO/Ni bilayers. <i>Applied Physics Letters</i> , 2008 , 92, 243113	3.4	17
81	Nanoindentation study of amorphous-Co79Zr13Nb8/Cr multilayers. <i>Surface and Coatings Technology</i> , 2008 , 202, 3239-3245	4.4	17
80	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
79	Unipolar resistive switching with forming-free and self-rectifying effects in Cu/HfO2/n-Si devices. <i>AIP Advances</i> , 2016 , 6, 025007	1.5	16
78	Development of a neuromorphic computing system 2015 ,		15
77	Resistive switching behaviour of a tantalum oxide nanolayer fabricated by plasma oxidation. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013 , 7, 282-284	2.5	15
76	Enhanced spin injection and voltage bias in (Zn,Co)O/MgO/(Zn,Co)O magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2009 , 95, 232508	3.4	15
75	Modulating resistive switching by diluted additive of poly(vinylpyrrolidone) in poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate). <i>Journal of Applied Physics</i> , 2011 , 110, 114518	2.5	15
74	Room Temperature Ferromagnetism in Cobalt-Doped LiNbO3 Single Crystalline Films. <i>Crystal Growth and Design</i> , 2009 , 9, 1235-1239	3.5	14
73	Controlling Ion Conductance and Channels to Achieve Synaptic-like Frequency Selectivity. <i>Nano-Micro Letters</i> , 2015 , 7, 121-126	19.5	12
72	Simulation of synaptic short-term plasticity using Ba(CF3SO3)2-doped polyethylene oxide electrolyte film. <i>Scientific Reports</i> , 2016 , 6, 18915	4.9	12
71	Effects of Mn-doping on surface acoustic wave properties of ZnO films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012 , 6, 436-438	2.5	11
70	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	3.8	11
69	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	3.4	10
68	Anomalous voltage dependence of tunnel magnetoresistance in (Zn, Co)O-based junction with double barrier. <i>Applied Physics Letters</i> , 2007 , 91, 172109	3.4	10
67	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	5.7	10
66	High-Performance Surface Acoustic Wave Devices Using LiNbO3/SiO2/SiC Multilayered Substrates. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3693-3705	4.1	10
65	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

64	Influence of strain and grain boundary variations on magnetism of Cr-doped AlN films. <i>Journal of Applied Physics</i> , 2009 , 106, 073907	2.5	9
63	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
62	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	2.5	8
61	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	5.7	8
60	Strong d π electron interaction inducing ferromagnetism in Mn-doped LiNbO ₃ . <i>Thin Solid Films</i> , 2011 , 520, 764-768	2.2	8
59	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	2.5	8
58	Influence of the Mn concentration on the electromechanical response d ₃₃ of Mn-doped ZnO films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010 , 4, 209-211	2.5	8
57	Microstructure and mechanical properties of polycrystalline-Ag/amorphous-CoZrNb multilayers. <i>Surface and Coatings Technology</i> , 2007 , 201, 7932-7938	4.4	8
56	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
55	3D Layout of Interdigital Transducers for High Frequency Surface Acoustic Wave Devices. <i>IEEE Access</i> , 2020 , 8, 123262-123271	3.5	8
54	Improved resistance to electromigration and acoustomigration of Al interdigital transducers by Ni underlayer. <i>Rare Metals</i> , 2018 , 37, 823-830	5.5	7
53	Significant enhancement in electromigration resistance and texture of aluminum films using an ultrathin titanium underlayer. <i>Acta Materialia</i> , 2013 , 61, 4619-4624	8.4	7
52	Structure and ferromagnetism in vanadium-doped LiNbO ₃ . <i>Journal of Applied Physics</i> , 2012 , 112, 033913	2.5	7
51	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	1.4	7
50	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
49	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
48	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
47	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

46	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
45	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
44	Insensitivity of tunneling anisotropic magnetoresistance to non-magnetic electrodes. <i>Applied Physics Letters</i> , 2013 , 103, 202403	3.4	6
43	Simulation of pulse responses of lithium salt-doped poly ethyleneoxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 831-837	2.6	6
42	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
41	Spatial summation of the short-term plasticity of a pair of organic heterogeneous junctions. <i>RSC Advances</i> , 2017 , 7, 4017-4023	3.7	5
40	Effect of heavy-ion on frequency selectivity of semiconducting polymer/electrolyte heterojunction. <i>RSC Advances</i> , 2015 , 5, 98110-98117	3.7	5
39	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	1.3	5
38	Microstructures of NbTi alloy films prepared by ion beam assisted deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 357, 365-368	5.3	5
37	Simulation of temperature compensated waveguiding layer acoustic wave devices. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 075105	3	5
36	Photo-patterned oxygen sensing films based on Pt porphyrin for controlling cell growth and studying metabolism.. <i>RSC Advances</i> , 2019 , 9, 924-930	3.7	4
35	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	3.3	4
34	Metastable phases in CoAg 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	1.2	4
33	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	2.6	4
32	Hierarchical Chunking of Sequential Memory on Neuromorphic Architecture with Reduced Synaptic Plasticity. <i>Frontiers in Computational Neuroscience</i> , 2016 , 10, 136	3.5	4
31	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	3.5	4
30	Target Controllability of Two-Layer Multiplex Networks Based on Network Flow Theory. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2699-2711	10.2	4
29	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

28	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
27	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
26	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
25	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	2.5	3
24	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	5.7	3
23	Magnetic Properties of Fe/Ho Multilayers Prepared by Electron-Beam Evaporation. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 084701	1.5	3
22	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
21	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
20	Matrix Function Optimization Problems Under Orthonormal Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 802-814	7.3	3
19	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	4	3
18	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
17	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
16	Correlation between donor defects and ferromagnetism in insulating Sn _{1-x} CoxO ₂ films. <i>Journal of Applied Physics</i> , 2009 , 105, 093931	2.5	2
15	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
14	Enhanced Performance of ZnO/SiO ₂ /AlO ₃ Surface Acoustic Wave Devices with Embedded Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42378-42385	9.5	2
13	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
12	Optimal Target Control of Complex Networks With Selectable Inputs. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 212-221	4	2
11	Structure with thin SiO ₂ /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

10	Pulse Responses of the Conducting Polymer Poly(3,4-ethylenedioxythiophene): Poly(styrenesulfonate)-Based Junctions. <i>Journal of Electronic Materials</i> , 2017 , 46, 1849-1854	1.9	1
9	Modulation of Response Patterns by Loading-Rate-Dependent Interface Polarization and Doping. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 981-988	3.8	1
8	Ionic Species-Modulated Interfacial Polarization and Frequency Selectivity in Polymer Electrolyte/Semiconductor Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16629-16636	3.8	1
7	Soft magnetic properties of amorphous-CoZr/ polycrystalline-M (M = Cu, Ag, Al, Cr) multilayers. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 90, 305-310	2.6	1
6	Amorphous phase and anisotropy induced by glancing incident ion beams in Co/Nb films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 3545-3551	1.2	1
5	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
4	Memristive Behaviors Dominated by Reversible Nucleation Dynamics of Phase-Change Nanoclusters.. <i>Small</i> , 2022 , e2105070	11	0
3	Adaptive Deformation of Ionic Domains in Hydrogel Enforcing Dielectric Coupling for Sensitive Response to Mechanical Stretching. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000016	6	
2	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)]. <i>Applied Physics Letters</i> , 2010 , 96, 116102 ³⁻⁴		
1	Poster: Electronic Structure, Lattice Dynamics, and Transport471-522		