

# Siddheswar Maikap

## List of Publications by Year in descending order

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107  
papers

2,633  
citations

186265

28  
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233421

45  
g-index

109  
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109  
docs citations

109  
times ranked

2406  
citing authors

#	ARTICLE	IF	CITATIONS
1	TaO <sub>x</sub> -based resistive switching memories: prospective and challenges. <i>Nanoscale Research Letters</i> , 2013, 8, 418.	5.7	170
2	Low-Power Switching of Nonvolatile Resistive Memory Using Hafnium Oxide. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 2175-2179.	1.5	157
3	Charge trapping characteristics of atomic-layer-deposited HfO <sub>2</sub> films with Al <sub>2</sub> O <sub>3</sub> as a blocking oxide for high-density non-volatile memory device applications. <i>Semiconductor Science and Technology</i> , 2007, 22, 884-889.	2.0	124
4	Nanocrystals for silicon-based light-emitting and memory devices. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 153001.	2.8	95
5	Excellent resistive memory characteristics and switching mechanism using a Ti nanolayer at the Cu/TaO <sub>x</sub> interface. <i>Nanoscale Research Letters</i> , 2012, 7, 345.	5.7	78
6	Conductive-bridging random access memory: challenges and opportunity for 3D architecture. <i>Nanoscale Research Letters</i> , 2015, 10, 188.	5.7	76
7	Charge storage and photoluminescence characteristics of silicon oxide embedded Ge nanocrystal trilayer structures. <i>Applied Physics Letters</i> , 2004, 84, 1386-1388.	3.3	59
8	Bipolar Resistive Switching Memory Using Cu Metallic Filament in Ge <sub>[sub 0.4]</sub> Se <sub>[sub 0.6]</sub> Solid Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, H159.	2.2	57
9	Ge Outdiffusion Effect on Flicker Noise in Strained-Si nMOSFETs. <i>IEEE Electron Device Letters</i> , 2004, 25, 693-695.	3.9	56
10	Evolution of complementary resistive switching characteristics using IrO <sub>x</sub> /GdO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> /TiN structure. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	54
11	Band offsets and charge storage characteristics of atomic layer deposited high-k HfO <sub>2</sub> ∧TiO <sub>2</sub> multilayers. <i>Applied Physics Letters</i> , 2007, 90, 262901.	3.3	53
12	Formation polarity dependent improved resistive switching memory characteristics using nanoscale (1.3 nm) core-shell IrO <sub>x</sub> nano-dots. <i>Nanoscale Research Letters</i> , 2012, 7, 194.	5.7	48
13	Temperature-Dependent Non-linear Resistive Switching Characteristics and Mechanism Using a New W/WO <sub>3</sub> /WO <sub>x</sub> /W Structure. <i>Nanoscale Research Letters</i> , 2016, 11, 389.	5.7	43
14	Negative voltage modulated multi-level resistive switching by using a Cr/BaTiO <sub>x</sub> /TiN structure and quantum conductance through evidence of H <sub>2</sub> O <sub>2</sub> sensing mechanism. <i>Scientific Reports</i> , 2017, 7, 4735.	3.3	42
15	Electrical and interfacial characteristics of ultrathin ZrO <sub>2</sub> gate dielectrics on strain compensated SiGeC/Si heterostructure. <i>Applied Physics Letters</i> , 2003, 82, 2320-2322.	3.3	41
16	Charge storage characteristics of atomic layer deposited RuO <sub>x</sub> nanocrystals. <i>Applied Physics Letters</i> , 2007, 90, 253108.	3.3	41
17	Resistive switching memory characteristics of Ge/GeO <sub>x</sub> nanowires and evidence of oxygen ion migration. <i>Nanoscale Research Letters</i> , 2013, 8, 220.	5.7	40
18	Self-compliance RRAM characteristics using a novel W/TaO <sub>x</sub> /TiN structure. <i>Nanoscale Research Letters</i> , 2014, 9, 292.	5.7	38

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19	Controlling Resistive Switching by Using an Optimized MoS <sub>2</sub> Interfacial Layer and the Role of Top Electrodes on Ascorbic Acid Sensing in TaO <sub>x</sub> -Based RRAM. <i>Langmuir</i> , 2019, 35, 3897-3906.	3.5	36
20	In Quest of Nonfilamentary Switching: A Synergistic Approach of Dual Nanostructure Engineering to Improve the Variability and Reliability of Resistive Random Access Memory Devices. <i>Advanced Electronic Materials</i> , 2020, 6, 2000209.	5.1	36
21	Improved resistive switching phenomena and mechanism using Cu-Al alloy in a new Cu:AlO <sub>x</sub> /TaO <sub>x</sub> /TiN structure. <i>Journal of Alloys and Compounds</i> , 2015, 637, 517-523.	5.5	35
22	Improved Resistive Switching Memory Characteristics Using Core-Shell IrO <sub>x</sub> Nano-Dots in Al <sub>2</sub> O <sub>3</sub> /WO <sub>x</sub> Bilayer Structure. <i>Journal of the Electrochemical Society</i> , 2011, 159, H177-H182.	2.9	34
23	Bipolar resistive switching memory using bilayer TaO <sub>x</sub> /WO <sub>x</sub> films. <i>Solid-State Electronics</i> , 2012, 77, 35-40.	1.4	34
24	Role of the Hf/Si Interfacial Layer on the High Performance of MoS <sub>2</sub> -Based Conductive Bridge RAM for Artificial Synapse Application. <i>IEEE Electron Device Letters</i> , 2020, 41, 709-712.	3.9	33
25	Characteristics of ultrathin HfO <sub>2</sub> gate dielectrics on strained-Si <sub>0.74</sub> Ge <sub>0.26</sub> layers. <i>Applied Physics Letters</i> , 2003, 83, 779-781.	3.3	32
26	Enhanced resistive switching phenomena using low-positive-voltage format and self-compliance IrO <sub>x</sub> /GdO <sub>x</sub> /W cross-point memories. <i>Nanoscale Research Letters</i> , 2014, 9, 12.	5.7	30
27	Controlling Conductive Filament and Tributyrin Sensing Using an Optimized Porous Iridium Interfacial Layer in Cu/Ir/TiN <sub>x</sub> /IrO <sub>y</sub> /TiN. <i>Advanced Electronic Materials</i> , 2019, 5, 1800288.	5.1	30
28	Controlling Cu Migration on Resistive Switching, Artificial Synapse, and Glucose/Saliva Detection by Using an Optimized AlO <sub>x</sub> Interfacial Layer in a-CO <sub>x</sub> -Based Conductive Bridge Random Access Memory. <i>ACS Omega</i> , 2020, 5, 7032-7043.	3.5	30
29	Nanoscale (EOT = 5.6 nm) nonvolatile memory characteristics using n-Si/SiO <sub>2</sub> /HfAlO nanocrystal/Al <sub>2</sub> O <sub>3</sub> /Ptcapacitors. <i>Nanotechnology</i> , 2008, 19, 435202.	2.6	29
30	Enhanced nanoscale resistive switching memory characteristics and switching mechanism using high-Ge-content Ge <sub>0.5</sub> Se <sub>0.5</sub> solid electrolyte. <i>Nanoscale Research Letters</i> , 2012, 7, 614.	5.7	29
31	Characteristics of strained-germanium p- and n-channel field effect transistors on a Si (1%1) substrate. <i>Semiconductor Science and Technology</i> , 2007, 22, 342-347.	2.0	28
32	High- $\kappa$ HfO <sub>2</sub> Nanocrystal Memory Capacitors Prepared by Phase Separation of Atomic-Layer-Deposited HfO <sub>2</sub> •Al <sub>2</sub> O <sub>3</sub> Nanomixtures. <i>Journal of the Electrochemical Society</i> , 2009, 156, K28.	2.9	28
33	Understanding of multi-level resistive switching mechanism in GeO <sub>x</sub> through redox reaction in H <sub>2</sub> O <sub>2</sub> /sarcosine prostate cancer biomarker detection. <i>Scientific Reports</i> , 2017, 7, 11240.	3.3	27
34	Evolution of resistive switching mechanism through H <sub>2</sub> O <sub>2</sub> sensing by using TaO <sub>x</sub> -based material in W/Al <sub>2</sub> O <sub>3</sub> /TaO <sub>x</sub> /TiN structure. <i>Applied Surface Science</i> , 2018, 433, 51-59.	6.1	27
35	MBE-grown high gate dielectrics of HfO <sub>2</sub> and (Hf•Al)O <sub>2</sub> for Si and III•V semiconductors nano-electronics. <i>Journal of Crystal Growth</i> , 2005, 278, 619-623.	1.5	26
36	High- $\kappa$ gate oxide for silicon heterostructure MOSFET devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2006, 17, 689-710.	2.2	25

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37	Memory Characteristics of Atomic-Layer-Deposited High- $\hat{\rho}$ HfAlO Nanocrystal Capacitors. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, K50.	2.2	24
38	Self-compliance-improved resistive switching using Ir/TaO <sub>x</sub> /W cross-point memory. <i>Nanoscale Research Letters</i> , 2013, 8, 527.	5.7	24
39	Observation of Resistive Switching Memory by Reducing Device Size in a New Cr/CrO <sub>x</sub> /TiO <sub>x</sub> /TiN Structure. <i>Nano-Micro Letters</i> , 2015, 7, 392-399.	27.0	24
40	Impact of electrically formed interfacial layer and improved memory characteristics of IrO <sub>x</sub> /high- $\hat{\rho}$ x/W structures containing AlO <sub>x</sub> , GdO <sub>x</sub> , HfO <sub>x</sub> , and TaO <sub>x</sub> switching materials. <i>Nanoscale Research Letters</i> , 2013, 8, 379.	5.7	23
41	Effects of W/Ir Top Electrode on Resistive Switching and Dopamine Sensing by Using Optimized TaO <sub>x</sub> -Based Memory Platform. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700959.	3.7	23
42	Mechanically Strained Strained-Si NMOSFETs. <i>IEEE Electron Device Letters</i> , 2004, 25, 40-42.	3.9	22
43	Effects of interfacial NH <sub>3</sub> /N <sub>2</sub> O-plasma treatment on the structural and electrical properties of ultra-thin HfO <sub>2</sub> gate dielectrics on p-Si substrates. <i>Solid-State Electronics</i> , 2005, 49, 524-528.	1.4	22
44	High- $\hat{\rho}$ Al <sub>2</sub> O <sub>3</sub> /WO <sub>x</sub> Bilayer Dielectrics for Low-Power Resistive Switching Memory Applications. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 10PH01.	1.5	21
45	Device Size-Dependent Improved Resistive Switching Memory Performance. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 409-417.	2.0	21
46	Scalable cross-point resistive switching memory and mechanism through an understanding of H <sub>2</sub> O <sub>2</sub> /glucose sensing using an IrO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> /W structure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25938-25948.	2.8	21
47	Impact of device size and thickness of Al <sub>2</sub> O <sub>3</sub> film on the Cu pillar and resistive switching characteristics for 3D cross-point memory application. <i>Nanoscale Research Letters</i> , 2014, 9, 692.	5.7	20
48	RRAM characteristics using a new Cr/GdO <sub>x</sub> /TiN structure. <i>Nanoscale Research Letters</i> , 2014, 9, 2404.	5.7	20
49	Hafnium oxide gate dielectric for strained-Si <sup>x</sup> Gex. <i>Solid-State Electronics</i> , 2003, 47, 1995-2000.	1.4	19
50	Enhanced resistive switching memory characteristics and mechanism using a Ti nanolayer at the W/TaO <sub>x</sub> interface. <i>Nanoscale Research Letters</i> , 2014, 9, 125.	5.7	19
51	Cross-Point Resistive Switching Memory and Urea Sensing by Using Annealed GdO <sub>x</sub> Film in IrO <sub>x</sub> /GdO <sub>x</sub> /W Structure for Biomedical Applications. <i>Journal of the Electrochemical Society</i> , 2017, 164, B127-B135.	2.9	19
52	Sarcosine Prostate Cancer Biomarker Detection by Controlling Oxygen in NiO <sub>x</sub> Membrane on Vertical Silicon Nanowires in Electrolyte-Insulator-Nanowire Structure. <i>Analytical Chemistry</i> , 2020, 92, 8064-8071.	6.5	18
53	Resistive switching memory and artificial synapse by using Ti/MoS <sub>2</sub> based conductive bridging cross-points. <i>Vacuum</i> , 2020, 176, 109326.	3.5	18
54	Analysis of weakly bonded oxygen in HfO <sub>2</sub> /SiO <sub>2</sub> /Si stacks by using HRBS and ARXPS. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 475-480.	2.2	17

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55	Time-dependent pH sensing phenomena using CdSe/ZnS quantum dots in EIS structure. <i>Nanoscale Research Letters</i> , 2014, 9, 179.	5.7	17
56	Highly Reliable Label-Free Detection of Urea/Glucose and Sensing Mechanism Using SiO <sub>2</sub> and CdSe-ZnS Nanoparticles in Electrolyte-Insulator-Semiconductor Structure. <i>Journal of the Electrochemical Society</i> , 2016, 163, B580-B587.	2.9	17
57	Mechanically Strained Si <sup>1-x</sup> Ge <sup>x</sup> HBTs. <i>IEEE Electron Device Letters</i> , 2004, 25, 483-485.	3.9	16
58	Memristive and artificial synapse performance by using TiO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> interface engineering in MoS <sub>2</sub> -based metallic filament memory. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 151, 109901.	4.0	16
59	Excellent Uniformity and Multilevel Operation in Formation-Free Low Power Resistive Switching Memory Using IrO <sub>x</sub> /AlO <sub>x</sub> /W Cross-Point. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD10.	1.5	16
60	Bipolar Resistive Switching Memory Characteristics Using Al/Cu/GeO <sub>x</sub> /W Memristor. <i>ECS Transactions</i> , 2012, 45, 257-261.	0.5	15
61	Comparison of resistive switching characteristics by using e-gun/sputter deposited SiO <sub>x</sub> film in W/SiO <sub>x</sub> /TiN structure and pH/creatinine sensing through iridium electrode. <i>Journal of Alloys and Compounds</i> , 2017, 726, 30-40.	5.5	15
62	An observation of charge trapping phenomena in GaN/AlGaIn/Gd <sub>2</sub> O <sub>3</sub> /Ni <sup>1-x</sup> Au structure. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	14
63	High- $\epsilon_r$ Al <sub>2</sub> O <sub>3</sub> /WO <sub>x</sub> Bilayer Dielectrics for Low-Power Resistive Switching Memory Applications. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 10PH01.	1.5	13
64	Series resistance and mobility degradation factor in C-incorporated SiGe heterostructure p-type metal-oxide semiconductor field-effect transistors. <i>Semiconductor Science and Technology</i> , 2002, 17, 938-941.	2.0	12
65	Interface properties and reliability of ultrathin oxynitride films grown on strained Si <sup>1-x</sup> Ge <sub>x</sub> substrates. <i>Journal of Applied Physics</i> , 2003, 93, 2464-2471.	2.5	12
66	Hole confinement at Si/SiGe heterojunction of strained-Si N and PMOS devices. <i>Solid-State Electronics</i> , 2006, 50, 109-113.	1.4	12
67	Low power resistive switching memory using Cu metallic filament in Ge <sub>0.2</sub> Se <sub>0.8</sub> solid-electrolyte. <i>Microelectronics Reliability</i> , 2010, 50, 643-646.	1.7	12
68	HfO <sub>2</sub> /HfAlO/HfO <sub>2</sub> Nanolaminate Charge Trapping Layers for High-Performance Nonvolatile Memory Device Applications. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 1803-1807.	1.5	11
69	Improvement of Uniformity of Resistive Switching Parameters by Selecting the Electroformation Polarity in IrO <sub>x</sub> /TaO <sub>x</sub> /WO <sub>x</sub> /W Structure. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD06.	1.5	11
70	Effects of nitric-oxide-plasma treatment on the electrical properties of tetraethylorthosilicate-deposited silicon dioxides on strained-Si <sup>1-x</sup> Ge <sub>x</sub> layers. <i>Applied Physics Letters</i> , 2000, 77, 1840.	3.3	10
71	Minority carrier lifetime and diffusion length in Si <sup>1-x</sup> Ge <sub>x</sub> heterolayers. <i>Solid-State Electronics</i> , 2003, 47, 893-897.	1.4	10
72	Low Voltage Operation of High- $\epsilon_r$ HfO <sub>2</sub> /TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Single Quantum Well for Nanoscale Flash Memory Device Applications. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1818.	1.5	10

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73	Comparison of resistive switching characteristics using copper and aluminum electrodes on GeO <sub>x</sub> /W cross-point memories. <i>Nanoscale Research Letters</i> , 2013, 8, 509.	5.7	10
74	Copper pillar and memory characteristics using Al <sub>2</sub> O <sub>3</sub> switching material for 3D architecture. <i>Nanoscale Research Letters</i> , 2014, 9, 366.	5.7	10
75	Resistive and New Optical Switching Memory Characteristics Using Thermally Grown Ge <sub>0.2</sub> Se <sub>0.8</sub> Film in Cu/GeSex/W Structure. <i>Nanoscale Research Letters</i> , 2015, 10, 392.	5.7	10
76	Metal-oxide-semiconductor structure with Ge nanocrystals for memory devices applications. <i>Electronics Letters</i> , 2003, 39, 1865.	1.0	9
77	Ultrathin oxynitride films grown on Si <sub>0.74</sub> Ge <sub>0.26</sub> /Si heterolayers using low energy plasma source nitrogen implantation. <i>Solid-State Electronics</i> , 2005, 49, 449-452.	1.4	9
78	Excellent Uniformity and Multilevel Operation in Formation-Free Low Power Resistive Switching Memory Using IrO <sub>x</sub> /AlO <sub>x</sub> /W Cross-Point. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD10.	1.5	9
79	Switching Characteristics and Mechanism Using Al <sub>2</sub> O <sub>3</sub> Interfacial Layer in Al/Cu/GdO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> /TiN Memristor. <i>Electronics (Switzerland)</i> , 2020, 9, 1466.	3.1	9
80	Physical and Memory Characteristics of Atomic-Layer-Deposited High- $\kappa$ Hafnium-Aluminum-Oxide Nanocrystal Capacitors with Iridium-Oxide Metal Gate. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 05DF02.	1.5	8
81	Oxide-Electrolyte Thickness Dependence Diode-Like Threshold Switching and High on/off Ratio Characteristics by Using Al <sub>2</sub> O <sub>3</sub> Based CBRAM. <i>Electronics (Switzerland)</i> , 2020, 9, 1106.	3.1	8
82	Enhanced resistive switching memory characteristics and mechanism using a Ti nanolayer at the W/TaO <sub>x</sub> interface. <i>Nanoscale Research Letters</i> , 2013, 8, 288.	5.7	8
83	Formation-Polarity-Dependent Improved Resistive Switching Memory Performance Using IrO <sub>x</sub> /GdO <sub>x</sub> /WO <sub>x</sub> /W Structure. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD17.	1.5	8
84	Physical and reliability characteristics of Hf-based gate dielectrics on strained-Si <sub>1-x</sub> /Ge <sub>x</sub> /MOS devices. <i>IEEE Transactions on Device and Materials Reliability</i> , 2005, 5, 168-176.	2.0	7
85	TiO <sub>2</sub> Nanocrystal Prepared by Atomic-Layer-Deposition System for Non-Volatile Memory Application. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 2523-2526.	1.5	7
86	Record Resistance Ratio and Bipolar/Unipolar Resistive Switching Characteristics of Memory Device Using Germanium Oxide Solid Electrolyte. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD11.	1.5	7
87	Formation-Polarity-Dependent Improved Resistive Switching Memory Performance Using IrO <sub>x</sub> /GdO <sub>x</sub> /WO <sub>x</sub> /W Structure. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD17.	1.5	7
88	Improvement of Uniformity of Resistive Switching Parameters by Selecting the Electroformation Polarity in IrO <sub>x</sub> /TaO <sub>x</sub> /WO <sub>x</sub> /W Structure. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD06.	1.5	7
89	Growth of Silicon- Germanium Alloy Layers. <i>Defence Science Journal</i> , 2000, 50, 299-315.	0.8	7
90	Detection of pH and Enzyme-Free H <sub>2</sub> O <sub>2</sub> Sensing Mechanism by Using GdO <sub>x</sub> Membrane in Electrolyte-Insulator-Semiconductor Structure. <i>Nanoscale Research Letters</i> , 2016, 11, 434.	5.7	6

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91	Characteristics of pH sensors fabricated by using protein-mediated CdSe/ZnS quantum dots. <i>Microelectronics Reliability</i> , 2010, 50, 747-752.	1.7	5
92	Improved Bipolar Resistive Switching Memory Using W/TaO <sub>x</sub> /W Structure. <i>Advanced Materials Research</i> , 2010, 159, 333-337.	0.3	5
93	Energy band alignments of Al <sub>2</sub> O <sub>3</sub> /HfO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanolaminates/SiO <sub>2</sub> /p-type Si structures. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 051812.	1.2	5
94	Sensing characteristics of dopamine using Pt/n-Si structure. <i>Vacuum</i> , 2020, 172, 109050.	3.5	4
95	Effect of strain on p-channel metal-oxide-semiconductor field-effect-transistor current enhancement using stress-modulated silicon nitride films. <i>Applied Physics Letters</i> , 2005, 87, 262109.	3.3	3
96	Ruthenium oxide metal nanocrystal capacitors with high- $\epsilon$ dielectric tunneling barriers for nanoscale nonvolatile memory device applications. <i>Microelectron Engineering</i> , 2010, 87, 1821-1827.	2.4	3
97	Particle Size and Morphology of Iridium Oxide Nanocrystals in Non-Volatile Memory Device. <i>Materials Transactions</i> , 2011, 52, 331-335.	1.2	3
98	Record Resistance Ratio and Bipolar/Unipolar Resistive Switching Characteristics of Memory Device Using Germanium Oxide Solid Electrolyte. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DD11.	1.5	3
99	Impact of AlO <sub>x</sub> interfacial layer and switching mechanism in W/AlO <sub>x</sub> /TaO <sub>x</sub> /TiN RRAMs. , 2014, , .		2
100	Cu Filament Based Resistive Switching and Oxidation Reduction through Dopamine Sensing in Novel Cu/MoS <sub>2</sub> /TiN Structure. , 2018, , .		1
101	MoS <sub>2</sub> based CBRAM with Mo/Ti barrier layer for artificial synapse application. , 2020, , .		1
102	Ru Conducting Filament Based Cross-Point Resistive Switching Memory for Future Low Power Operation. , 2020, , .		1
103	Dopamine-Sensing Characteristics and Mechanism by Using N <sub>2</sub> /O <sub>2</sub> Annealing in Pt/Ti/n-Si Structure. <i>Electronics (Switzerland)</i> , 2021, 10, 3146.	3.1	1
104	Performance Improvement in E-Gun Deposited SiO <sub>x</sub> - Based RRAM Device by Switching Material Thickness Reduction. <i>Journal of Physics: Conference Series</i> , 2022, 2161, 012040.	0.4	1
105	An observation of charge trapping phenomena in GaN/AlGaN/Gd<math>\text{O}</math>/MOS schottky structure. , 2011, , .		0
106	Prostate cancer biomarker detection by using Si nanowire based electrolyte/NiO <sub>x</sub> /SiO <sub>2</sub> /n-Si sensors. , 2018, , .		0
107	Platinum membrane on Ti/n-Si substrate for dopamine detection. , 2020, , .		0