

# Recent progress in resistive random access memories: Materials and performance

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Operation methods of resistive random access memory. Science China Technological Sciences, 2014, 57, 2295-2304.	2.0	14
2	Set statistics in conductive bridge random access memory device with Cu/HfO <sub>2</sub> /Pt structure. Applied Physics Letters, 2014, 105, .	1.5	42
3	Exchange bias field induced symmetry-breaking of magnetization rotation in two-dimension. Applied Physics Letters, 2014, 105, 152402.	1.5	11
4	Tunneling magnetoresistance induced by controllable formation of Co filaments in resistive switching Co/ZnO/Fe structures. Europhysics Letters, 2014, 108, 58004.	0.7	20
5	Interface-modification-enhanced tunnel electroresistance in multiferroic tunnel junctions. Journal of Applied Physics, 2014, 116, .	1.1	24
6	Resistive switching and conductance quantization in Ag/SiO <sub>2</sub> /indium tin oxide resistive memories. Applied Physics Letters, 2014, 105, .	1.5	85
7	Multilevel unipolar resistive switching with negative differential resistance effect in Ag/SiO <sub>2</sub> /Pt device. Journal of Applied Physics, 2014, 116, .	1.1	42
8	Statistical characteristics of reset switching in Cu/HfO <sub>2</sub> /Pt resistive switching memory. Nanoscale Research Letters, 2014, 9, 2500.	3.1	16
9	Optical properties of ZnO/Al/ZnO multilayer films for large area transparent electrodes. Journal of Materials Research, 2014, 29, 2912-2920.	1.2	24
10	Relation between the electroforming voltage in alkali halide-polymer diodes and the bandgap of the alkali halide. Applied Physics Letters, 2014, 105, 233502.	1.5	5
11	Anti-Ferromagnet Controlled Tunneling Magnetoresistance. Advanced Functional Materials, 2014, 24, 6806-6810.	7.8	35
12	Reversible Ferromagnetic Phase Transition in Electrode-Gated Manganites. Advanced Functional Materials, 2014, 24, 7233-7240.	7.8	76
13	Graphene Activating Room-Temperature Ferromagnetic Exchange in Cobalt-Doped ZnO Dilute Magnetic Semiconductor Quantum Dots. ACS Nano, 2014, 8, 10589-10596.	7.3	44
14	Realization of the Meminductor. ACS Nano, 2014, 8, 10043-10047.	7.3	30
15	Co Nanoparticles Induced Resistive Switching and Magnetism for the Electrochemically Deposited Polypyrrole Composite Films. ACS Applied Materials & Interfaces, 2014, 6, 17823-17830.	4.0	42
16	Implementation of Complete Boolean Logic Functions in Single Complementary Resistive Switch. Scientific Reports, 2015, 5, 15467.	1.6	84
17	Charge storage effects in doped polymer nanocomposite for memory device application. AIP Conference Proceedings, 2015, , .	0.3	0
18	Switchable diode-effect mechanism in ferroelectric BiFeO <sub>3</sub> thin film capacitors. Journal of Applied Physics, 2015, 118, .	1.1	44

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19	Study on the oxygen vacancy redistribution and the mechanism of electrical manipulation of ferromagnetism in diluted magnetic oxides. Journal of Applied Physics, 2015, 118, 233902.	1.1	3
20	a-SiNx:H-based ultra-low power resistive random access memory with tunable Si dangling bond conduction paths. Scientific Reports, 2015, 5, 15762.	1.6	69
21	Relevance of non-equilibrium defect generation processes to resistive switching in TiO <sub>2</sub> . Journal of Applied Physics, 2015, 118, .	1.1	11
22	Enhanced resistive switching and multilevel behavior in bilayered HfAlO/HfAlO <sub>x</sub> structures for non-volatile memory applications. Applied Physics Letters, 2015, 107, 242105.	1.5	15
23	Interface engineering for improving reliability of resistance switching in Cu/HfO <sub>2</sub> /TiO <sub>2</sub> /Pt structure. Applied Physics Letters, 2015, 107, .	1.5	16
24	Stacked 3D RRAM Array with Graphene/CNT as Edge Electrodes. Scientific Reports, 2015, 5, 13785.	1.6	38
25	Filament Geometry Induced Bipolar, Complementary and Unipolar Resistive Switching under the Same Set Current Compliance in Pt/SiO <sub>x</sub> /TiN. Scientific Reports, 2015, 5, 15374.	1.6	18
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