

# Switchable Ferroelectric Diode and Photovoltaic Effect

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Photovoltaic mechanisms in ferroelectric thin films with the effects of the electrodes and interfaces. Applied Physics Letters, 2009, 95, .	1.5	124
2	Effect of kinetic growth parameters on leakage current and ferroelectric behavior of BiFeO <sub>3</sub> thin films. Journal of Applied Physics, 2009, 106, .	1.1	54
3	Electrical transport and thermometry of electroformed titanium dioxide memristive switches. Journal of Applied Physics, 2009, 106, .	1.1	87
4	The dependence of oxygen vacancy distributions in BiFeO <sub>3</sub> films on oxygen pressure and substrate. Applied Physics Letters, 2009, 95, .	1.5	52
5	Effects of SrRuO <sub>3</sub> buffer layer thickness on multiferroic (Bi <sub>0.90</sub> La <sub>0.10</sub> )(Fe <sub>0.95</sub> Mn <sub>0.05</sub> )O <sub>3</sub> thin films. Journal of Applied Physics, 2009, 106, .	1.1	65
6	Microscopic mechanism of leakage currents in silica junctions. Journal of Applied Physics, 2009, 106, 073711.	1.1	9
7	Physics and Applications of Bismuth Ferrite. Advanced Materials, 2009, 21, 2463-2485.	11.1	3,668
8	Magnetoelectric Memories – a Disruptive Technology?. ChemPhysChem, 2009, 10, 1761-1762.	1.0	8
9	Thermodynamic modeling of nanoscale ferroelectric systems. Acta Mechanica Solida Sinica, 2009, 22, 524-549.	1.0	9
10	Optical Properties of BiFeO <sub>3</sub> -System Multiferroic Thin Films. Japanese Journal of Applied Physics, 2009, 48, 09KB01.	0.8	17
11	Photovoltaic effects in BiFeO <sub>3</sub> . Applied Physics Letters, 2009, 95, .	1.5	460
12	Evidences for the depletion region induced by the polarization of ferroelectric semiconductors. Applied Physics Letters, 2009, 95, .	1.5	72
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14	Unidirectional Current Flow Due to Nonlinear Bulk Conduction under Trap Density Gradient. Journal of the Physical Society of Japan, 2009, 78, 104712.	0.7	5
15	Optical properties of BiFeO <sub>3</sub> films grown by Sol-gel method. , 2009, , .		1
16	Memristive behaviors of LiNbO <sub>3</sub> ferroelectric diodes. Applied Physics Letters, 2010, 97, 012902.	1.5	40
17	Multiferroic thin-film integration onto semiconductor devices. Journal of Physics Condensed Matter, 2010, 22, 423201.	0.7	86
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20	Optical properties of integrated multiferroic BiFeO <sub>3</sub> thin films for microwave applications. Applied Physics Letters, 2010, 96, .	1.5	55
21	Multiferroics: Past, present, and future. Physics Today, 2010, 63, 38-43.	0.3	826
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36	Interface layer thickness effect on the photocurrent of Pt sandwiched polycrystalline ferroelectric Pb(Zr,Ti)O <sub>3</sub> films. Applied Physics Letters, 2010, 97, .	1.5	31

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92	Spatially selective visible light photocatalytic activity of TiO <sub>2</sub> /BiFeO <sub>3</sub> heterostructures. Journal of Materials Chemistry, 2011, 21, 4168.	6.7	124
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142	Complex transport behavior accompanying domain switching in La <sub>0.1</sub> Bi <sub>0.9</sub> FeO <sub>3</sub> sandwiched capacitors. Applied Physics Letters, 2012, 101, .	1.5	31
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163	Magnetolectric coupling in La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> -Bi <sub>0.6</sub> Nd <sub>0.4</sub> TiO <sub>3</sub> composite thin films derived by a chemical solution deposition method. Applied Physics Letters, 2012, 101, 212902.	1.5	6

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