

# A Ferroelectric Oxide Made Directly on Silicon

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Ferroelectricity in chemical nanostructures: proximal probe characterization and the surface chemical environment. <i>Journal of Materials Science</i> , 2009, 44, 5205-5213.	1.7	9
3	Materials science: Enter the oxides. <i>Nature</i> , 2009, 459, 28-30.	13.7	172
4	Electrocaloric effect in BaTiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , 2009, 106, 094104.	1.1	38
5	Analytic Model for the Surface Potential and Drain Current in Negative Capacitance Field-Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , 2010, 57, 2405-2409.	1.6	128
6	Epitaxial Growth and Properties of Doped Transition Metal and Complex Oxide Films. <i>Advanced Materials</i> , 2010, 22, 219-248.	11.1	192
7	Crystalline Oxides on Silicon. <i>Advanced Materials</i> , 2010, 22, 2919-2938.	11.1	203
8	Ferroelectric Field Effect Transistors for Memory Applications. <i>Advanced Materials</i> , 2010, 22, 2957-2961.	11.1	257
9	Crystal structure and phonon modes of ilmenite-type NaBiO <sub>3</sub> investigated by Raman and infrared spectroscopies. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 698-701.	1.2	21
10	Advances in the growth and characterization of magnetic, ferroelectric, and multiferroic oxide thin films. <i>Materials Science and Engineering Reports</i> , 2010, 68, 89-133.	14.8	553
11	The structural and electrical properties of oriented films prepared by metal organic deposition method. <i>Solid State Communications</i> , 2010, 150, 1637-1640.	0.9	13
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16	Phase transitions and domain stabilities in biaxially strained (001) SrTiO <sub>3</sub> epitaxial thin films. <i>Journal of Applied Physics</i> , 2010, 108, 084113.	1.1	25
17	Morphology of epitaxial SrTiO <sub>3</sub> /Si (001) determined using three-dimensional diffraction profile analysis. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C5B1-C5B4.	0.6	3
18	Metal-oxide-semiconductor tunneling photodiodes with enhanced deep depletion at edge by high-k material. <i>Applied Physics Letters</i> , 2010, 96, 233506.	1.5	22
19	A modified Landau-Devonshire thermodynamic potential for strontium titanate. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	38

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20	Valence electron energy-loss spectroscopy of ultrathin SrTiO <sub>3</sub> films grown on silicon (100) single crystal. Applied Physics Letters, 2010, 96, .	1.5	7
21	Direct growth of InAsP/InP quantum well heterostructures on Si using crystalline SrTiO <sub>3</sub> /Si templates. Applied Physics Letters, 2010, 97, 201908.	1.5	15
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39	An Interactive Simulation Tool for Complex Multilayer Dielectric Devices. IEEE Transactions on Device and Materials Reliability, 2011, 11, 236-243.	1.5	54
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84	Enhanced ferroelectric polarization in tetragonally strained NaNbO <sub>3</sub> thin film on single crystal Rh substrate. <i>Journal of Crystal Growth</i> , 2012, 349, 24-26.	0.7	14
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87	Oxide interfaces: pathways to novel phenomena. <i>Materials Today</i> , 2012, 15, 320-327.	8.3	130
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128	First-Principles Characterization of the Critical Thickness for Forming Metallic States in Strained LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (001) Heterostructure. ACS Applied Materials & Interfaces, 2014, 6, 22351-22358.	4.0	37



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146	Direct Monolithic Integration of Vertical Single Crystalline Octahedral Molecular Sieve Nanowires on Silicon. <i>Chemistry of Materials</i> , 2014, 26, 1019-1028.	3.2	13

#	Electronic structure and biaxial strain in $\text{RbHgF}_3$ perovskite and hybrid improper ferroelectricity in $\text{Hg}_2\text{Mn}_2\text{O}_7$	IF	CITATIONS
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148	Active Silicon Integrated Nanophotonics: Ferroelectric $\text{BaTiO}_3$ Devices. <i>Nano Letters</i> , 2014, 14, 1419-1425.	4.5	208
150	Interface Magnetic Coupling in Epitaxial Bilayers of $\text{La}_{0.92}\text{MnO}_3/\text{LaCoO}_3$ Prepared by Polymer-Assisted Deposition. <i>Chemistry of Materials</i> , 2014, 26, 1480-1484.	3.2	25
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