

Muneyasu Suzuki

List of Publications by Year in descending order

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papers

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times ranked

769
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#	ARTICLE	IF	CITATIONS
1	Giant strain in lead-free (Bi _{0.5} Na _{0.5})TiO ₃ -based single crystals. Applied Physics Letters, 2008, 92, .	3.3	129
2	Bi _{3-x} M _x TiTaO ₉ (M = La or Nd) Ceramics with High Mechanical Quality Factor Q _m . Japanese Journal of Applied Physics, 2003, 42, 6090-6093.	1.5	79
3	Structural and piezoelectric properties of high-density (Bi _{0.5} K _{0.5})TiO ₃ –BiFeO ₃ ceramics. Journal of Applied Physics, 2010, 108, .	2.5	73
4	Ferroelectric Properties and Nano-Scaled Domain Structures in (1-x)BiFeO ₃ -xBaTiO ₃ (0.33 x $\leq x$ ≤ 1). Tj ETQq0 0 0 ggBT /Overlock 10 Tf 0.6 70	0.6	70
5	High-Performance Bi _{0.5} Na _{0.5} TiO ₃ Single Crystals Grown by High-Oxygen-Pressure Flux Method. Japanese Journal of Applied Physics, 2008, 47, 7623.	1.5	66
6	High-oxygen-pressure crystal growth of ferroelectric Bi ₄ Ti ₃ O ₁₂ single crystals. Applied Physics Letters, 2007, 91, 162909.	3.3	58
7	Large electric-field-induced strain in Bi _{0.5} Na _{0.5} TiO ₃ –Bi _{0.5} K _{0.5} TiO ₃ solid solution single crystals. Applied Physics Letters, 2008, 93, .	3.3	51
8	Thickness dependence of dielectric properties in bismuth layer-structured dielectrics. Applied Physics Letters, 2006, 89, 082901.	3.3	39
9	Polarization and Piezoelectric Properties of High Performance Bismuth Sodium Titanate Single Crystals Grown by High-Oxygen-Pressure Flux Method. Japanese Journal of Applied Physics, 2010, 49, 09MD09.	1.5	36
10	Ferroelectric polarization and piezoelectric properties of layer-structured K _{0.5} Bi _{4.5} Ti ₄ O ₁₅ single crystals. Applied Physics Letters, 2008, 93, 032904.	3.3	34
11	High-quality single crystal growth of Bi-based perovskite ferroelectrics based on defect chemistry. Journal of the Ceramic Society of Japan, 2008, 116, 994-1001.	1.1	26
12	Enhanced piezoelectric properties of grain-oriented Bi ₄ Ti ₃ O ₁₂ –BaBi ₄ Ti ₄ O ₁₅ ceramics obtained by magnetic-field-assisted electrophoretic deposition method. Journal of Applied Physics, 2008, 104, .	2.5	19
13	Temperature Dependence of Dielectric Properties of Barium Titanate Ceramic Films Prepared by Aerosol Deposition Method. Japanese Journal of Applied Physics, 2010, 49, 09MA10.	1.5	18
14	MOCVD Growth of Bi _{1.5} Zn _{1.0} Nb _{1.5} O ₇ (BZN) Epitaxial Thin Films and Their Electrical Properties. Japanese Journal of Applied Physics, 2005, 44, 6957-6959.	1.5	17
15	Fabrication and Characterization of Optical Micro-Electro-Mechanical System Scanning Devices Using BaTiO ₃ -Based Lead-Free Piezoelectric-Coated Substrate Sheet by Aerosol Deposition. Japanese Journal of Applied Physics, 2011, 50, 09ND19.	1.5	15
16	Electric-field-induced giant strain in Bi _{0.5} Na _{0.5} TiO ₃ -based single crystals: Influence of high-oxygen-pressure annealing. Journal of the Ceramic Society of Japan, 2009, 117, 32-36.	1.1	13
17	Polarization and leakage current properties of bismuth sodium titanate ceramic films deposited by aerosol deposition method. Journal of the Ceramic Society of Japan, 2010, 118, 899-902.	1.1	13
18	Effects of Oxygen Annealing on Dielectric Properties of LuFeCuO ₄ . Japanese Journal of Applied Physics, 2008, 47, 8464.	1.5	12

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19	MOCVD of Single-Axis-Oriented Strontium Bismuth Titanate Thin Films and Their Electrical Properties. <i>Chemical Vapor Deposition</i> , 2006, 12, 136-142.	1.3	11
20	Low strain sensitivity of the dielectric property of pyrochlore Bi ₂ ZnNb ₂ O ₇ films. <i>Applied Physics Letters</i> , 2008, 92, 182901.	3.3	11
21	Temperature dependence of piezoelectric properties on Nd and V co-substituted Bi ₄ Ti ₃ O ₁₂ ceramics for ceramic resonator applications. <i>Ceramics International</i> , 2009, 35, 163-167.	4.8	11
22	Polarization comparison of Pb(Zr,Ti)O ₃ and Bi ₄ Ti ₃ O ₁₂ -based ferroelectrics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 23-27.	3.5	10
23	Effect of starting powder morphology on film texture for bismuth layer-structured ferroelectrics prepared by aerosol deposition method. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 06GH02.	1.5	10
24	Piezoelectric Properties of Lanthanum Modified Bi ₃ TiTaO ₉ Ceramics. <i>Key Engineering Materials</i> , 2003, 248, 11-14.	0.4	9
25	Growth Behavior of c-Axis-Oriented Epitaxial SrBi ₂ Ta ₂ O ₉ Films on SrTiO ₃ Substrates with Atomic Scale Step Structure. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L138-L141.	1.5	8
26	Microstructures related to the ferroelectric properties in BiFeO ₃ -BaTiO ₃ . <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 27-30.	0.2	8
27	Bismuth layer-structured ferroelectric ceramics with high mechanical quality factor. <i>Electronics and Communications in Japan</i> , 2008, 91, 39-45.	0.5	6
28	Temperature dependences of piezoelectric properties of vanadium substituted SrBi ₂ Nb ₂ O ₉ ceramics with grain orientation. <i>Ceramics International</i> , 2008, 34, 741-744.	4.8	6
29	Polarization and piezoelectric properties of grain-oriented ferroelectric Bi ₅ FeTi ₃ O ₁₅ ceramics prepared by magnetic-field-assisted electrophoretic deposition method. <i>Journal of Electroceramics</i> , 2010, 24, 91-96.	2.0	6
30	Piezoelectric Properties of V and Ba Substituted SrBi ₂ Nb ₂ O ₉ Ceramics. <i>Ferroelectrics</i> , 2007, 358, 148-152.	0.6	5
31	Ferroelectric Property of Bi ₃ TiTaO ₉ Based Ceramics with Nd Substitution. <i>Ferroelectrics</i> , 2007, 356, 62-66.	0.6	5
32	Polarization and leakage current properties of high quality bismuth sodium titanate single crystals and polycrystalline ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 9-16.	1.1	5
33	Fabrication and Characterization of Optical Micro-Electro-Mechanical System Scanning Devices Using BaTiO ₃ -Based Lead-Free Piezoelectric-Coated Substrate Sheet by Aerosol Deposition. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 09ND19.	1.5	5
34	Growth of Pyrochlore Bi ₂ Ti ₂ O ₇ Epitaxial Films and Their Electrical Characterization. <i>Integrated Ferroelectrics</i> , 2004, 67, 201-209.	0.7	4
35	Effect of Deposition Temperature and Post-Heat-Treatment Condition on the Characteristics of (100)-Self-Orientation LaNiO ₃ Films Prepared by RF Magnetron Sputter Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2004, 833, 57.	0.1	4
36	Polarization and leakage current properties of self-supported bismuth sodium titanate ceramic films deposited by aerosol deposition method. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 664-669.	1.1	4

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37	Synchrotron radiation X-ray diffraction evidence for nature of chemical bonds in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ ceramic powders and grain-orientation mechanism of their films formed by aerosol deposition method. Japanese Journal of Applied Physics, 2020, 59, SPPA04.	1.5	4
38	Synthesis of $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ fine ceramic powder at room temperature by dry mechanochemical solid-state reaction evaluated using synchrotron radiation X-ray diffraction. Japanese Journal of Applied Physics, 2021, 60, SFFA02.	1.5	4
39	MOCVD growth of epitaxial pyrochlore $\text{Bi}_2\text{Ti}_2\text{O}_7$ thin film. Journal of the European Ceramic Society, 2006, 26, 2155-2159.	5.7	3
40	PROPERTIES OF A NOVEL BISMUTH PERCURSOR FOR MOCVD. Integrated Ferroelectrics, 2006, 84, 197-202.	0.7	3
41	Polarization Properties of Bismuth Strontium Tantalate Ceramic Films Deposited by Aerosol Deposition Method. Japanese Journal of Applied Physics, 2012, 51, 09LA17.	1.5	2
42	Anisotropic electrical properties in bismuth layer structured dielectrics with natural super lattice structure. Applied Physics Letters, 2012, 101, .	3.3	2
43	Polarization Properties of Bismuth Strontium Tantalate Ceramic Films Deposited by Aerosol Deposition Method. Japanese Journal of Applied Physics, 2012, 51, 09LA17.	1.5	2
44	Direct Crystallization and Characterization of $\text{Bi}_3\text{TiTaO}_9$ Thin Films Prepared by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2002, 41, 6825-6828.	1.5	1
45	Grain-Orientation Control of $\text{Bi}_5\text{FeTi}_3\text{O}_{15}$ Ceramics Prepared by Magnetic-Field-Assisted Electrophoretic Deposition Method. Key Engineering Materials, 2008, 388, 205-208.	0.4	1
46	Ferroelectric Polarization Properties in High-Performance Bismuth Sodium Titanate Single Crystals. Key Engineering Materials, 2011, 485, 7-10.	0.4	1
47	The Piezoelectric Properties of La_2O_3 Doped $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ \leftrightarrow $(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ Ceramic. Ferroelectrics, 2007, 358, 134-138.		
48	Effect of the Annealing Temperature on Dielectric Properties of $\text{Bi}_{1.5}\text{Zn}_{1.0}\text{Nb}_{1.5}\text{O}_7$ Films Prepared by MOCVD. Key Engineering Materials, 0, 388, 175-178.		0
49	Temperature Dependency of Dielectric Properties in Epitaxially Grown $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$ Films with Different Orientation. Key Engineering Materials, 0, 368-372, 1811-1813.	0.4	0
50	Effects of Oxygen Pressure during Crystal Growth on the Polarization Properties in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Single Crystals. Transactions of the Materials Research Society of Japan, 2008, 33, 53-56.	0.2	0
51	Aggregate ceramic films produced at room temperature by press forming. Journal of the American Ceramic Society, 2020, 103, 3479-3492.	3.8	0