

Minoru Noda

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Prominent ferroelectricity of BiFeO ₃ thin films prepared by pulsed-laser deposition. Applied Physics Letters, 2003, 83, 3981-3983.	3.3	215
2	Preparation and basic properties of ferroelectric thin films having a superlattice structure of 2 Bi ₃ TiNbO ₉ units and 1 Bi ₄ Ti ₃ O ₁₂ unit. Applied Physics Letters, 2003, 83, 1411-1413.	3.3	20
3	Basic characteristics of metal-ferroelectric-insulator-semiconductor structure using a high-k PrOx insulator layer. Journal of Applied Physics, 2003, 93, 4137-4143.	2.5	19
4	Crystallization of BaTiO ₃ Thin Film at 140°C by Metalorganic Decomposition Hydrothermal Method Using Different Precursors. Japanese Journal of Applied Physics, 2002, 41, 6619-6623.	1.5	13
5	Resonant Frequency Tuning of Piezoelectric Ultrasonic Microsensors by Bias Voltage Application to Extra Top-Electrodes on PZT Diaphragms. Ferroelectrics, 2010, 408, 48-54.	0.6	12
6	Fabrication and Characterization of Normal and Shear Stresses Sensitive Tactile Sensors by Using Inclined Micro-cantilevers Covered with Elastomer. Materials Research Society Symposia Proceedings, 2007, 1052, 1.	0.1	11
7	A Highly-Sensitive Ba(Ti _{1-x} Sn _x)O ₃ Thin Film Dielectric Bolometer for Uncooled IR Sensor. Integrated Ferroelectrics, 2004, 63, 35-40.	0.7	10
8	A Label-Free Fluorescent Array Sensor Utilizing Liposome Encapsulating Calcein for Discriminating Target Proteins by Principal Component Analysis. Sensors, 2017, 17, 1630.	3.8	10
9	Detection of Amyloid Beta Fibril Growth by Liposome-Immobilized Micro-Cantilever With NiCr Thin-Film Strain Gauge. IEEE Sensors Journal, 2015, 15, 7135-7141.	4.7	9
10	Analysis of Complex Permittivity of Liposome for Its Biochemical Dynamics up to 30 GHz Range. , 2006, , .		7
11	Effect of leakage current through ferroelectric and insulator on retention characteristics of metal-ferroelectric-insulator-semiconductor structure. Integrated Ferroelectrics, 2001, 40, 125-134.	0.7	6
12	PREPARATION AND CHARACTERIZATION OF NATURAL-SUPERLATTICE-STRUCTURED Bi ₂ MoO ₆ /Bi ₄ Ti ₃ O ₁₂ (m = 1, 2, 3, 4) BT /Oxide	0.7	4
13	Comparison of BST film microwave tunable devices based on (100) and (111) MgO substrates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2221-2227.	3.0	4
14	A Cantilever-based Biosensor for Real-time Monitoring of Interactions between Amyloid-β ² (1-40) and Membranes Comprised of Phosphatidylcholine Lipids with Different Hydrophobic Acyl Chains. Electroanalysis, 2017, 29, 722-729.	2.9	4
15	Label-free, chronological and selective detection of aggregation and fibrillization of amyloid β ² protein in serum by microcantilever sensor immobilizing cholesterol-incorporated liposome. Biotechnology and Bioengineering, 2020, 117, 2469-2478.	3.3	4
16	A Very Low-Temperature Growth of BaTiO ₃ Thin Film by Hydrothermal Treatment Following Sol-Gel Coating at 200 Degree Celsius. Integrated Ferroelectrics, 2003, 52, 111-118.	0.7	3
17	A new SrBi ₄ Ti ₄ O ₁₅ /CaBi ₄ Ti ₄ O ₁₅ thin-film capacitor for excellent electric stability. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control. 2012, 59, 1888-1893.	3.0	3
18	Theoretical and Experimental Studies on Retention Characteristics of Metal-Ferroelectric-Insulator-Semiconductor and Metal-Insulator-Ferroelectric-Insulator-Semiconductor Structures. Materials Research Society Symposia Proceedings, 2000, 655, 154.	0.1	2

#	ARTICLE	IF	CITATIONS
19	Low Temperature Preparation of Bismuth-Related Ferroelectrics by Hydrothermal Synthesis. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	2
20	Preparation of Sr _{0.7} Bi _{2+x} Ta ₂ O ₉ Thin Films on SiO ₂ /Si at Low Temperature by Pulsed Laser Deposition and Fatigue-Tolerant C-V Characteristics with Large Memory Window. Materials Research Society Symposia Proceedings, 1998, 541, 299.	0.1	1
21	A low temperature preparation of Sr _{0.7} Bi _{2+x} Ta ₂ O ₉ thin films on SiO ₂ /Si by pulsed laser deposition for application of metal-ferroelectric-insulator-semiconductor structure. Ferroelectrics, Letters Section, 1999, 26, 17-28.	1.0	1
22	Preparation and Characterization of MFM and MFIS Structures Using Sr ₂ (Ta _{1-x} Nb _x) ₂ O ₇ Thin Film by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2000, 655, 307.	0.1	1
23	Low-temperature preparation of BaSr _{1-x} TiO ₃ thin films prepared by sol-gel-hydrothermal method. Integrated Ferroelectrics, 2001, 36, 215-224.	0.7	1
24	Nitridation of Ultrathin SiO ₂ Layers in Metal-Ferroelectric-Insulator-Semiconductor Structures. Integrated Ferroelectrics, 2004, 68, 29-36.	0.7	1
25	LOW TEMPERATURE CRYSTALLIZATION OF Pb(Zr,Ti)O ₃ AND PbTiO ₃ MOCVD THIN FILM BY HYDROTHERMAL TREATMENT AT 240°C. Integrated Ferroelectrics, 2006, 84, 137-146.	0.7	1
26	Oriented Sr _{0.48} Ba _{0.51} La _{0.01} Nb ₂ O ₆ thin films prepared on Pt/Ti/SiO ₂ /Si(100) substrate by pulsed laser deposition. Ferroelectrics, 1998, 219, 15-22.	0.6	0
27	Low Temperature Preparation of Sr ₂ (Ta _{1-x} Nb _x) ₂ O ₇ Ferroelectric Thin Film by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 1999, 596, 185.	0.1	0
28	Crystallization of BaTiO ₃ Thin Films Prepared by Metalorganic Decomposition with Hydrothermal Treatment at 140°C. Materials Research Society Symposia Proceedings, 2001, 688, 1.	0.1	0
29	X-ray Photoelectron and UV Photoyield Spectroscopic Studies on Structural and Electronic Properties of Sr _x Bi _y Ta ₂ O ₉ Films. Materials Research Society Symposia Proceedings, 2002, 747, 1.	0.1	0
30	Ferroelectric Bi ₄ Ti ₃ O ₁₂ –SrBi ₄ Ti ₄ O ₁₅ Intergrowth Thin Films Prepared by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	0
31	X-ray Photoelectron and UV Photoyield Spectroscopic Studies on Structural and Electronic Properties of Sr _x Bi _y Ta ₂ O ₉ Films. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	0
32	Ferroelectric and Ferromagnetic Properties of BiFeO ₃ Thin Films Deposited by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2003, 784, 11521.	0.1	0
33	Preparation and Characterization of Ferroelectric Bi ₃ TiNbO ₉ -Bi ₄ Ti ₃ O ₁₂ (m = 2–3) Thin Films with Different Superlattice Structures. Materials Research Society Symposia Proceedings, 2003, 784, 181.	0.1	0
34	An Application of a Low-Loss MOD-Made BST Film Developed Especially with PLD Initial Nucleation Layer to a 20 GHz Tunable Phase Shifter. Materials Research Society Symposia Proceedings, 2004, 833, 33.	0.1	0
35	Polarization Hysteresis Control by La and Nd Substitutions in Natural-Superlattice-Structured Bi ₃ TiNbO ₉ -Bi ₄ Ti ₃ O ₁₂ Thin Films. Integrated Ferroelectrics, 2004, 65, 149-157.	0.7	0
36	Leakage current characteristics of new SrBi ₄ Ti ₄ O ₁₅ /Ti ₄ O ₁₅ /CaBi ₄ Ti ₄ O ₁₅ /Ti ₄ O ₁₅ thin-film capacitor with excellent electric stability. , 2013, , .		

#	ARTICLE	IF	CITATIONS
37	Low Temperature Preparation of Functional Oxide Thin Film by Sol-gel-Hydrothermal Process-Application to Si ULSI Monolithic Process for Large-Scale Integrated Sensor, Actuator, and Memory-. IEEJ Transactions on Sensors and Micromachines, 2004, 124, 203-206.	0.1	0