

Seiji Nakashima

List of Publications by Year in descending order

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61
docs citations

61
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of polarization-related band modulation at graphene/Mn-doped BiFeO ₃ interfaces by photoemission electron microscopy. Japanese Journal of Applied Physics, 2022, 61, SN1004.	1.5	1
2	Impact of film thickness on the external quantum efficiency of bulk photovoltaic effects in Mn-doped BiFeO ₃ thin films. Japanese Journal of Applied Physics, 2021, 60, SFFB02.	1.5	7
3	Nonvolatile operation of vertical ferroelectric gate-all-around nanowire transistors. Japanese Journal of Applied Physics, 2021, 60, SFFB10.	1.5	3
4	Atomic structure stabilization in BiFeO ₃ thin film by Mn doping. Japanese Journal of Applied Physics, 2020, 59, 010602.	1.5	6
5	X-ray absorption and photoemission spectroscopy of bulk insulating materials using graphene. Journal of Applied Physics, 2020, 128, .	2.5	4
6	Fabrication and physical properties of bismuth layer-structured ferroelectric thin films with c-axis orientation epitaxially grown by high-temperature sputtering. Japanese Journal of Applied Physics, 2019, 58, SLLB09.	1.5	4
7	Introduction of charged domain walls into BiFeO ₃ thin films using a pit-patterned SrTiO ₃ (001) substrate. Japanese Journal of Applied Physics, 2019, 58, SLLB02.	1.5	1
8	Composition control and introduction of an Fe ₂ O ₃ seed layer in metalorganic chemical vapor deposition of epitaxial BiFeO ₃ thin films. Japanese Journal of Applied Physics, 2019, 58, 041003.	1.5	6
9	Bulk photovoltaic effects in Mn-doped BiFeO ₃ thin films and the optical strains. Japanese Journal of Applied Physics, 2018, 57, 11UF11.	1.5	8
10	Electric-field-induced lattice distortion in epitaxial BiFeO ₃ thin films as determined by <i>in situ</i> time-resolved x-ray diffraction. Applied Physics Letters, 2017, 111, .	3.3	3
11	Self-regulation of Bi/(Bi+Fe) ratio in metalorganic chemical vapor deposition of BiFeO ₃ thin films. Japanese Journal of Applied Physics, 2017, 56, 10PF05.	1.5	4
12	Domain structure of BiFeO ₃ thin films grown on patterned SrTiO ₃ (001) substrates. Japanese Journal of Applied Physics, 2017, 56, 10PF17.	1.5	1
13	Light stability tests of CH ₃ NH ₃ PbI ₃ perovskite solar cells using porous carbon counter electrodes. Physical Chemistry Chemical Physics, 2016, 18, 27102-27108.	2.8	39
14	ZnO/(Hf,Zr)O ₂ /ZnO-trilayered nanowire capacitor structure fabricated solely by metalorganic chemical vapor deposition. Japanese Journal of Applied Physics, 2016, 55, 02BC08.	1.5	1
15	Growth of epitaxial Mn and Zn codoped BiFeO ₃ thin films and an enhancement of photovoltage generated by a bulk photovoltaic effect. Japanese Journal of Applied Physics, 2016, 55, 10TA07.	1.5	10
16	Strain evolution of epitaxial tetragonal-like BiFeO ₃ thin films on LaAlO ₃ (001) substrates prepared by sputtering and their bulk photovoltaic effect. Japanese Journal of Applied Physics, 2016, 55, 101501.	1.5	15
17	Effects of sputtering gas pressure on physical properties of ferroelectric (Bi _{3.25} Nd _{0.65} Eu _{0.10})Ti ₃ O ₁₂ nanoplate films. Japanese Journal of Applied Physics, 2015, 54, 10NA01.	1.5	9
18	Introduction of an artificial domain wall into BiFeO ₃ thin film using SrTiO ₃ bicrystal substrate. Japanese Journal of Applied Physics, 2015, 54, 10NA06.	1.5	4

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19	Anomalous photovoltaic effects in Pt/single-domain-structured BiFeO ₃ /Pt coplanar capacitors on SrTiO ₃ substrates. Japanese Journal of Applied Physics, 2015, 54, 10NA16.	1.5	16
20	Influence of the polarization direction of light on the anomalous photovoltaic effect in BiFeO ₃ thin films. Journal of the Korean Physical Society, 2015, 66, 1389-1393.	0.7	7
21	Thicknesses of domain walls in rhombohedral BiFeO ₃ thin films evaluated by scanning nonlinear dielectric microscopy. Japanese Journal of Applied Physics, 2014, 53, 09PA13.	1.5	10
22	Current conduction in single-domain BiFeO ₃ thin films. Japanese Journal of Applied Physics, 2014, 53, 08NA01.	1.5	2
23	Bulk photovoltaic effect in a BiFeO ₃ thin film on a SrTiO ₃ substrate. Japanese Journal of Applied Physics, 2014, 53, 09PA16.	1.5	32
24	Growth and local structure of BiFeO ₃ thin films with giant tetragonality on SrRuO ₃ -buffered SrTiO ₃ (001) substrate by ion beam sputtering. Japanese Journal of Applied Physics, 2014, 53, 05FE05.	1.5	5
25	Lattice distortions and piezoelectric properties in (Bi _{3.25} Nd _{0.75} âˆ“xEu _x)Ti ₃ O ₁₂ nanoplates with a- and b-axis orientations. Japanese Journal of Applied Physics, 2014, 53, 02BC07.	1.5	6
26	Effects of deposition temperature on characteristics of ferroelectric Sr ₂ Bi ₄ Ti ₅ O ₁₈ nanoplates fabricated by RF sputtering. Japanese Journal of Applied Physics, 2014, 53, 09PA02.	1.5	3
27	Two-step growth of ZnO nanorods by using MOCVD and control of their diameters and surface densities. Journal of the Korean Physical Society, 2013, 62, 1164-1168.	0.7	8
28	Fabrication of inorganic-organic composites containing ferroelectric nanoplates and evaluation of their piezoelectric response characteristics. Journal of the Korean Physical Society, 2013, 62, 999-1003.	0.7	3
29	Preparation of epitaxial BiFeO ₃ thin films on La-SrTiO ₃ substrate by using magnetic-field-assisted pulsed laser deposition. Journal of the Korean Physical Society, 2013, 62, 1041-1045.	0.7	5
30	Influence of Lattice Distortion Induced by a Vicinal SrTiO ₃ (001) Substrate in Single-Domain BiFeO ₃ Thin Films Prepared by Radio Frequency Planar Magnetron Sputtering. Japanese Journal of Applied Physics, 2013, 52, 09KB03.	1.5	11
31	Effects of Eu ³⁺ Doping on Characteristics of (Bi _{3.25} Nd _{0.75})Ti ₃ O ₁₂ Nanoplates. Japanese Journal of Applied Physics, 2013, 52, 09KA10.	1.5	7
32	Repetition Rate Dependence of Ferroelectric Properties of Polycrystalline BiFeO ₃ Films Prepared by Pulsed Laser Deposition Method. Ferroelectrics, 2013, 453, 1-7.	0.6	4
33	Switching Current Measurements of Self-Assembled Ferroelectric PbTiO ₃ Nanoplates Using Scanning Probe Microscopy. Japanese Journal of Applied Physics, 2012, 51, 021501.	1.5	3
34	Ferroelectric and Piezoelectric Properties of Polycrystalline BiFeO ₃ Thin Films Prepared by Pulsed Laser Deposition under Magnetic Field. Japanese Journal of Applied Physics, 2012, 51, 09MD05.	1.5	10
35	Size Dependence of Ferroelectric Polarization in PbTiO ₃ Nanoplates. Japanese Journal of Applied Physics, 2012, 51, 09LA07.	1.5	5
36	Preparation and Characterization of High Quality Lead-free BiFeO ₃ Thin Films by Sputtering Process. , 2012, , .		2

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37	Structural and Ferroelectric Properties of Domain-Structure-Controlled BiFeO ₃ Thin Films Prepared by Dual-Ion-Beam Sputtering. Japanese Journal of Applied Physics, 2012, 51, 09LB02.	1.5	3
38	Fabrication of PZT/ZnO Core-Shell Nanowires by Metalorganic Chemical Vapor Deposition. , 2012, , .		1
39	Selective growth of ZnO nanorods and their applications to ferroelectric nanorods. Journal of Applied Physics, 2012, 112, 034111.	2.5	12
40	Mutiferroic Properties of Polycrystalline Sr-Substituted BiFeO ₃ Thin Films Prepared by Pulsed Laser Deposition. Ferroelectrics, 2011, 416, 119-124.	0.6	3
41	Characterization of epitaxial BiFeO ₃ thin films prepared by ion beam sputtering. Current Applied Physics, 2011, 11, S244-S246.	2.4	8
42	Multiferroic properties of polycrystalline Zn-substituted BiFeO ₃ thin films prepared by pulsed laser deposition. Current Applied Physics, 2011, 11, S270-S273.	2.4	10
43	Preparation of BiFeO ₃ Thin Films on SrRuO ₃ /SrTiO ₃ (001) Substrate by Dual Ion Beam Sputtering. Japanese Journal of Applied Physics, 2011, 50, 09NB01.	1.5	12
44	Preparation of BiFe _{0.9} Co _{0.1} O ₃ Films by Pulsed Laser Deposition under Magnetic Field. Japanese Journal of Applied Physics, 2011, 50, 09NB03.	1.5	10
45	Preparation and Characterization of BiFeO ₃ Thin Film Deposited on ITO Substrate by Using Pulsed Laser Deposition. Journal of the Korean Physical Society, 2011, 59, 2537-2541.	0.7	5
46	X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO ₃ Thin Films at Low Temperature Using Synchrotron Radiation. Journal of the Korean Physical Society, 2011, 59, 2556-2559.	0.7	4
47	PbTiO ₃ thin films grown on Pt-covered vicinal SrTiO ₃ (001) substrates. Journal of the Korean Physical Society, 2011, 59, 2560-2564.	0.7	1
48	Structural and ferroelectric properties of epitaxial Bi ₅ Ti ₃ FeO ₁₅ and natural-superlattice-structured Bi ₄ Ti ₃ O ₁₂ Bi ₅ Ti ₃ FeO ₁₅ thin films. Journal of Applied Physics, 2010, 108, .	2.5	42
49	Improvement of ferroelectric properties of BiFeO ₃ thin films by postmetallization annealing and electric field application. Journal of Applied Physics, 2009, 105, .	2.5	20
50	Synthesis of PbTiO ₃ Nanotubes by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2009, 48, 09KA05.	1.5	21
51	Pulsed Laser Deposition and Characterization of Sr and Zn Co-Substituted BiFeO ₃ Thin Films. Japanese Journal of Applied Physics, 2009, 48, 09KB03.	1.5	27
52	Ferroelectric and structural properties of stress-constrained and stress-relaxed polycrystalline BiFeO ₃ thin films. Journal of Applied Physics, 2009, 105, 061617.	2.5	20
53	Micro-Raman Study of BiFeO ₃ Thin Films Fabricated by Chemical Solution Deposition Using Different Bi/Fe Ratio Precursors. Acta Physica Polonica A, 2009, 116, 72-74.	0.5	2
54	Influences of Surface Texture and Bi/Fe Ratio on Electric Properties of BiFeO ₃ Thin Films Prepared by Chemical Solution Deposition. Japanese Journal of Applied Physics, 2008, 47, 7250-7253.	1.5	14

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55	THE INSERTION EFFECT OF Bi-EXCESS LAYERS ON STOICHIOMETRIC BiFeO ₃ THIN FILMS PREPARED BY CHEMICAL SOLUTION DEPOSITION. Functional Materials Letters, 2008, 01, 19-24.	1.2	13
56	X-ray diffraction study of polycrystalline BiFeO ₃ thin films under electric field. Applied Physics Letters, 2008, 93, 042907.	3.3	6
57	STRESS DEPENDENCE OF FERROELECTRIC AND MAGNETOELECTRIC PROPERTIES OF BiFeO ₃ THIN FILMS ON MEMBRANE STRUCTURE. Integrated Ferroelectrics, 2007, 95, 217-225.	0.7	3
58	Preparation and Characterization of Bi-Layer-Structured Multiferroic Bi ₅ Ti ₃ FeO ₁₅ Thin Films Prepared by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2007, 46, 6952-6955.	1.5	23
59	SOL-GEL PREPARATION AND CHARACTERIZATION OF MULTIFERROIC BiFeO ₃ THIN FILMS WITH VARIOUS BI/FE RATIO. Integrated Ferroelectrics, 2007, 95, 226-233.	0.7	7
60	Computational Studies of Voltage in RF Magnetron Discharge. Japanese Journal of Applied Physics, 2005, 44, 8635-8639.	1.5	2
61	Effects of film thickness and grain size on the electrical properties of Pb(Zr,Ti)O ₃ thin films prepared by MOCVD. Ferroelectrics, 2000, 241, 183-190.	0.6	7