

Seiji Nakashima

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

449
citations

12
h-index

17
g-index

61
ext. papers

484
ext. citations

1.4
avg, IF

3.15
L-index

#	Paper	IF	Citations
59	Impact of film thickness on the external quantum efficiency of bulk photovoltaic effects in Mn-doped BiFeO ₃ thin films. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, SFFB02	1.4	0
58	Nonvolatile operation of vertical ferroelectric gate-all-around nanowire transistors. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, SFFB10	1.4	
57	Atomic structure stabilization in BiFeO ₃ thin film by Mn doping. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, 010602	1.4	3
56	X-ray absorption and photoemission spectroscopy of bulk insulating materials using graphene. <i>Journal of Applied Physics</i> , 2020 , 128, 015304	2.5	2
55	Composition control and introduction of an Fe ₂ O ₃ seed layer in metalorganic chemical vapor deposition of epitaxial BiFeO ₃ thin films. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 041003	1.4	4
54	Fabrication and physical properties of bismuth layer-structured ferroelectric thin films with c-axis orientation epitaxially grown by high-temperature sputtering. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SLLB09	1.4	4
53	Introduction of charged domain walls into BiFeO ₃ thin films using a pit-patterned SrTiO ₃ (001) substrate. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SLLB02	1.4	1
52	Bulk photovoltaic effects in Mn-doped BiFeO ₃ thin films and the optical strains. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 11UF11	1.4	4
51	Domain structure of BiFeO ₃ thin films grown on patterned SrTiO ₃ (001) substrates. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 10PF17	1.4	0
50	Electric-field-induced lattice distortion in epitaxial BiFeO ₃ thin films as determined by in situ time-resolved x-ray diffraction. <i>Applied Physics Letters</i> , 2017 , 111, 082907	3.4	2
49	Self-regulation of Bi/(Bi+Fe) ratio in metalorganic chemical vapor deposition of BiFeO ₃ thin films. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 10PF05	1.4	4
48	Light stability tests of CH ₃ NH ₃ PbI ₃ perovskite solar cells using porous carbon counter electrodes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27102-27108	3.6	36
47	ZnO/(Hf,Zr)O ₂ /ZnO-trilayered nanowire capacitor structure fabricated solely by metalorganic chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 02BC08	1.4	1
46	Growth of epitaxial Mn and Zn codoped BiFeO ₃ thin films and an enhancement of photovoltage generated by a bulk photovoltaic effect. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 10TA07	1.4	7
45	Strain evolution of epitaxial tetragonal-like BiFeO ₃ thin films on LaAlO ₃ (001) substrates prepared by sputtering and their bulk photovoltaic effect. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 101501	1.4	14
44	Influence of the polarization direction of light on the anomalous photovoltaic effect in BiFeO ₃ thin films. <i>Journal of the Korean Physical Society</i> , 2015 , 66, 1389-1393	0.6	7
43	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. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 10NA01	1.4	9

42	Introduction of an artificial domain wall into BiFeO ₃ thin film using SrTiO ₃ bicrystal substrate. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 10NA06	1.4	4
41	Anomalous photovoltaic effects in Pt/single-domain-structured BiFeO ₃ /Pt coplanar capacitors on SrTiO ₃ substrates. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 10NA16	1.4	14
40	Effects of deposition temperature on characteristics of ferroelectric Sr ₂ Bi ₄ Ti ₅ O ₁₈ nanoplates fabricated by RF sputtering. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 09PA02	1.4	2
39	Thicknesses of domain walls in rhombohedral BiFeO ₃ thin films evaluated by scanning nonlinear dielectric microscopy. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 09PA13	1.4	9
38	Current conduction in single-domain BiFeO ₃ thin films. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 08NA01	1.4	1
37	Bulk photovoltaic effect in a BiFeO ₃ thin film on a SrTiO ₃ substrate. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 09PA16	1.4	23
36	Growth and local structure of BiFeO ₃ thin films with giant tetragonality on SrRuO ₃ -buffered SrTiO ₃ (001) substrate by ion beam sputtering. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 05FE05	1.4	5
35	Lattice distortions and piezoelectric properties in (Bi _{3.25} Nd _{0.75} Eu _x)Ti ₃ O ₁₂ nanoplates with a- and b-axis orientations. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 02BC07	1.4	3
34	Two-step growth of ZnO nanorods by using MOCVD and control of their diameters and surface densities. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 1164-1168	0.6	8
33	Fabrication of inorganic-organic composites containing ferroelectric nanoplates and evaluation of their piezoelectric response characteristics. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 999-1003	0.6	3
32	Preparation of epitaxial BiFeO ₃ thin films on La-SrTiO ₃ substrate by using magnetic-field-assisted pulsed laser deposition. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 1041-1045	0.6	4
31	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. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 09KB03	1.4	6
30	Effects of Eu ³⁺ Doping on Characteristics of (Bi _{3.25} Nd _{0.75})Ti ₃ O ₁₂ Nanoplates. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 09KA10	1.4	4
29	Repetition Rate Dependence of Ferroelectric Properties of Polycrystalline BiFeO ₃ Films Prepared by Pulsed Laser Deposition Method. <i>Ferroelectrics</i> , 2013 , 453, 1-7	0.6	3
28	Fabrication of PZT/ZnO Core-Shell Nanowires by Metalorganic Chemical Vapor Deposition 2012 ,		1
27	Selective growth of ZnO nanorods and their applications to ferroelectric nanorods. <i>Journal of Applied Physics</i> , 2012 , 112, 034111	2.5	12
26	Switching Current Measurements of Self-Assembled Ferroelectric PbTiO ₃ Nanoislands Using Scanning Probe Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 021501	1.4	3
25	Ferroelectric and Piezoelectric Properties of Polycrystalline BiFeO ₃ Thin Films Prepared by Pulsed Laser Deposition under Magnetic Field. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09MD05	1.4	3

24	Size Dependence of Ferroelectric Polarization in PbTiO ₃ Nanoislands. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LA07	1.4	3
23	Preparation and Characterization of High Quality Lead-free BiFeO ₃ Thin Films by Sputtering Process 2012 ,		2
22	Structural and Ferroelectric Properties of Domain-Structure-Controlled BiFeO ₃ Thin Films Prepared by Dual-Ion-Beam Sputtering. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LB02	1.4	3
21	Characterization of epitaxial BiFeO ₃ thin films prepared by ion beam sputtering. <i>Current Applied Physics</i> , 2011 , 11, S244-S246	2.6	7
20	Multiferroic properties of polycrystalline Zn-substituted BiFeO ₃ thin films prepared by pulsed laser deposition. <i>Current Applied Physics</i> , 2011 , 11, S270-S273	2.6	9
19	Multiferroic Properties of Polycrystalline Sr-Substituted BiFeO ₃ Thin Films Prepared by Pulsed Laser Deposition. <i>Ferroelectrics</i> , 2011 , 416, 119-124	0.6	3
18	Preparation of BiFeO ₃ Thin Films on SrRuO ₃ /SrTiO ₃ (001) Substrate by Dual Ion Beam Sputtering. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09NB01	1.4	11
17	Preparation of BiFe _{0.9} Co _{0.1} O ₃ Films by Pulsed Laser Deposition under Magnetic Field. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09NB03	1.4	8
16	Preparation and Characterization of BiFeO ₃ Thin Film Deposited on ITO Substrate by Using Pulsed Laser Deposition. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 2537-2541	0.6	5
15	X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO ₃ Thin Films at Low Temperature Using Synchrotron Radiation. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 2556-2559	0.6	3
14	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. <i>Journal of Applied Physics</i> , 2010 , 108, 074106	2.5	37
13	Improvement of ferroelectric properties of BiFeO ₃ thin films by postmetallization annealing and electric field application. <i>Journal of Applied Physics</i> , 2009 , 105, 061616	2.5	14
12	Synthesis of PbTiO ₃ Nanotubes by Metalorganic Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 09KA05	1.4	20
11	Pulsed Laser Deposition and Characterization of Sr and Zn Co-Substituted BiFeO ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 09KB03	1.4	27
10	Ferroelectric and structural properties of stress-constrained and stress-relaxed polycrystalline BiFeO ₃ thin films. <i>Journal of Applied Physics</i> , 2009 , 105, 061617	2.5	18
9	Micro-Raman Study of BiFeO ₃ Thin Films Fabricated by Chemical Solution Deposition Using Different Bi/Fe Ratio Precursors. <i>Acta Physica Polonica A</i> , 2009 , 116, 72-74	0.6	1
8	Influences of Surface Texture and Bi/Fe Ratio on Electric Properties of BiFeO ₃ Thin Films Prepared by Chemical Solution Deposition. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 7250-7253	1.4	13
7	THE INSERTION EFFECT OF BI-EXCESS LAYERS ON STOICHIOMETRIC BiFeO ₃ THIN FILMS PREPARED BY CHEMICAL SOLUTION DEPOSITION. <i>Functional Materials Letters</i> , 2008 , 01, 19-24	1.2	12

6	X-ray diffraction study of polycrystalline BiFeO ₃ thin films under electric field. <i>Applied Physics Letters</i> , 2008 , 93, 042907	3.4	6
5	STRESS DEPENDENCE OF FERROELECTRIC AND MAGNETOELECTRIC PROPERTIES OF BiFeO ₃ THIN FILMS ON MEMBRANE STRUCTURE. <i>Integrated Ferroelectrics</i> , 2007 , 95, 217-225	0.8	3
4	Preparation and Characterization of Bi-Layer-Structured Multiferroic Bi ₅ Ti ₃ FeO ₁₅ Thin Films Prepared by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 6952-6955	1.4	21
3	SOL-GEL PREPARATION AND CHARACTERIZATION OF MULTIFERROIC BiFeO ₃ THIN FILMS WITH VARIOUS BI/FE RATIO. <i>Integrated Ferroelectrics</i> , 2007 , 95, 226-233	0.8	7
2	Computational Studies of Voltage in RF Magnetron Discharge. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 8635-8639	1.4	2
1	Effects of film thickness and grain size on the electrical properties of Pb(Zr,Ti)O ₃ thin films prepared by MOCVD. <i>Ferroelectrics</i> , 2000 , 241, 183-190	0.6	7