Seiji Nakashima

List of Publications by Year
in descending order

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61	541	759233	794594
papers	citations	12 h-index	19 g-index

61	61	61	614
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and ferroelectric properties of epitaxial Bi5Ti3FeO15 and natural-superlattice-structured Bi4Ti3O12â€“Bi5Ti3FeO15 thin films. Journal of Applied Physics, 2010, 108, .	2.5	42
2	Light stability tests of CH₃NH₃PbI₃ perovskite solar cells using porous carbon counter electrodes. Physical Chemistry Chemical Physics, 2016, 18, 27102-27108.	2.8	39
3	Bulk photovoltaic effect in a BiFeO₃thin film on a SrTiO₃substrate. Japanese Journal of Applied Physics, 2014, 53, 09PA16.	1.5	32
4	Pulsed Laser Deposition and Characterization of Sr and Zn Co-Substituted BiFeO₃Thin Films. Japanese Journal of Applied Physics, 2009, 48, 09KB03.	1.5	27
5	Preparation and Characterization of Bi-Layer-Structured Multiferroic Bi5Ti3FeO15Thin Films Prepared by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2007, 46, 6952-6955.	1.5	23
6	Synthesis of PbTiO3Nanotubes by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2009, 48, 09KA05.	1.5	21
7	Improvement of ferroelectric properties of BiFeO3 thin films by postmetallization annealing and electric field application. Journal of Applied Physics, 2009, 105, .	2.5	20
8	Ferroelectric and structural properties of stress-constrained and stress-relaxed polycrystalline BiFeO3 thin films. Journal of Applied Physics, 2009, 105, 061617.	2.5	20
9	Anomalous photovoltaic effects in Pt/single-domain-structured BiFeO₃/Pt coplanar capacitors on SrTiO₃substrates. Japanese Journal of Applied Physics, 2015, 54, 10NA16.	1.5	16
10	Strain evolution of epitaxial tetragonal-like BiFeO3thin films on LaAlO3(001) substrates prepared by sputtering and their bulk photovoltaic effect. Japanese Journal of Applied Physics, 2016, 55, 101501.	1.5	15
11	Influences of Surface Texture and Bi/Fe Ratio on Electric Properties of BiFeO3Thin Films Prepared by Chemical Solution Deposition. Japanese Journal of Applied Physics, 2008, 47, 7250-7253.	1.5	14
12	THE INSERTION EFFECT OF Bi-EXCESS LAYERS ON STOICHIOMETRIC BiFeO₃ THIN FILMS PREPARED BY CHEMICAL SOLUTION DEPOSITION. Functional Materials Letters, 2008, 01, 19-24.	1.2	13
13	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
14	Selective growth of ZnO nanorods and their applications to ferroelectric nanorods. Journal of Applied Physics, 2012, 112, 034111.	2.5	12
15	Influence of Lattice Distortion Induced by a Vicinal SrTiO3(001) Substrate in Single-Domain BiFeO3Thin Films Prepared by Radio Frequency Planar Magnetron Sputtering. Japanese Journal of Applied Physics, 2013, 52, 09KB03.	1.5	11
16	Multiferroic properties of polycrystalline Zn-substituted BiFeO3 thin films prepared by pulsed laser deposition. Current Applied Physics, 2011, 11, S270-S273.	2.4	10
17	Preparation of BiFe_{0.9}Co_{0.1}O₃ Films by Pulsed Laser Deposition under Magnetic Field. Japanese Journal of Applied Physics, 2011, 50, 09NB03.	1.5	10
18	Ferroelectric and Piezoelectric Properties of Polycrystalline BiFeO₃ Thin Films Prepared by Pulsed Laser Deposition under Magnetic Field. Japanese Journal of Applied Physics, 2012, 51, 09MD05.	1.5	10

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19	Thicknesses of domain walls in rhombohedral BiFeO₃thin films evaluated by scanning nonlinear dielectric microscopy. Japanese Journal of Applied Physics, 2014, 53, 09PA13.	1.5	10
20	Growth of epitaxial Mn and Zn codoped BiFeO₃ thin films and an enhancement of photovoltage generated by a bulk photovoltaic effect. Japanese Journal of Applied Physics, 2016, 55, 10TA07.	1.5	10
21	Effects of sputtering gas pressure on physical properties of ferroelectric (Bi3.25Nd0.65Eu0.10)Ti3O12nanoplate films. Japanese Journal of Applied Physics, 2015, 54, 10NA01.	1.5	9
22	Characterization of epitaxial BiFeO3 thin films prepared by ion beam sputtering. Current Applied Physics, 2011, 11, S244-S246.	2.4	8
23	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
24	Bulk photovoltaic effects in Mn-doped BiFeO₃thin films and the optical strains. Japanese Journal of Applied Physics, 2018, 57, 11UF11.	1.5	8
25	Effects of film thickness and grain size on the electrical properties of Pb(Zr,Ti)O3thin films prepared by MOCVD. Ferroelectrics, 2000, 241, 183-190.	0.6	7
26	SOL-GEL PREPARATION AND CHARACTERIZATION OF MULTIFERROIC BiFeO₃ THIN FILMS WITH VARIOUS BI/FE RATIO. Integrated Ferroelectrics, 2007, 95, 226-233.	0.7	7
27	Effects of Eu3+Doping on Characteristics of (Bi3.25Nd0.75)Ti3O12Nanoplates. Japanese Journal of Applied Physics, 2013, 52, 09KA10.	1.5	7
28	Influence of the polarization direction of light on the anomalous photovoltaic effect in BiFeO3 thin films. Journal of the Korean Physical Society, 2015, 66, 1389-1393.	0.7	7
29	Impact of film thickness on the external quantum efficiency of bulk photovoltaic effects in Mn-doped BiFeO₃ thin films. Japanese Journal of Applied Physics, 2021, 60, SFFB02.	1.5	7
30	X-ray diffraction study of polycrystalline BiFeO3 thin films under electric field. Applied Physics Letters, 2008, 93, 042907.	3.3	6
31	Lattice distortions and piezoelectric properties in (Bi3.25Nd0.75â^'xEux)Ti3O12nanoplates witha-andb-axis orientations. Japanese Journal of Applied Physics, 2014, 53, 02BC07.	1.5	6
32	Composition control and introduction of an Fe2O3 seed layer in metalorganic chemical vapor deposition of epitaxial BiFeO3 thin films. Japanese Journal of Applied Physics, 2019, 58, 041003.	1.5	6
33	Atomic structure stabilization in BiFeO₃ thin film by Mn doping. Japanese Journal of Applied Physics, 2020, 59, 010602.	1.5	6
34	Size Dependence of Ferroelectric Polarization in PbTiO$_{3}$ Nanoislands. Japanese Journal of Applied Physics, 2012, 51, 09LA07.	1.5	5
35	Preparation of epitaxial BiFeO3 thin films on La-SrTiO3 substrate by using magnetic-field-assisted pulsed laser deposition. Journal of the Korean Physical Society, 2013, 62, 1041-1045.	0.7	5
36	Growth and local structure of BiFeO3thin films with giant tetragonality on SrRuO3-buffered SrTiO3(001) substrate by ion beam sputtering. Japanese Journal of Applied Physics, 2014, 53, 05FE05.	1.5	5

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37	Preparation and Characterization of BiFeO3 Thin Film Deposited on ITO Substrate by Using Pulsed Laser Deposition. Journal of the Korean Physical Society, 2011, 59, 2537-2541.	0.7	5
38	Repetition Rate Dependence of Ferroelectric Properties of Polycrystalline BiFeO₃Films Prepared by Pulsed Laser Deposition Method. Ferroelectrics, 2013, 453, 1-7.	0.6	4
39	Introduction of an artificial domain wall into BiFeO3thin film using SrTiO3bicrystal substrate. Japanese Journal of Applied Physics, 2015, 54, 10NA06.	1.5	4
40	Self-regulation of Bi/(Bi+Fe) ratio in metalorganic chemical vapor deposition of BiFeO₃thin films. Japanese Journal of Applied Physics, 2017, 56, 10PF05.	1.5	4
41	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
42	X-ray absorption and photoemission spectroscopy of bulk insulating materials using graphene. Journal of Applied Physics, 2020, 128, .	2.5	4
43	X-ray Diffraction Study of Electric-field-induced Strains in Polycrystalline BiFeO3 Thin Films at Low Temperature Using Synchrotron Radiation. Journal of the Korean Physical Society, 2011, 59, 2556-2559.	0.7	4
44	STRESS DEPENDENCE OF FERROELECTRIC AND MAGNETOELECTRIC PROPERTIES OF BiFeO₃ THIN FILMS ON MEMBRANE STRUCTURE. Integrated Ferroelectrics, 2007, 95, 217-225.	0.7	3
45	Mutiferroic Properties of Polycrystalline Sr-Substituted BiFeO₃Thin Films Prepared by Pulsed Laser Deposition. Ferroelectrics, 2011, 416, 119-124.	0.6	3
46	Switching Current Measurements of Self-Assembled Ferroelectric PbTiO$_{3}$ Nanoislands Using Scanning Probe Microscopy. Japanese Journal of Applied Physics, 2012, 51, 021501.	1.5	3
47	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
48	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
49	Effects of deposition temperature on characteristics of ferroelectric Sr₂Bi₄Ti₅O₁₈nanoplates fabricated by RF sputtering. Japanese Journal of Applied Physics, 2014, 53, 09PA02.	1.5	3
50	Electric-field-induced lattice distortion in epitaxial BiFeO3 thin films as determined by in situ time-resolved x-ray diffraction. Applied Physics Letters, 2017, 111, .	3.3	3
51	Nonvolatile operation of vertical ferroelectric gate-all-around nanowire transistors. Japanese Journal of Applied Physics, 2021, 60, SFFB10.	1.5	3
52	Computational Studies of Voltage in RF Magnetron Discharge. Japanese Journal of Applied Physics, 2005, 44, 8635-8639.	1.5	2
53	Preparation and Characterization of High Quality Lead-free BiFeO3 Thin Films by Sputtering Process. , 2012, , .		2
54	Current conduction in single-domain BiFeO₃thin films. Japanese Journal of Applied Physics, 2014, 53, 08NA01.	1.5	2

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55	Micro-Raman Study of BiFeO₃Thin Films Fabricated by Chemical Solution Deposition Using Different Bi/Fe Ratio Precursors. Acta Physica Polonica A, 2009, 116, 72-74.	0.5	2
56	Fabrication of PZT/ZnO Core-Shell Nanowires by Metalorganic Chemical Vapor Deposition. , 2012, , .		1
57	ZnO/(Hf,Zr)O2/ZnO-trilayered nanowire capacitor structure fabricated solely by metalorganic chemical vapor deposition. Japanese Journal of Applied Physics, 2016, 55, 02BC08.	1.5	1
58	Domain structure of BiFeO3thin films grown on patterned SrTiO3(001) substrates. Japanese Journal of Applied Physics, 2017, 56, 10PF17.	1.5	1
59	Introduction of charged domain walls into BiFeO3 thin films using a pit-patterned SrTiO3 (001) substrate. Japanese Journal of Applied Physics, 2019, 58, SLLB02.	1.5	1
60	PbTiO3 thin films grown on Pt-covered vicinal SrTiO3(001) substrates. Journal of the Korean Physical Society, 2011, 59, 2560-2564.	0.7	1
61	Assessment of polarization-related band modulation at graphene/Mn-doped BiFeO₃ interfaces by photoemission electron microscopy. Japanese Journal of Applied Physics, 2022, 61, SN1004.	1.5	1