Kaori Nishizawa

List of Publications by Year
in descending order

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124	1,649	304602	345118
papers	citations	22 h-index	36 g-index

128	128	128	1305
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Porous calcium phosphate coating over phosphorylated chitosan film by a biomimetic method. Biomaterials, 1999, 20, 879-884.	5.7	138
2	Dielectric and piezoelectric properties of highly (100)-oriented BaTiO3 thin film grown on a Pt/TiOx/SiO2/Si substrate using LaNiO3 as a buffer layer. Journal of Crystal Growth, 2005, 284, 190-196.	0.7	84
3	Surface instability of calcium phosphate ceramics in tissue culture medium and the effect on adhesion and growth of anchorage-dependent animal cells. , 1997, 34, 507-517.		74
4	Growth of calcium phosphate on phosphorylated chitin fibres. Journal of Materials Science: Materials in Medicine, 1997, 8, 407-412.	1.7	72
5	Ferroelectric properties of alkoxy-derived CaBi4Ti4O15 thin films on Pt-passivated Si. Applied Physics Letters, 2001, 78, 1119-1121.	1.5	71
6	Growth of calcium phosphate on surface-modified cotton. Journal of Materials Science: Materials in Medicine, 1995, 6, 597-605.	1.7	63
7	Further studies of calcium phosphate growth on phosphorylated cotton fibres. Journal of Materials Science: Materials in Medicine, 1995, 6, 658-669.	1.7	51
8	Fabrication of Porous Ceramics with Well-Controlled Open Pores by Sintering of Fibrous Hydroxyapatite Particles.. Journal of the Ceramic Society of Japan, 2000, 108, 249-253.	1.3	49
9	Ferro- and piezoelectric properties of polar-axis-oriented CaBi4Ti4O15 films. Applied Physics Letters, 2004, 84, 3771-3773.	1.5	46
10	Microstructure Control and Dielectric/Piezoelectric Properties of Alkoxy-Derived Ba(Ti,Zr)O3Thin Films. Japanese Journal of Applied Physics, 2005, 44, 6885-6890.	0.8	45
11	Initial anchoring and proliferation of fibroblast L-929 cells on unstable surface of calcium phosphate ceramics. Journal of Bioscience and Bioengineering, 1999, 87, 320-327.	1.1	43
12	Grain Size Effect on Dielectric and Piezoelectric Properties of Alkoxy-Derived BaTiO3-Based Thin Films. Japanese Journal of Applied Physics, 2004, 43, 6525-6529.	0.8	42
13	Growth and adhesion of osteoblast-like cells derived from neonatal rat calvaria on calcium phosphate ceramics. Journal of Bioscience and Bioengineering, 2000, 89, 18-26.	1.1	39
14	Preparation of nanoporous TiO2 film with large surface area using aqueous sol with trehalose. Materials Letters, 2004, 58, 2751-2753.	1.3	38
15	Novel Liquid Crystalline Organicâ"Inorganic Hybrid for Highly Sensitive Photoinscriptions. Chemistry of Materials, 2009, 21, 2624-2631.	3.2	34
16	Bioactive Properties of Chitin/Chitosanâ€"Calcium Phosphate Composite Materials. Journal of Sol-Gel Science and Technology, 2001, 21, 105-113.	1.1	31
17	Platinum-assisted phase transition in bismuth-based layer-structured ferroelectric CaBi4Ti4O15 thin films. Applied Physics Letters, 2002, 81, 3227-3229.	1.5	31
18	Preparation of thick TiO2film with large surface area using aqueous sol with poly(ethylene glycol). Journal of Materials Science, 2004, 39, 699-701.	1.7	30

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19	Low-temperature chemical fabrication of Pt-WO 3 gasochromic switchable films using UV irradiation. Solar Energy Materials and Solar Cells, 2017, 170, 21-26.	3.0	30
20	Electrical properties of (100)-predominant BaTiO3 films derived from alkoxide solutions of two concentrations. Acta Materialia, 2006, 54, 3893-3898.	3.8	29
21	Effects of the surface wettability and zeta potential of bioceramics on the adhesiveness of anchorage-dependent animal cells. Journal of Bioscience and Bioengineering, 1993, 75, 435-437.	0.9	24
22	Time-dependent variation of the surface structure of bioceramics in tissue culture medium and the effect on adhesiveness of cells. Journal of Bioscience and Bioengineering, 1996, 81, 226-232.	0.9	24
23	Ferroelectric properties of alkoxy-derived CaBi2Ta2O9 thin films. Journal of Applied Physics, 2000, 88, 3779-3780.	1.1	22
24	Comparison of Microstructure and Ferroelectric Properties of Alkoxy-Derived MBi4Ti4O15(M: Ca or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	22
25	Preparation of (Y,Yb)MnO3/Y2O3/Si (MFIS) Structure by Chemical Solution Deposition Method. Japanese Journal of Applied Physics, 2003, 42, 6007-6010.	0.8	19
26	Impact of oxygen ambient on ferroelectric properties of polar-axis-oriented CaBi4Ti4O15 films. Applied Physics Letters, 2005, 86, 112901.	1.5	19
27	Growth of calcium phosphate on ion-exchange resins pre-saturated with calcium or hydrogenphosphate ions: an SEM/EDX and XPS study. Journal of Materials Science: Materials in Medicine, 1995, 6, 409-419.	1.7	18
28	Preparation of Calcium-Strontium Apatite through Mechanochemical Method. Chemistry Letters, 1996, 25, 91-92.	0.7	18
29	Micropatterning of titanium oxide film via phototactic mass transport. Journal of Materials Chemistry, 2009, 19, 7191.	6.7	18
30	Ferroelectric Property of Alkoxy-Derived YMnO3Films Crystallized in Argon. Japanese Journal of Applied Physics, 2003, 42, 5692-5695.	0.8	17
31	Control of crystallization and crystal orientation of alkoxy-derived SrBi₂Ta₂O₉ thin films by ultraviolet irradiation. Journal of Materials Research, 2003, 18, 899-907.	1.2	17
32	Thickness Dependence of Electrical Properties of Highly (100)-Oriented BaTiO3Thin Films Prepared by One-Step Chemical Solution Deposition. Japanese Journal of Applied Physics, 2006, 45, 855-859.	0.8	17
33	Wettability of Calcium Phosphate Ceramics by Water. Journal of the Ceramic Society of Japan, 1995, 103, 46-49.	1.3	16
34	Chemical Approach Using Tailored Liquid Sources for Traditional and Novel Ferroelectric Thin Films. Japanese Journal of Applied Physics, 2002, 41, 6829-6835.	0.8	16
35	Novel chemical processing for crystallization of SrBi2Ta2O9 thin films via UV irradiation. Materials Letters, 2002, 52, 20-23.	1.3	15
36	In-vitro calcium phosphate growth over functionalized cotton fibers. Journal of Materials Science: Materials in Medicine, 1999, 10, 395-400.	1.7	14

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37	Low-temperature chemical fabrication of WO3 gasochromic switchable films: a comparative study of Pd and Pt nanoparticles dispersed WO3 films based on their structural and chemical properties. Thin Solid Films, 2020, 709, 138201.	0.8	13
38	Hydroxyapatite coating on alumina ceramics by an oxidative decomposition method of EDTA-calcium chelate. Journal of Materials Science Letters, 1996, 15, 179-181.	0.5	12
39	Calcium phosphate compoundâ€“cellulose fiber composite material prepared in soaking medium at 36.5â€“60 Â°C. Journal of Materials Research, 1998, 13, 922-925.	1.2	12
40	Preparation and orientation control of RMnO3 (R=Y, Yb) thin film by chemical solution deposition. Journal of Crystal Growth, 2002, 237-239, 482-486.	0.7	12
41	Preparation of Layer-Structured CaBi2Ta2O9Ferroelectric Thin Films through a Triple Alkoxide Route. Japanese Journal of Applied Physics, 2000, 39, 5501-5504.	0.8	11
42	Synthesis of Ferroelectric YMnO₃ Thin Film by Chemical Solution Deposition. Key Engineering Materials, 2002, 214-215, 151-156.	0.4	10
43	Effects of Annealing Conditions on Crystallization of Hexagonal Manganite Films. Ferroelectrics, 2002, 270, 99-104.	0.3	10
44	Ferroelectric Properties of (Y,Yb)MnO₃ Thin Films Prepared Using Alkoxide Solutions. Key Engineering Materials, 2003, 248, 77-82.	0.4	9
45	Fabrication and Characterization of Ba(Ti,Zr)O3 Thin Films Through the Chemical Solution Deposition Process. Integrated Ferroelectrics, 2004, 64, 227-236.	0.3	9
46	Composition Dependence of Microstructure and Dielectric Properties in Alkoxy-Derived Ba(Ti,Zr)O3Thin Films. Japanese Journal of Applied Physics, 2006, 45, 155-159.	0.8	9
47	Surface Modification of Calcium Phosphate Ceramics with Silane Coupling Reagents.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1995, 1995, 63-67.	0.1	8
48	Novel (Y,Yb)MnO3 Thin Films for FeRAM Application. Integrated Ferroelectrics, 2004, 65, 117-123.	0.3	8
49	INVESTIGATION OF ELECTRICAL PROPERTIES FOR (Y,Yb)MnO3/HfO2/Si and (Y,Yb)MnO3/Y2O3/Si STRUCTURES. Integrated Ferroelectrics, 2005, 75, 17-25.	0.3	8
50	Surface morphology control of zirconia thin films prepared using novel photochromic molecules. Thin Solid Films, 2008, 516, 2635-2638.	0.8	8
51	Preparation of Nanoporous TiO₂ Film Using Aqueous Sol with Trehalose. Key Engineering Materials, 2004, 269, 87-90.	0.4	7
52	Wavelength Dependence of Crystallization of Alkoxy-Derived ZrO2 Thin Films Prepared by Ultraviolet Irradiation. Journal of Materials Research, 2005, 20, 3133-3140.	1.2	7
53	Effects of Substrates on Alkoxy-Derived (Y,Yb)MnO 3 Thin Films. Integrated Ferroelectrics, 2002, 47, 91-100.	0.3	6
54	Compositional Dependence of Ferroelectric Properties for (Y,Yb)MnO3 Thin Films Prepared by Chemical Solution Deposition. Integrated Ferroelectrics, 2003, 52, 55-61.	0.3	6

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55	Effects of Î²-diketone Addition on Crystallinity of Photo-Assisted Alkoxy-Derived Zirconia Thin Films. Key Engineering Materials, 2004, 269, 125-128.	0.4	6
56	Composition Dependence of Lead-Free Ferroelectric Ba(Ti,Zr)O₃ Thin Films Fabricated by Chemical Solution Deposition Process. Key Engineering Materials, 2004, 269, 57-60.	0.4	6
57	Effects of Hydrolysis on Photochromic ZrO₂ Precursor Solutions. Key Engineering Materials, 2006, 301, 87-90.	0.4	6
58	Characterization of Dielectric Properties of Alkoxy-Derived (Y,Yb)MnO₃ Ferroelectrics/Insulator Stacking Layers. Key Engineering Materials, 2006, 301, 65-70.	0.4	6
59	Title is missing!. Journal of Materials Science Letters, 1999, 18, 367-368.	0.5	5
60	Phase transition, ferroelectric, and dielectric properties of layer-structured perovskite CaBi3Ti3O12â˜Î´ thin films. Applied Physics Letters, 2001, 79, 397-399.	1.5	5
61	Photo-Assisted Control of Surface Morphology of Alkoxy-Derived ZrO₂ Thin Films. Key Engineering Materials, 2002, 228-229, 147-154.	0.4	5
62	Current Status of Bi-Based Precursors for Integrated Ferroelectrics. Integrated Ferroelectrics, 2004, 62, 133-140.	0.3	5
63	Effect of amorphous TiO2 buffer layer on the phase formation of CaBi4Ti4O15 ferroelectric thin films. Applied Physics A: Materials Science and Processing, 2005, 81, 861-864.	1.1	5
64	Synthesis of a New Photochromic ZrO₂ Precursor for Preparation of Functional Thin Films. Key Engineering Materials, 2006, 320, 175-178.	0.4	5
65	IMPROVEMENT OF ALKOXY-DERIVED HfO2 LAYERS FOR (Y, Yb)MnO3/HfO2/Si STRUCTURES. Integrated Ferroelectrics, 2006, 84, 121-127.	0.3	5
66	Photo-assisted crystallization of zirconia thin films and their electrical evaluation. Thin Solid Films, 2007, 515, 4004-4010.	0.8	5
67	Microstructure control of porous alumina film using aqueous sol containing poly(ethylene glycol). Journal of Electroceramics, 2008, 21, 524-527.	0.8	5
68	Calcium Phosphate Formation on the Phosphorylated Chitin Samples from SBF Solution. Key Engineering Materials, 2001, 192-195, 307-310.	0.4	4
69	Structure and Ferroelectric Properties of Alkoxy-Derived Ca2Bi4Ti5O18Thin Films on Pt(111)/TiOx/SiO2/Si(100). Japanese Journal of Applied Physics, 2002, 41, 2110-2114.	0.8	4
70	Characterization of Dielectric Properties of Alkoxy-Derived (Y,Yb)MnO₃ Ferroelectrics /HfO₂ Stacking Layers. Key Engineering Materials, 2006, 320, 73-76.	0.4	4
71	Improvement of Orientation and Characterization of Dielectric Property for (Y,Yb)MnO₃/HfO₂/Si Structures. Key Engineering Materials, 2007, 350, 107-110.	0.4	4
72	Effect of calcination temperature on the microstructure of porous TiO2 film. Research on Chemical Intermediates, 2009, 35, 257-262.	1.3	4

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73	Effects of BaBi2Ta2O9 thin buffer layer on crystallization and electrical properties of CaBi2Ta2O9 thin films on Pt-coated silicon. Journal of Applied Physics, 2001, 89, 5088-5092.	1.1	3
74	Control of Crystallinity of Alkoxy-Derived Zirconia Thin Films by UV Irradiation. Key Engineering Materials, 2003, 248, 125-128.	0.4	3
75	Construction of MFIS Structure Using Alkoxy-Derived (Y,Yb)MnO₃ Thin Films. Key Engineering Materials, 2004, 269, 49-52.	0.4	3
76	Crystal Phase and Orientation Control in Integrated Ferroelectric CaBi₄Ti₄O₁₅ Using a Tailored Liquid of Alkoxides. International Journal of Applied Ceramic Technology, 2005, 2, 64-72.	1.1	3
77	Dielectric and Piezoelectric Properties of Ba(Ti,Zr)O₃ Thin Films Consisted of Nano-Crystals. Key Engineering Materials, 2006, 301, 53-56.	0.4	3
78	CHEMICAL SOLUTION DEPOSITION AND ELECTRICAL PROPERTIES OF (100)-PREDOMINANT BaTiO3 THICKER FILMS. Integrated Ferroelectrics, 2007, 88, 51-57.	0.3	3
79	Photo-assisted crystallization of zirconia thin films prepared using chelate compounds. Journal of Materials Research, 2007, 22, 2608-2616.	1.2	3
80	Structure and piezoelectric properties of 1-Î¼m-thick polar-axis-oriented CaBi4Ti4O15 films. Applied Physics A: Materials Science and Processing, 2007, 87, 637-640.	1.1	3
81	New Preparation Method of Visible Light Responsive Titanium Dioxide Photocatalytic Films. Materials Sciences and Applications, 2014, 05, 112-123.	0.3	3
82	Surface Modification of Bioceramics by Silane Coupling Agent and Their Evaluation. Journal of the Ceramic Society of Japan, 1998, 106, 709-714.	1.3	2
83	Low-temperature synthesis in vacuum of c-axis oriented ferroelectric YMnO3 thin films using alkoxy-derived precursors. Integrated Ferroelectrics, 2001, 40, 155-162.	0.3	2
84	Synthesis of YMnO3thin films from alkoxy-derived precursors. Ferroelectrics, 2001, 263, 285-290.	0.3	2
85	Effect of Polymer Addition on Microstructure of Porous TiO₂ Film. Key Engineering Materials, 2002, 228-229, 131-136.	0.4	2
86	Effects of Composition on Crystallographic Properties of Alkoxy-Derived (Y,Yb)MnO₃ Thin Films. Key Engineering Materials, 2002, 228-229, 141-146.	0.4	2
87	Novel Ferroelectric Candidates in a Series of ABi4Ti4O15 (A: Alkaline Earth Metals) Thin Films. Integrated Ferroelectrics, 2003, 52, 3-10.	0.3	2
88	A New Preparation Method of Visible Light Responsive Titanium Dioxide Photocatalytic Films by Ultraviolet Irradiation. Materials Science Forum, 0, 658, 487-490.	0.3	2
89	Room-temperature fabrication of Pt nanoparticle-dispersed porous WO3 gasochromic switchable films using oxalic acid. Solar Energy Materials and Solar Cells, 2022, 245, 111891.	3.0	2
90	Ferroelectric and Fatigue Properties of Alkoxy-Derived CaBi2Ta2O9 Thin Films. Materials Research Society Symposia Proceedings, 2000, 655, 126.	0.1	1

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91	Production of poly-Î²-hydroxybutyric acid by microorganisms accumulated from river water using a two-stage perfusion culture system. Journal of Bioscience and Bioengineering, 2000, 89, 97-99.	1.1	1
92	Control of Crystal Structure of SrBi₂Ta₂O₉ Thin Films by UV Irradiation. Key Engineering Materials, 2001, 214-215, 145-150.	0.4	1
93	Platinum-Accelerated Phase Transition in Bismuth-Based Layer-Structured Ferroelectric Thin Films. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	1
94	Characterization of (Y,Yb)MnO3/Y2O3/Si Prepared from Alkoxide Solutions. Ferroelectrics, 2005, 329, 107-111.	0.3	1
95	Structure and Electrical Properties of Highly (100)-Oriented Ba(Zr_{0.05}Ti_{0.95})O₃ Films Prepared by Chemical Solution Deposition. Advanced Materials Research, 2006, 11-12, 101-104.	0.3	1
96	Electrochemical Properties of Nanoporous TiO₂ Films. Key Engineering Materials, 2006, 301, 83-86.	0.4	1
97	Chemically Deposited (100)-Oriented BaTiO₃ Films with Highly Concentrated Solution Using High Crystallinity BaTiO₃ as a Buffer Layer. Key Engineering Materials, 2006, 320, 77-80.	0.4	1
98	Preparation and Characterization of Porous Alumina Film Using Sol Containing PEG. Key Engineering Materials, 2006, 320, 159-162.	0.4	1
99	Microstructure Control of Porous Alumina Film Using Aqueous Sol Containing Trehalose. Key Engineering Materials, 2007, 350, 7-10.	0.4	1
100	Construction and characterization of alkoxy-derived (Y,Yb)MnO3/HfO2/Si structures for FeRAM application. Journal of Sol-Gel Science and Technology, 2007, 42, 251-256.	1.1	1
101	Influence of Calcination Temperature on the Microstructure of Porous TiO₂ Film. Materials Science Forum, 0, 569, 17-20.	0.3	1
102	A New Preparation Method of Visible Light Responsive Titanium Dioxide Photocatalytic Films by Sol-Gel Method. Materials Science Forum, 2009, 620-622, 675-678.	0.3	1
103	Photocatalytic Activity of Porous TiO₂ Film Prepared by Dip-Coating Technique Using Sol Containing Trehalose. Materials Science Forum, 2009, 620-622, 691-694.	0.3	1
104	Relation between Phosphorus Amounts Absorbed by Volcanic Ash Fall Deposits and its Calcinating Temperature. Materials Science Forum, 0, 658, 101-104.	0.3	1
105	Preparation and Evaluation of Mullite Ceramics Carrier for Immobilization of Enzyme. Journal of the Ceramic Society of Japan, 1992, 100, 1376-1380.	1.3	0
106	Chemical processing and characterization of ferroelectric thin films of bismuth-based layer-structured perovskite cabi4ti4o15 with the octahedron number of 4. Integrated Ferroelectrics, 2001, 36, 321-329.	0.3	0
107	Preparation and Ferroelectric Properties of CaBi₂Ta₂O₉/BaBi₂Ta₂O₉ Thin Films on Pt-Passivated Silicon. Key Engineering Materials, 2001, 214-215, 139-144.	0.4	0
108	Preparation and Characterization of Layer-Structured Perovskite Ca_XBi_{4-X}Ti₃O_{12-X/2} (X = 1, 2) Thin Films. Key Engineering Materials, 2002, 228-229, 93-98.	0.4	0

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109	Special Issue Ceramics Integration. Integration of Ferroelectric Ca2Bi4Ti5O18 Thin Films on Pt-Passivated Si via Spin-Coating Technique.. Journal of the Ceramic Society of Japan, 2002, 110, 403-407.	1.3	0
110	Ferroelectric characteristics of silicate-bound Bi4Ti3O12 thin films. Applied Physics A: Materials Science and Processing, 2005, 80, 271-273.	1.1	0
111	Structure and ferro-/piezoelectric properties of bimorph-shape CaBi4Ti4O15 films on Pt foils. Applied Physics A: Materials Science and Processing, 2005, 80, 1481-1484.	1.1	0
112	Ferro- and Piezoelectric Properties of CaBi4Ti4O15 Films with Polar Axis Orientation. Integrated Ferroelectrics, 2005, 69, 143-149.	0.3	0
113	Downsizing of HfO2Layer for Pt/(Y,Yb)MnO3/HfO2/Si Structure. Japanese Journal of Applied Physics, 2006, 45, 7332-7335.	0.8	0
114	FERRO- AND PIEZOELECTRIC CHARACTERISTICS OF BOTTOM-UP FABRICATED CaBi4Ti4O15 FILMS WITH PREFERRED ORIENTATION. Integrated Ferroelectrics, 2006, 80, 21-28.	0.3	0
115	Morphology Control of Zirconia Thin Films Prepared Using Photochromic Precursors. Key Engineering Materials, 2007, 350, 133-136.	0.4	0
116	Construction of the (Y,Yb)MnO3/HfO2Stacking Layers through the Chemical Solution Process. Ferroelectrics, 2007, 357, 196-200.	0.3	0
117	Bottom-up fabrication and piezoelectric properties of CaBi4Ti4O15 micro-plateaus. Applied Physics A: Materials Science and Processing, 2007, 88, 273-276.	1.1	0
118	Surface Roughness Control of Zirconia Films Using a Novel Photoresponsive Precursor Molecule for Improving its Photocatalytic Activity. Materials Science Forum, 0, 569, 13-16.	0.3	0
119	Influence by Difference of the Photocatalyst Nanoparticle Shape to Skin. Materials Science Forum, 0, 620-622, 659-662.	0.3	0
120	Effect of Calcination Temperature on the Photocatalytic Activity of Porous TiO₂ Film. Materials Science Forum, 2010, 658, 495-498.	0.3	0
121	Relationship between Chemical Composition and the Amount of Phosphorus Adsorbed. Materials Science Forum, 0, 695, 141-144.	0.3	0
122	Visible Light Responsive Titanium Dioxide Photocatalysts Prepared by Ultraviolet Irradiation. Materials Science Forum, 2011, 695, 497-500.	0.3	0
123	Adsorption of Bromic Acid Ion in Water by the Reduced Titanium Oxide. Materials Science Forum, 2012, 724, 97-100.	0.3	0
124	Polar Axis Orientation and Electrical Properties of Alkoxy-Derived One Micro-Meter-Thick Ferro-/Piezoelectric Films. , 0, , 33-42.		0