Satoshi Wada

List of Publications by Year
in descending order

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313 papers	7,088 citations	61984 43 h-index	76900 74 g-index
321 all docs	321 docs citations	321 times ranked	4847 citing authors

#	Article	IF	Citations
1	Enhanced Piezoelectric Property of Barium Titanate Single Crystals with Engineered Domain Configurations. Japanese Journal of Applied Physics, 1999, 38, 5505-5511.	1.5	346
2	Enhanced piezoelectric properties of barium titanate single crystals with different engineered-domain sizes. Journal of Applied Physics, 2005, 98, 014109.	2.5	319
3	Crystallographically engineered BaTiO3 single crystals for high-performance piezoelectrics. Journal of Applied Physics, 1999, 86, 2746-2750.	2.5	272
4	Preparation of nm-Sized Barium Titanate Fine Particles and Their Powder Dielectric Properties. Japanese Journal of Applied Physics, 2003, 42, 6188-6195.	1.5	201
5	Composite structure and size effect of barium titanate nanoparticles. Applied Physics Letters, 2008, 93, .	3.3	189
6	Preparation of [110] Grain Oriented Barium Titanate Ceramics by Templated Grain Growth Method and Their Piezoelectric Properties. Japanese Journal of Applied Physics, 2007, 46, 7039-7043.	1.5	180
7	Size effect on the crystal structure of barium titanate nanoparticles. Journal of Applied Physics, 2005, 98, 014313.	2.5	169
8	Size and temperature induced phase transition behaviors of barium titanate nanoparticles. Journal of Applied Physics, 2006, 99, 054311.	2.5	141
9	Engineered domain configuration in rhombohedral PZN-PT single crystals and their ferroelectric related properties. Ferroelectrics, 1999, 221, 147-155.	0.6	137
10	Influence of CuO on the Structure and Piezoelectric Properties of the Alkaline Niobate-Based Lead-Free Ceramics. Journal of the American Ceramic Society, 2007, 90, 1787-1791.	3.8	128
11	E-field induced phase transition in ã€˜001ã€‰-oriented rhombohedral 0.92Pb(Zn1/3Nb2/3)O3â€“0.08PbTiO3 crystals. Journal of Applied Physics, 1999, 85, 1080-1083.	2.5	127
12	Poling Treatment and Piezoelectric Properties of Potassium Niobate Ferroelectric Single Crystals. Japanese Journal of Applied Physics, 2001, 40, 5690-5697.	1.5	116
13	Analysis of lattice vibration in fine particles of barium titanate single crystal including the lattice hydroxyl group. Journal of Applied Physics, 1996, 80, 5223-5233.	2.5	106
14	In situ growth BaTiO3 nanocubes and their superlattice from an aqueous process. Nanoscale, 2012, 4, 1344.	5.6	105
15	Growth condition dependence of morphology and electric properties of ZnO films on sapphire substrates prepared by molecular beam epitaxy. Journal of Applied Physics, 2003, 93, 1961-1965.	2.5	100
16	Role of Lattice Defects in the Size Effect of Barium Titanate Fine Particles. Journal of the Ceramic Society of Japan, 1996, 104, 383-392.	1.3	98
17	Structural and electrical characteristics of potential candidate lead-free BiFeO3-BaTiO3 piezoelectric ceramics. Journal of Applied Physics, 2017, 122, .	2.5	95
18	Characteristics of CeO₂ Nanocubes and Related Polyhedra Prepared by Using a Liquidâ˜Liquid Interface. Crystal Growth and Design, 2010, 10, 4537-4541.	3.0	94

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19	Enhanced Piezoelectric Properties of Piezoelectric Single Crystals by Domain Engineering. Materials Transactions, 2004, 45, 178-187.	1.2	86
20	Artificial ferroelectricity in perovskite superlattices. Applied Physics Letters, 2004, 85, 5016-5018.	3.3	81
21	Enhanced Piezoelectric Properties of Potassium Niobate Single Crystals by Domain Engineering. Japanese Journal of Applied Physics, 2004, 43, 6692-6700.	1.5	80
22	Piezoelectric properties of high Curie temperature barium titanateâ€“bismuth perovskite-type oxide system ceramics. Journal of Applied Physics, 2010, 108, .	2.5	78
23	Growth of monodispersed SrTiO3 nanocubes by thermohydrolysis method. CrystEngComm, 2011, 13, 3878.	2.6	78
24	Change of Macroscopic and Microscopic Symmetry of Barium Titanate Single Crystal around Curie Temperature. Japanese Journal of Applied Physics, 1998, 37, 5385-5393.	1.5	76
25	Dielectric properties of BaTiO[sub 3]/SrTiO[sub 3] superlattices measured with interdigital electrodes and electromagnetic field analysis. Journal of Applied Physics, 2003, 94, 7923.	2.5	75
26	Molecular regulatory mechanisms of osteoclastogenesis through cytoprotective enzymes. Redox Biology, 2016, 8, 186-191.	9.0	74
27	Dielectric Properties of BaTiO3-Based Ceramics under High Electric Field. Japanese Journal of Applied Physics, 2002, 41, 6929-6933.	1.5	73
28	The Effect of the Particle Sizes and the Correlational Sizes of Dipoles Introduced by the Lattice Defects on the Crystal Structure of Barium Titanate Fine Particles. Japanese Journal of Applied Physics, 1995, 34, 5368-5379.	1.5	68
29	Dielectric and optical properties of BaTiO3/SrTiO3 and BaTiO3/BaZrO3 superlattices. Journal of Applied Physics, 2002, 91, 2284-2289.	2.5	67
30	Domain size engineering in tetragonal Pb(In1/2Nb1/2)O3-Pb(Mg1/3Nb2/3)O3-PbTiO3 crystals. Journal of Applied Physics, 2011, 110, 84110-841106.	2.5	65
31	Enhancement of Q_mby co-doping of Li and Cu to potassium sodium niobate lead-free ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 980-987.	3.0	61
32	Alumina Thick Films as Integral Substrates Using Aerosol Deposition Method. Japanese Journal of Applied Physics, 2004, 43, 5414-5418.	1.5	57
33	Preparation of Barium Titanate Fine Particles by Hydrothermal Method and Their Characterization. Journal of the Ceramic Society of Japan, 1995, 103, 1220-1227.	1.3	56
34	A new effect of ultrasonication on the formation of BaTiO3 nanoparticles. Ultrasonics Sonochemistry, 2010, 17, 310-314.	8.2	52
35	RANKL induces Bach1 nuclear import and attenuates Nrf2â€mediated antioxidant enzymes, thereby augmenting intracellular reactive oxygen species signaling and osteoclastogenesis in mice. FASEB Journal, 2017, 31, 781-792.	0.5	52
36	Evaluation and Statistical Analysis of Dielectric Permittivity of BaTiO3 Powders. Journal of the American Ceramic Society, 2006, 89, 1337-1341.	3.8	50

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37	Dimethyl fumarate inhibits osteoclasts via attenuation of reactive oxygen species signalling by augmented antioxidation. Journal of Cellular and Molecular Medicine, 2018, 22, 1138-1147.	3.6	50
38	Preparation of Pb(Zr0.53Ti0.47)O3Thick Films by an Interfacial Polymerization Method on Silicon Substrates and Their Electric and Piezoelectric Properties. Japanese Journal of Applied Physics, 2000, 39, 5604-5608.	1.5	49
39	Broken symmetry in low-temperature BaTiO3 phases: Strain effects probed by Raman scattering. Applied Physics Letters, 1999, 75, 3393-3395.	3.3	47
40	Characteristics of Multilayered Nanostructures of CeO₂ Nanocrystals Self-Assembled on an Enlarged Liquidâ€“Gas Interface. Crystal Growth and Design, 2011, 11, 4129-4134.	3.0	47
41	Crystal structure, electron density and diffusion path of the fast-ion conductor copper iodide CuI. Journal of Materials Chemistry, 2006, 16, 4393.	6.7	46
42	Gas-sensing properties of ultrathin zinc oxide films. Sensors and Actuators B: Chemical, 1993, 14, 594-595.	7.8	45
43	Revealing the role of heat treatment in enhancement of electrical properties of lead-free piezoelectric ceramics. Journal of Applied Physics, 2017, 122, .	2.5	45
44	Enhanced piezoelectric response of BaTiO3â€“KNbO3 composites. Applied Physics Letters, 2011, 99, .	3.3	44
45	Structural, Dielectric, and Piezoelectric Properties of Mn-Doped BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO₃ Ceramics. Japanese Journal of Applied Physics, 2011, 50, 09ND07.	1.5	42
46	Structural, Dielectric, and Piezoelectric Properties of Mn-Doped BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO₃Ceramics Japanese Journal of Applied Physics, 2011, 50, 09ND07.	1.5	42
47	Dielectric relaxation in gigahertz region and phase transition of BaTiO3-based ceramics. Journal of Applied Physics, 2006, 100, 024106.	2.5	41
48	A new approach for the preparation of SrTiO3 nanocubes. Ceramics International, 2013, 39, 3231-3234.	4.8	41
49	Effects of Manganese Addition on Piezoelectric Properties of the (K, Na, Li)(Nb, Ta, Sb)O3 Lead-Free Ceramics. Journal of the Ceramic Society of Japan, 2007, 115, 250-253.	1.3	40
50	Electric field induced lattice strain in pseudocubic Bi(Mg1/2Ti1/2)O3-modified BaTiO3-BiFeO3 piezoelectric ceramics. Applied Physics Letters, 2016, 108, .	3.3	40
51	Nano-sized cube-shaped single crystalline oxides and their potentials; composition, assembly and functions. Advanced Powder Technology, 2014, 25, 1401-1414.	4.1	39
52	Fabrication of [100]-oriented bismuth sodium titanate ceramics with small grain size and high density for piezoelectric materials. Journal of the European Ceramic Society, 2014, 34, 1169-1180.	5.7	38
53	Structural, dielectric, and piezoelectric properties of BaTiO3-Bi(Ni1/2Ti1/2)O3 ceramics. Journal of the Ceramic Society of Japan, 2012, 120, 30-34.	1.1	37
54	Alendronate promotes bone formation by inhibiting protein prenylation in osteoblasts in rat tooth replantation model. Journal of Endocrinology, 2013, 219, 145-158.	2.6	37

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55	Domain Contribution to Direct and Converse Piezoelectric Effects of PZT Ceramics. Japanese Journal of Applied Physics, 2004, 43, 7618-7622.	1.5	36
56	Mechanism of Capacitance Aging under DC Electric Fields in Multilayer Ceramic Capacitors with X7R Characteristics. Japanese Journal of Applied Physics, 2005, 44, 6989-6994.	1.5	36
57	Domain Wall Engineering in Lead-Free Piezoelectric Crystals. Ferroelectrics, 2007, 355, 37-49.	0.6	36
58	Growth of BaTiO3 nanoparticles in ethanolâ€“water mixture solvent under an ultrasound-assisted synthesis. Chemical Engineering Journal, 2011, 170, 333-337.	12.7	36
59	Structural and dielectric properties of perovskite-type artificial superlattices. Thin Solid Films, 2006, 509, 13-17.	1.8	35
60	Preparation of Barium Titanateâ€“Potassium Niobate Solid Solution System Ceramics and Their Piezoelectric Properties. Japanese Journal of Applied Physics, 2008, 47, 7678-7684.	1.5	35
61	Oriented aggregation of BaTiO3 nanocrystals and large particles in the ultrasonic-assistant synthesis. CrystEngComm, 2010, 12, 3441.	2.6	34
62	Microstructure of BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO₃Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2012, 51, 09LD04.	1.5	34
63	Preparation and crystal structure of a new tin titanate containing Sn2+; Sn2TiO4. Materials Research Bulletin, 2009, 44, 1298-1300.	5.2	33
64	Piezoelectricity in perovskite-type pseudo-cubic ferroelectrics by partial ordering of off-centered cations. Communications Materials, 2020, 1, .	6.9	33
65	Enhanced Piezoelectric Property of BaTiO₃ Single Crystals with the Different Domain Sizes. Key Engineering Materials, 2004, 269, 19-22.	0.4	32
66	Dielectric Spectra of BaTiO3-Based Materials Measured by Impedance Analyzers up to 1 GHz. Japanese Journal of Applied Physics, 2003, 42, 6143-6148.	1.5	31
67	BaTiO₃ nanocube and assembly to ferroelectric supracrystals. Journal of Materials Research, 2013, 28, 2932-2945.	2.6	31
68	Influence of quenching temperature on piezoelectric and ferroelectrics properties in BaTiO3-Bi(Mg1/2Ti1/2)O3-BiFeO3 ceramics. Ceramics International, 2018, 44, S199-S202.	4.8	31
69	Thermal Reliability of Alkaline Niobate-Based Lead-Free Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2009, 48, 09KD08.	1.5	30
70	Preparation of Highly Dispersed Barium Titanate Nanoparticles from Barium Titanyl Oxalate Nanoparticles and Their Dielectric Properties. Japanese Journal of Applied Physics, 2008, 47, 7612.	1.5	28
71	Enhancement in the piezoelectric properties of BaTiO3â€“Bi(Mg1/2Ti1/2)O3â€“BiFeO3 system ceramics by nanodomain. Ceramics International, 2013, 39, S695-S699.	4.8	27
72	Intrinsic Elastic, Dielectric, and Piezoelectric Losses in Lead Zirconate Titanate Ceramics Determined by an Immittanceâ€Fitting Method. Journal of the American Ceramic Society, 2002, 85, 1993-1996.	3.8	25

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73	Synthesis of Silver-Strontium Titanate Hybrid Nanoparticles by Sol-Gel-Hydrothermal Method. Nanomaterials, 2015, 5, 386-397.	4.1	25
74	Preparation of barium titanate nanocube particles by solvothermal method and their characterization. Journal of Materials Science, 2009, 44, 5161-5166.	3.7	24
75	Effect of thermal annealing on crystal structures and electrical properties in BaTiO3 ceramics. Journal of Applied Physics, 2018, 124, .	2.5	24
76	Ultra Wide Range Dielectric Spectroscopy of Strontium Titanate-Strontium Zirconate Solid Solution. Journal of the Ceramic Society of Japan, 2006, 114, 774-781.	1.3	23
77	Growth of Large-Scale Silver Lithium Niobate Single Crystals and Their Piezoelectric Properties. Japanese Journal of Applied Physics, 2006, 45, 7389-7396.	1.5	23
78	Preparation of barium titanate-bismuth magnesium titanate ceramics with high Curie temperature and their piezoelectric properties. Journal of the Ceramic Society of Japan, 2010, 118, 683-687.	1.1	23
79	Characterization of Bi and Fe co-doped PZT capacitors for FeRAM. Science and Technology of Advanced Materials, 2010, 11, 044402.	6.1	23
80	Nrf2 activation in osteoblasts suppresses osteoclastogenesis via inhibiting IL-6 expression.. Bone Reports, 2019, 11, 100228.	0.4	23
81	Structural Transformation of Hexagonal (0001)BaTiO₃ Ceramics to Tetragonal (111)BaTiO₃ Ceramics. Japanese Journal of Applied Physics, 2011, 50, 09ND01.	1.5	22
82	Enhanced extrinsic domain switching strain in coreâ€“shell structured BaTiO 3 â€“KNbO 3 ceramics. Acta Materialia, 2015, 98, 182-189.	7.9	22
83	Anomalous dielectric and optical properties in perovskite-type artificial superlattices. Science and Technology of Advanced Materials, 2004, 5, 425-429.	6.1	21
84	Preparation of barium titanate nanoparticle sphere arrays and their dielectric properties. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1895-1899.	3.0	21
85	Preparation of Barium Titanate and Strontium Titanate Nanocube Particles and their Accumulation Using Smart Glue. Key Engineering Materials, 2009, 421-422, 514-517.	0.4	21
86	Fabrication of Dielectric Nanocubes in Ordered Structure by Capillary Force Assisted Self-Assembly Method and Their Piezoresponse Properties. Journal of Nanoscience and Nanotechnology, 2012, 12, 3853-3861.	0.9	21
87	Influence of grain size effect and Ba/Ti ratios on dielectric, ferroelectric, and piezoelectric properties of BaTiO₃ceramics. Japanese Journal of Applied Physics, 2019, 58, SLLC05.	1.5	21
88	Preparation of Barium Titanateâ€“Potassium Niobate Nanostructured Ceramics with Artificial Morphotropic Phase Boundary Structure By Solvothermal Method. Japanese Journal of Applied Physics, 2011, 50, 09NC08.	1.5	20
89	Microstructure of BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO₃Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2012, 51, 09LD04.	1.5	20
90	Preparation of BaZrO3 cubes by composite-hydroxide-mediated approach at low temperature. Journal of the Ceramic Society of Japan, 2011, 119, 532-534.	1.1	19

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91	Low-temperature synthesis of SrZrO3 nanocubes by the composite-hydroxide-mediated approach. Journal of Crystal Growth, 2013, 376, 35-40.	1.5	19
92	In-situ electric field induced lattice strain response observation in BiFeO₃â€“BaTiO₃ lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2018, 126, 316-320.	1.1	19
93	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. Japanese Journal of Applied Physics, 2011, 50, 09NC09.	1.5	19
94	Preparation of Spherical Al₂O₃ Particle Dispersed Hydroxyapatite Ceramics. Journal of the Ceramic Society of Japan, 1993, 101, 923-927.	1.3	18
95	Piezoelectric single crystal Pb[(Zn1/3Nb2/3)0.93Ti0.07] O3 (PZNT 93/7) for ultrasonic transducers. Journal of Crystal Growth, 2002, 237-239, 848-852.	1.5	18
96	Relaxor Characteristics of BaTiO₃-Bi(Mg_{1/2}Ti_{1/2})O₃ Ceramics. Key Engineering Materials, 0, 485, 31-34.	0.4	18
97	Single Local Injection of Epigallocatechin Gallate-Modified Gelatin Attenuates Bone Resorption and Orthodontic Tooth Movement in Mice. Polymers, 2018, 10, 1384.	4.5	18
98	Crystal Structure of BaTiO₃â€“KNbO₃ Nanocomposite Ceramics: Relationship between Dielectric Property and Structure of Heteroepitaxial Interface. Japanese Journal of Applied Physics, 2012, 51, 09LE05.	1.5	17
99	Preparation of nm-Sized BaTiO₃ Crystallites by The 2-Step Thermal Decomposition of Barium Titanyl Oxalate and their Dielectric Properties. Key Engineering Materials, 2003, 248, 19-22.	0.4	16
100	Characteristics of BaTiO₃Particles Sonochemically Synthesized in Aqueous Solution. Japanese Journal of Applied Physics, 2009, 48, 09KC02.	1.5	16
101	Rising Tc in Bi and Cu co-doped BaTiO3. Materials Letters, 2010, 64, 383-385.	2.6	16
102	Compression and tension variably alter Osteoprotegerin expression via miR-3198 in periodontal ligament cells. BMC Molecular and Cell Biology, 2019, 20, 6.	2.0	16
103	Synthesis of Nanometer-Sized Barium Titanate Crystallites Using a Modified Low Temperature Direct Synthesis Method and Their Characterization.. Journal of the Ceramic Society of Japan, 2000, 108, 728-735.	1.3	15
104	Mechanism of capacitance aging under DC-bias field in X7R-MLCCs. Journal of Electroceramics, 2008, 21, 17-21.	2.0	15
105	Electron Charge Density Study of (Na1-xKx)NbO3in Cubic Structure. Japanese Journal of Applied Physics, 2008, 47, 7745-7748.	1.5	15
106	Nanostructure Control of Barium Titanateâ€“Potassium Niobate Nanocomplex Ceramics and Their Enhanced Ferroelectric Properties. Japanese Journal of Applied Physics, 2012, 51, 09LC05.	1.5	15
107	Growth of (111)-oriented BaTiO3â€“Bi(Mg0.5Ti0.5)O3 epitaxial films and their crystal structure and electrical property characterizations. Journal of Applied Physics, 2012, 111, .	2.5	15
108	Solvothermal synthesis of KNbO₃ nanocubes using various organic solvents. Journal of the Ceramic Society of Japan, 2014, 122, 547-551.	1.1	15

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109	Grain-size dependence of piezoelectric properties in thermally annealed BaTiO₃ ceramics. Journal of the Ceramic Society of Japan, 2018, 126, 536-541.	1.1	15
110	H3K9MTase G9a is essential for the differentiation and growth of tenocytes in vitro. Histochemistry and Cell Biology, 2015, 144, 13-20.	1.7	14
111	Fabrication of lead-free piezoelectric (Bi0.5Na0.5)TiO3â€“BaTiO3 ceramics using electrophoretic deposition. Journal of Materials Science, 2018, 53, 2396-2404.	3.7	14
112	Bach1 Inhibition Suppresses Osteoclastogenesis via Reduction of the Signaling via Reactive Oxygen Species by Reinforced Antioxidation. Frontiers in Cell and Developmental Biology, 2020, 8, 740.	3.7	14
113	Domain Switching Kinetics of Lead Zirconate Titinate Thin Films. Japanese Journal of Applied Physics, 2003, 42, L1519-L1522.	1.5	13
114	Preparation and Dielectric Properties of SrZrO3/SrTiO3Superlattices. Japanese Journal of Applied Physics, 2004, 43, 6530-6534.	1.5	13
115	Preparation and Dielectric Properties of 3D Barium Titanate Colloidal Sphere Array. Key Engineering Materials, 2006, 320, 127-130.	0.4	13
116	Preparation of Barium Titanate/Strontium Titanate Multilayered Nanoparticles. Key Engineering Materials, 0, 485, 305-308.	0.4	13
117	Bonding Preference of Carbon, Nitrogen, and Oxygen in Niobium-Based Rock-Salt Structures. Inorganic Chemistry, 2013, 52, 9699-9701.	4.0	13
118	Preparation of KNbO₃ nanocubes using a solvothermal method at low temperature. Journal of the Ceramic Society of Japan, 2013, 121, 693-697.	1.1	13
119	A-Disintegrin and Metalloproteinase (ADAM) 17 Enzymatically Degrades Interferon-gamma. Scientific Reports, 2016, 6, 32259.	3.3	13
120	Preparation of Barium Titanateâ€“Potassium Niobate Nanostructured Ceramics with Artificial Morphotropic Phase Boundary Structure By Solvothermal Method. Japanese Journal of Applied Physics, 2011, 50, 09NC08.	1.5	13
121	DC-plasma-assisted synthesis of diamond and alumina using liquid. Journal of the European Ceramic Society, 1998, 18, 141-145.	5.7	12
122	High frequency measurements of P-E hysteresis curves of PZT thin films. Ferroelectrics, 2001, 259, 43-48.	0.6	12
123	Preparation of PZT Thick Films by an Interfacial Polymerization Method. Journal of Sol-Gel Science and Technology, 2003, 26, 1037-1040.	2.4	12
124	Size Effect of Dielectric Properties for Barium Titanate Particles and Its Model. Key Engineering Materials, 2006, 301, 27-30.	0.4	12
125	Analysis of Composite Structures on Barium Titanate Fine Particles Using Synchrotron Radiation. Key Engineering Materials, 2006, 301, 239-242.	0.4	12
126	Domain Wall Engineering in Lead-Free Piezoelectric Materials. Ferroelectrics, 2009, 389, 3-9.	0.6	12

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127	Piezoelectric Properties of Porous Potassium Niobate System Ceramics. Key Engineering Materials, 0, 485, 61-64.	0.4	12
128	Effect of sintering condition and V-doping on the piezoelectric properties of BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO< ceramics. Journal of the Ceramic Society of Japan, 2013, 121, 589-592.		
129	Chemical composition dependence of ferroelectric properties for BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO< lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2013, 121, 855-858.		
130	Efficient expansion of mouse primary tenocytes using a novel collagen gel culture method. Histochemistry and Cell Biology, 2014, 142, 205-215.	1.7	12
131	A-site cation off-centering contribution on ferroelectricity and piezoelectricity in pseudo-cubic perovskite structure of Bi-based lead-free piezoelectrics. Scripta Materialia, 2021, 205, 114176.	5.2	12
132	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. Japanese Journal of Applied Physics, 2012, 51, 09LC03.	1.5	12
133	Nanostructure Control of Barium Titanateâ€“Potassium Niobate Nanocomplex Ceramics and Their Enhanced Ferroelectric Properties. Japanese Journal of Applied Physics, 2012, 51, 09LC05.	1.5	12
134	Particle Size and Temperature Dependence of THz-Region Dielectric Properties for BaTiO3Nanoparticles. Ferroelectrics, 2007, 353, 55-62.	0.6	11
135	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. Japanese Journal of Applied Physics, 2011, 50, 09NC09.	1.5	11
136	THz region dielectric properties of barium titanate fine particles using infrared reflection method. Journal of the European Ceramic Society, 2006, 26, 1807-1810.	5.7	10
137	Preparation of barium titanate-potassium niobate ceramics using interface engineering and their piezoelectric properties. Journal of the Ceramic Society of Japan, 2010, 118, 691-695.	1.1	10
138	Preparation of barium titanate porous ceramics and their sensor properties. Journal of the Ceramic Society of Japan, 2013, 121, 698-701.	1.1	10
139	Low-temperature fabrication of titanium metal/barium titanate composite capacitors via hydrothermal method and their dielectric properties. Journal of the Ceramic Society of Japan, 2014, 122, 447-451.	1.1	10
140	Novel device for application of continuous mechanical tensile strain to mammalian cells. Biology Open, 2017, 6, 518-524.	1.2	10
141	Thermal annealing induced recovery of damaged surface layer for enhanced ferroelectricity in Bi-based ceramics. Japanese Journal of Applied Physics, 2019, 58, SLLD04.	1.5	10
142	Sintering of Hydroxyapatite Powders with SiC Platelets Dispersion. Journal of the Ceramic Society of Japan, 1992, 100, 1175-1178.	1.3	9
143	Size dependence of THz region dielectric properties for barium titanate fine particles. Journal of Electroceramics, 2008, 21, 198-201.	2.0	9
144	Dielectric properties of BaTiO3-based ceramics measured up to GHz region. Journal of Electroceramics, 2008, 21, 427-430.	2.0	9

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145	Preparation of Barium Titanate Nanocube Particles by Solvothermal Method and their Characterization. Key Engineering Materials, 2008, 388, 111-114.	0.4	9
146	Enhanced Piezoelectric Properties of Barium Titanate-Potassium Niobate Solid Solution System Ceramics by MPB Engineering. Key Engineering Materials, 2010, 445, 11-14.	0.4	9
147	Microstructure Control of Barium Titanate â€“ Potassium Niobate Solid Solution System Ceramics by MPB Engineering and their Piezoelectric Properties. Key Engineering Materials, 2011, 485, 89-92.	0.4	9
148	Electronic Polarization in KNbO₃Visualized by Synchrotron Radiation Powder Diffraction. Japanese Journal of Applied Physics, 2013, 52, 09KF04.	1.5	9
149	Effects of AC- and DC-bias field poling on piezoelectric properties of Bi-based ceramics. Journal of the Ceramic Society of Japan, 2019, 127, 353-356.	1.1	9
150	Development of an apparatus for Bragg coherent X-ray diffraction imaging, and its application to the three dimensional imaging of BaTiO₃nano-crystals. Japanese Journal of Applied Physics, 2019, 58, SLLA05.	1.5	9
151	Domain Switching Properties in PZN-PT Single Crystals with Engineered Domain Configurations. Key Engineering Materials, 2002, 214-215, 9-14.	0.4	8
152	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. Japanese Journal of Applied Physics, 2012, 51, 09LC03.	1.5	8
153	Fabrication of (111)-oriented Tetragonal BaTiO₃ Ceramics by an Electrophoretic Deposition in a High Magnetic Field. Transactions of the Materials Research Society of Japan, 2015, 40, 223-226.	0.2	8
154	Effect of A-site off-stoichiometry on ferroelectric and piezoelectric properties of BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO₃ ceramics. Journal of the Ceramic Society of Japan, 2019, 127, 369-373.	1.1	8
155	Structural Transformation of Hexagonal (0001)BaTiO₃Ceramics to Tetragonal (111)BaTiO₃Ceramics. Japanese Journal of Applied Physics, 2011, 50, 09ND01.	1.5	8
156	Mnâ€“Nb co-doping in barium titanate ceramics by different solid-state reaction routes for temperature stable and DC-bias free dielectrics. Ceramics International, 2022, 48, 2154-2160.	4.8	8
157	Synthesis of Diamond by DC Plasma Chemical Vapor Deposition above the Surface of a Water-Ethylene Glycol Solution. Japanese Journal of Applied Physics, 1997, 36, L504-L506.	1.5	7
158	Computer Simulation of Polarization vs. Electric-Field Curves of Non-Linear Dielectrics and Macromodel for SPICE simulator. Japanese Journal of Applied Physics, 2003, 42, 6983-6987.	1.5	7
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