

Ken-ichi Mimura

List of Publications by Year in descending order

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700
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of Flexo- and Ferro-Electric Effects in an Ordered Assembly of BaTiO ₃ Nanocubes. <i>Nanomaterials</i> , 2022, 12, 188.	4.1	4
2	Ultrafast Ion Transport via Dielectric Nanocube Interface. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	2
3	Hydrothermal synthesis of perovskite-type solid electrolyte nanoplate. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 104, 599-605.	2.4	1
4	Effect of heat treatment on internal stress in barium titanate nanocube assemblies and their dielectric property. <i>AIP Advances</i> , 2021, 11, .	1.3	4
5	Densification of Garnet-type Electrolyte Thin Sheets by Cold Sintering. <i>Chemistry Letters</i> , 2021, 50, 1784-1786.	1.3	7
6	One-step synthesis of BaTiO ₃ /CaTiO ₃ core-shell nanocubes by hydrothermal reaction. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 359-365.	2.3	5
7	Effect of oleic acid on the formation of lead zirconate titanate nanoplates. <i>Journal of Crystal Growth</i> , 2020, 548, 125811.	1.5	1
8	High refractive index and dielectric properties of BaTiO ₃ nanocube/polymer composite films. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	8
9	Dynamic dielectric-response model of flexoelectric polarization from kHz to MHz range in an ordered assembly of BaTiO ₃ nanocubes. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 495301.	1.8	9
10	Hydrothermal synthesis of A-site substituted BaTiO ₃ nanocubes. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 475-480.	1.1	3
11	Fabrication of preferentially (001)-oriented Pb(Zr,Ti)O ₃ films consisting of anisotropic single crystal nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SLLB08.	1.5	4
12	Electrospray Deposition of {200} Oriented Regular-Assembly BaTiO ₃ Nanocrystal Films under an Electric Field. <i>Langmuir</i> , 2019, 35, 5496-5500.	3.5	2
13	Numerical calculations of temperature dependence of dielectric constant for an ordered assembly of BaTiO ₃ nanocubes with small tilt angles. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 031501.	1.5	9
14	Extra Surfactant-Assisted Self-Assembly of Highly Ordered Monolayers of BaTiO ₃ Nanocubes at the Air-Water Interface. <i>Nanomaterials</i> , 2018, 8, 739.	4.1	14
15	Characterization of BaTiO ₃ nanocubes assembled into highly ordered monolayers using micro- and nano-Raman spectroscopy. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	9
16	Dielectric properties of barium zirconate titanate nanocube 3D-ordered assemblies. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 321-325.	1.1	3
17	Fabrication and piezoelectric properties of Pb(Zr,Ti)O ₃ cubes synthesized by hydrothermal method. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 326-330.	1.1	9
18	Development of New Fabrication Technology Using Self-Assembly Behaviors of Single-Crystalline Dielectric Nanocubes. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2018, 65, 629-633.	0.2	0

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19	High dielectric constant associated with the strain-induced phase transition of an ordered assembly of BaTiO ₃ nanocubes under three-dimensional clamping. Japanese Journal of Applied Physics, 2017, 56, 021501.	1.5	9
20	Synthesis and characterization of barium titanate-based solid solution nanocubes. Journal of the Ceramic Society of Japan, 2016, 124, 639-643.	1.1	4
21	Fabrication and electrical properties of barium titanate based solid solution nanocube assembly films. Japanese Journal of Applied Physics, 2016, 55, 10TA05.	1.5	6
22	Processing of dielectric nanocube 3D-assemblies and their high electrical properties for next-generation devices. Journal of the Ceramic Society of Japan, 2016, 124, 848-854.	1.1	11
23	Tuning shape of barium titanate nanocubes by combination of oleic acid/tert-butylamine through hydrothermal process. Journal of Alloys and Compounds, 2016, 655, 71-78.	5.5	24
24	Fabrication and characterization of barium titanate nanocube ordered assemblies on micro-patterned substrates. Journal of the Ceramic Society of Japan, 2015, 123, 579-582.	1.1	10
25	Dielectric properties of micropatterns consisting of barium titanate single-crystalline nanocubes. Japanese Journal of Applied Physics, 2015, 54, 10NA11.	1.5	14
26	Size and morphology controlling of barium titanate nanocubes by using hydrothermal method. Journal of the Korean Physical Society, 2015, 66, 1364-1366.	0.7	4
27	Enhanced Thermopower in Nano-SrTiO ₃ Via Rare Earth Doping. Journal of Electronic Materials, 2015, 44, 1773-1776.	2.2	7
28	Dielectric properties of barium titanate nanocube ordered assembly sintered at various temperatures. Japanese Journal of Applied Physics, 2014, 53, 09PA03.	1.5	22
29	Enhanced dielectric properties of BaTiO ₃ nanocube assembled film in metal-insulator-metal capacitor structure. Applied Physics Express, 2014, 7, 061501.	2.4	41
30	Thermoelectric Properties of Rare Earth-Doped SrTiO ₃ Nanocubes. Journal of Electronic Materials, 2014, 43, 2011-2016.	2.2	15
31	Nano-sized cube-shaped single crystalline oxides and their potentials; composition, assembly and functions. Advanced Powder Technology, 2014, 25, 1401-1414.	4.1	39
32	Diversity in size of barium titanate nanocubes synthesized by a hydrothermal method using an aqueous Ti compound. CrystEngComm, 2014, 16, 8398.	2.6	24
33	Fabrication and piezoresponse properties of {100} BaTiO ₃ films containing highly ordered nanocube assemblies on various substrates. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	25
34	Properties of flexible, transparent barium titanate nanoparticle/poly(2-hydroxyethyl methacrylate) hybrid. Journal of Materials Science, 2013, 48, 282-287.	3.7	2
35	BaTiO ₃ nanocube and assembly to ferroelectric supracrystals. Journal of Materials Research, 2013, 28, 2932-2945.	2.6	31
36	Fabrication and Characterization of Perovskite Nanocube Ordering Structures via Capillary-Force-Assisted Self-Assembly Process. Key Engineering Materials, 2013, 566, 285-288.	0.4	1

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37	Structure and Properties of Thin Films Consisting of Single Crystalline BaTiO ₃ Nanocubes. Key Engineering Materials, 2013, 582, 149-152.	0.4	1
38	Characteristics of Barium Titanate Nanocube Ordered Assembly Thin Films Fabricated by Dip-Coating Method. Japanese Journal of Applied Physics, 2013, 52, 09KC06.	1.5	37
39	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. Japanese Journal of Applied Physics, 2012, 51, 09LC03.	1.5	8
40	Synthesis of field-responsive PbTiO ₃ particle/polymer hybrids from metal-organics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 408, 57-63.	4.7	2
41	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
42	Ferroelectric properties of alkoxy-derived transparent BaTiO ₃ nanoparticle/polymer hybrid. Materials Letters, 2012, 89, 40-42.	2.6	9
43	Piezoresponse properties of orderly assemblies of BaTiO ₃ and SrTiO ₃ nanocube single crystals. Applied Physics Letters, 2012, 101, .	3.3	68
44	In situ growth BaTiO ₃ nanocubes and their superlattice from an aqueous process. Nanoscale, 2012, 4, 1344.	5.6	105
45	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. Japanese Journal of Applied Physics, 2012, 51, 09LC03.	1.5	12
46	Growth of monodispersed SrTiO ₃ nanocubes by thermohydrolysis method. CrystEngComm, 2011, 13, 3878.	2.6	78
47	Field-responsive BaTiO ₃ nanoparticle/organic hybrid synthesized from metal alkoxide. Journal of the Ceramic Society of Japan, 2011, 119, 776-782.	1.1	3
48	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. Japanese Journal of Applied Physics, 2011, 50, 09NC09.	1.5	11
49	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. Japanese Journal of Applied Physics, 2011, 50, 09NC09.	1.5	19
50	Synthesis of BaTiO ₃ nanoparticle/poly(2-hydroxyethyl methacrylate) hybrid nanofibers via electrospinning. Composites Science and Technology, 2010, 70, 492-497.	7.8	19
51	Optical properties of transparent barium titanate nanoparticle/polymer hybrid synthesized from metal alkoxides. Journal of Nanoparticle Research, 2010, 12, 1933-1943.	1.9	14
52	Synthesis of Transparent and Field-Responsive BaTiO ₃ Particle/Organosiloxane Hybrid Fluid. Angewandte Chemie - International Edition, 2010, 49, 4902-4906.	13.8	20
53	Synthesis and dielectric properties of (Ba,Ca)(Zr,Ti)O ₃ thin films using metal-organic precursor solutions. Thin Solid Films, 2008, 516, 8408-8413.	1.8	31
54	Chemical solution processing and characterization of Ba(Zr,Ti)O ₃ /LaNiO ₃ layered thin films. Journal of Sol-Gel Science and Technology, 2007, 42, 213-220.	2.4	12