

Kazumi Kato

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308
papers

4,638
citations

36
h-index

53
g-index

326
ext. papers

5,002
ext. citations

2.2
avg, IF

5.65
L-index

#	Paper	IF	Citations
308	Formation and photocatalytic application of ZnO nanotubes using aqueous solution. <i>Langmuir</i> , 2010 , 26, 2811-5	4	222
307	Crystal structures of TiO ₂ thin coatings prepared from the alkoxide solution via the dip-coating technique affecting the photocatalytic decomposition of aqueous acetic acid. <i>Journal of Materials Science</i> , 1994 , 29, 5911-5915	4.3	154
306	Sol-Gel Route to Ferroelectric Layer-Structured Perovskite SrBi ₂ Ta ₂ O ₉ and SrBi ₂ Nb ₂ O ₉ Thin Films. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1869-1875	3.8	135
305	Morphology of thin anatase coatings prepared from alkoxide solutions containing organic polymer, affecting the photocatalytic decomposition of aqueous acetic acid. <i>Journal of Materials Science</i> , 1995 , 30, 837-841	4.3	106
304	In situ growth BaTiO ₃ nanocubes and their superlattice from an aqueous process. <i>Nanoscale</i> , 2012 , 4, 1344-9	7.7	96
303	Preparation of Crystalline LiNbO ₃ Films with Preferred Orientation by Hydrolysis of Metal Alkoxides. <i>Advanced Ceramic Materials</i> , 1988 , 3, 503-506		95
302	Characteristics of CeO ₂ Nanocubes and Related Polyhedra Prepared by Using a Liquid-Liquid Interface. <i>Crystal Growth and Design</i> , 2010 , 10, 4537-4541	3.5	88
301	Growth of monodispersed SrTiO ₃ nanocubes by thermohydrolysis method. <i>CrystEngComm</i> , 2011 , 13, 3878	3.3	75
300	Dielectric and piezoelectric properties of highly (100)-oriented BaTiO ₃ thin film grown on a Pt/TiO _x /SiO ₂ /Si substrate using LaNiO ₃ as a buffer layer. <i>Journal of Crystal Growth</i> , 2005 , 284, 190-196	1.6	73
299	Dynamic Equilibrium Model for a Bulk Nanobubble and a Microbubble Partly Covered with Hydrophobic Material. <i>Langmuir</i> , 2016 , 32, 11101-11110	4	68
298	Ferroelectric properties of alkoxy-derived CaBi ₄ Ti ₄ O ₁₅ thin films on Pt-passivated Si. <i>Applied Physics Letters</i> , 2001 , 78, 1119-1121	3.4	64
297	Piezoresponse properties of orderly assemblies of BaTiO ₃ and SrTiO ₃ nanocube single crystals. <i>Applied Physics Letters</i> , 2012 , 101, 012901	3.4	63
296	Effect of static pressure on acoustic energy radiated by cavitation bubbles in viscous liquids under ultrasound. <i>Journal of the Acoustical Society of America</i> , 2011 , 130, 3233-42	2.2	54
295	Liquid-Phase Patterning and Microstructure of Anatase TiO ₂ Films on SnO ₂ :F Substrates Using Superhydrophilic Surface. <i>Chemistry of Materials</i> , 2008 , 20, 1057-1063	9.6	54
294	Multineedle TiO ₂ Nanostructures, Self-Assembled Surface Coatings, and Their Novel Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 913-922	3.5	53
293	High c-Axis Oriented Stand-Alone ZnO Self-Assembled Film. <i>Crystal Growth and Design</i> , 2008 , 8, 275-279	3.5	51
292	Triblock copolymer templated semi-crystalline mesoporous titania films containing emulsion-induced macropores. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1894		50

291	Tin oxide nanosheet assembly for hydrophobic/hydrophilic coating and cancer sensing. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1666-74	9.5	47
290	Characteristics of Multilayered Nanostructures of CeO ₂ Nanocrystals Self-Assembled on an Enlarged Liquid-Gas Interface. <i>Crystal Growth and Design</i> , 2011 , 11, 4129-4134	3.5	47
289	Connectivity of PS-b-PEO templated spherical pores in titanium oxide films. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12529-35	3.6	45
288	A new effect of ultrasonication on the formation of BaTiO ₃ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2010 , 17, 310-4	8.9	45
287	Roles of polyethylene glycol in evolution of nanostructure in TiO ₂ coatings. <i>Thin Solid Films</i> , 1997 , 298, 76-82	2.2	44
286	Rapid fabrication of mesoporous titania films with controlled macroporosity to improve photocatalytic property. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1486-93	4.5	43
285	Micropatterning of ZnO nanoarrays by forced hydrolysis of anhydrous zinc acetate. <i>Langmuir</i> , 2008 , 24, 7614-7	4	43
284	Ferro- and piezoelectric properties of polar-axis-oriented CaBi ₄ Ti ₄ O ₁₅ films. <i>Applied Physics Letters</i> , 2004 , 84, 3771-3773	3.4	42
283	Aqueous Synthesis of ZnO Rod Arrays for Molecular Sensor. <i>Crystal Growth and Design</i> , 2009 , 9, 3083-3088	3.8	41
282	Temperature-controlled and aerosol-assisted synthesis of aluminium organophosphonate spherical particles with uniform mesopores. <i>Chemical Communications</i> , 2009 , 4938-40	5.8	39
281	Low-Temperature Synthesis of SrBi ₂ Ta ₂ O ₉ Ferroelectric Thin Films through the Complex Alkoxide Method: Effects of Functional Group, Hydrolysis and Water Vapor Treatment. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, 5178-5184	1.4	39
280	Dissolution/Recrystallization Induced Hierarchical Structure in ZnO: Bunched Roselike and Core/Shell-like Particles. <i>Crystal Growth and Design</i> , 2010 , 10, 626-631	3.5	38
279	Synthesis and phase transformation of TiO ₂ nano-crystals in aqueous solutions. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 373-376	1	38
278	Growth and electrical properties of ZnO films prepared by chemical bath deposition method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 718-723	1.6	37
277	Nanocrystal Assembled TiO ₂ Particles Prepared from Aqueous Solution. <i>Crystal Growth and Design</i> , 2008 , 8, 3213-3218	3.5	37
276	Morphology Control of Zinc Oxide Particles at Low Temperature. <i>Crystal Growth and Design</i> , 2008 , 8, 2633-2637	3.5	37
275	Microstructure Control and Dielectric/Piezoelectric Properties of Alkoxy-Derived Ba(Ti,Zr)O ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 6885-6890	1.4	37
274	Microstructure and Crystallographic Orientation of Anatase Coatings Produced from Chemically Modified Titanium Tetraisopropoxide. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1483-1488	3.8	37

273	SnO ₂ Nanosheet/Nanoparticle Detector for the Sensing of 1-Nonanal Gas Produced by Lung Cancer. <i>Scientific Reports</i> , 2015 , 5, 10122	4.9	36
272	Enhanced dielectric properties of BaTiO ₃ nanocube assembled film in metalinsulatormetal capacitor structure. <i>Applied Physics Express</i> , 2014 , 7, 061501	2.4	36
271	Dye-sensitized biosystem sensing using macroporous semiconducting metal oxide films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5738		36
270	Thickness dependence of dielectric properties in bismuth layer-structured dielectrics. <i>Applied Physics Letters</i> , 2006 , 89, 082901	3.4	36
269	Grain Size Effect on Dielectric and Piezoelectric Properties of Alkoxy-Derived BaTiO ₃ -Based Thin Films. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 6525-6529	1.4	36
268	Preparation of nanoporous TiO ₂ film with large surface area using aqueous sol with trehalose. <i>Materials Letters</i> , 2004 , 58, 2751-2753	3.3	36
267	Characteristics of Barium Titanate Nanocube Ordered Assembly Thin Films Fabricated by Dip-Coating Method. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 09KC06	1.4	34
266	Aqueous synthesis of nanosheet assembled tin oxide particles and their N ₂ adsorption characteristics. <i>Journal of Crystal Growth</i> , 2009 , 311, 593-596	1.6	34
265	Growth model and the effect of CuO nanocrystallites on the properties of chemically derived epitaxial thin films of YBa ₂ Cu ₃ O _{7-x} . <i>Journal of Applied Physics</i> , 2002 , 92, 3318-3325	2.5	33
264	Oriented Attachment of Cubic or Spherical BaTiO ₃ Nanocrystals by van der Waals Torque. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24597-24605	3.8	32
263	Shape-controlled growth of In(OH) ₃ /In ₂ O ₃ nanostructures by electrodeposition. <i>Langmuir</i> , 2010 , 26, 14814-20	4	32
262	Advanced dynamic-equilibrium model for a nanobubble and a micropancake on a hydrophobic or hydrophilic surface. <i>Physical Review E</i> , 2015 , 91, 033008	2.4	31
261	Oriented aggregation of BaTiO ₃ nanocrystals and large particles in the ultrasonic-assistant synthesis. <i>CrystEngComm</i> , 2010 , 12, 3441	3.3	31
260	Anatase TiO ₂ films crystallized on SnO ₂ :F substrates in an aqueous solution. <i>Thin Solid Films</i> , 2008 , 516, 2547-2552	2.2	31
259	Dynamics of nanoscale polarization backswitching in tetragonal lead zirconate titanate thin film. <i>Applied Physics Letters</i> , 2003 , 82, 2130-2132	3.4	31
258	Platinum-assisted phase transition in bismuth-based layer-structured ferroelectric CaBi ₄ Ti ₄ O ₁₅ thin films. <i>Applied Physics Letters</i> , 2002 , 81, 3227-3229	3.4	31
257	Nano-sized cube-shaped single crystalline oxides and their potentials; composition, assembly and functions. <i>Advanced Powder Technology</i> , 2014 , 25, 1401-1414	4.6	30
256	Growth of BaTiO ₃ nanoparticles in ethanolwater mixture solvent under an ultrasound-assisted synthesis. <i>Chemical Engineering Journal</i> , 2011 , 170, 333-337	14.7	30

255	Dipole-Dipole Interaction Model for Oriented Attachment of BaTiO ₃ Nanocrystals: A Route to Mesocrystal Formation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 319-324	3.8	28
254	Preparation and Dielectric Properties of Nonstoichiometric SrBi ₂ Ta ₂ O ₉ -based Ceramics. <i>Journal of Materials Science Letters</i> , 1998 , 17, 827-828		28
253	Preparation of thick TiO ₂ film with large surface area using aqueous sol with poly(ethylene glycol). <i>Journal of Materials Science</i> , 2004 , 39, 699-701	4.3	27
252	Fast synthesis, optical and bio-sensor properties of SnO ₂ nanostructures by electrochemical deposition. <i>Chemical Engineering Journal</i> , 2011 , 168, 955-958	14.7	26
251	Electrical properties of (1 0 0)-predominant BaTiO ₃ films derived from alkoxide solutions of two concentrations. <i>Acta Materialia</i> , 2006 , 54, 3893-3898	8.4	26
250	BaTiO ₃ nanocube and assembly to ferroelectric supracrystals. <i>Journal of Materials Research</i> , 2013 , 28, 2932-2945	2.5	25
249	Numerical simulations of sonochemical production of BaTiO ₃ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2011 , 18, 1211-7	8.9	24
248	Superhydrophilic SnO ₂ nanosheet-assembled film. <i>Thin Solid Films</i> , 2013 , 544, 567-570	2.2	23
247	Facile Synthesis, Characterization of ZnO Nanotubes and Nanoflowers in an Aqueous Solution. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 887-893	3.8	23
246	Low-temperature preparation of (002)-oriented ZnO thin films by sol-gel method. <i>Thin Solid Films</i> , 2014 , 550, 250-258	2.2	22
245	Fabrication and piezoresponse properties of {100} BaTiO ₃ films containing highly ordered nanocube assemblies on various substrates. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	22
244	Synthesis of ordered mesoporous aluminium alkylendiphosphonates with integrated inorganic-organic hybrid frameworks. <i>Journal of Materials Chemistry</i> , 2007 , 17, 559-566		21
243	Ferroelectric properties of alkoxy-derived CaBi ₂ Ta ₂ O ₉ thin films. <i>Journal of Applied Physics</i> , 2000 , 88, 3779-3780	2.5	21
242	Fabrication of dielectric nanocubes in ordered structure by capillary force assisted self-assembly method and their piezoresponse properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 3853-3861	1.3	20
241	Site-Selective Chemical Reaction on Flexible Polymer Films for Tin Oxide Nanosheet Patterning. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2819-2825	2.3	20
240	Sol-Gel Synthesis of High-k HfO ₂ Thin Films. <i>Journal of the American Ceramic Society</i> , 2009 , 92, S162-S164	3.8	20
239	Tuning shape of barium titanate nanocubes by combination of oleic acid/tert-butylamine through hydrothermal process. <i>Journal of Alloys and Compounds</i> , 2016 , 655, 71-78	5.7	19
238	A facile template-free route to synthesize porous ZnO nanosheets with high surface area. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 373-376	5.7	19

237	Dielectric properties of barium titanate nanocube ordered assembly sintered at various temperatures. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 09PA03	1.4	19
236	Highly Enhanced Surface Area of Tin Oxide Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2140-2143	3.8	19
235	Chemistry of the alkoxy-derived precursor solutions for layer-structured perovskite thin films. <i>Integrated Ferroelectrics</i> , 1997 , 18, 225-235	0.8	19
234	Diversity in size of barium titanate nanocubes synthesized by a hydrothermal method using an aqueous Ti compound. <i>CrystEngComm</i> , 2014 , 16, 8398	3.3	18
233	Simple removal of oligomeric surfactants and triblock copolymers from mesostructured precursors of ordered mesoporous aluminum organophosphonates. <i>Microporous and Mesoporous Materials</i> , 2007 , 101, 207-213	5.3	18
232	Preparation of (Y,Yb)MnO ₃ /Y ₂ O ₃ /Si (MFIS) Structure by Chemical Solution Deposition Method. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 6007-6010	1.4	18
231	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09NC09	1.4	18
230	Fabrication of Zn(OH) ₂ /ZnO Nanosheet-ZnO Nanoarray Hybrid Structured Films by a Dissolution/Recrystallization Route. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 881-886	3.8	17
229	Room-temperature synthesis of tin oxide nano-electrodes in aqueous solutions. <i>Thin Solid Films</i> , 2009 , 518, 850-852	2.2	17
228	Mesostructural control of non-silica-based hybrid mesoporous film composed of aluminium ethylenediphosphonate using triblock copolymer and their TEM observation. <i>New Journal of Chemistry</i> , 2007 , 31, 1488	3.6	17
227	Impact of oxygen ambient on ferroelectric properties of polar-axis-oriented CaBi ₄ Ti ₄ O ₁₅ films. <i>Applied Physics Letters</i> , 2005 , 86, 112901	3.4	17
226	Evolution of Ferroelectric Structure in SrBi ₂ Ta ₂ O ₉ Thin Films Prepared Using Triple Alkoxides on Pt-Passivated Si. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 5417-5422	1.4	17
225	Phenol resin carbonized films with anisotropic shrinkage driven ordered mesoporous structures. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15135	13	16
224	Low-temperature preparation of transparent conductive Al-doped ZnO thin films by a novel sol-gel method. <i>Journal of Materials Science</i> , 2014 , 49, 4722-4734	4.3	16
223	Polyethylenimine-Guided Self-Twin Zinc Oxide Nanoarray Assemblies. <i>Crystal Growth and Design</i> , 2009 , 9, 3598-3602	3.5	16
222	Tin oxide coating on polytetrafluoroethylene films in aqueous solutions. <i>Polymers for Advanced Technologies</i> , 2010 , 21, 211-215	3.2	16
221	Piezoelectric Properties of CaBi ₄ Ti ₄ O ₁₅ Ferroelectric Thin Films Investigated by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 5994-5997	1.4	16
220	High piezoelectric response in polar-axis-oriented CaBi ₄ Ti ₄ O ₁₅ ferroelectric thin films. <i>Applied Physics Letters</i> , 2004 , 85, 3519-3521	3.4	16

219	Ferroelectric Property of Alkoxy-Derived YMnO ₃ Films Crystallized in Argon. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 5692-5695	1.4	16
218	Control of crystallization and crystal orientation of alkoxy-derived SrBi ₂ Ta ₂ O ₉ thin films by ultraviolet irradiation. <i>Journal of Materials Research</i> , 2003 , 18, 899-907	2.5	16
217	Photocatalytic Activity of Titanium Dioxide Coated with Apatite. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 5164-5170	1.4	16
216	Effect of surfactants on single bubble sonoluminescence behavior and bubble surface stability. <i>Physical Review E</i> , 2014 , 89, 043007	2.4	15
215	Preparation of single-crystalline ZnO films on ZnO-buffered a-plane sapphire by chemical bath deposition. <i>Journal of Crystal Growth</i> , 2009 , 311, 3687-3691	1.6	15
214	Low-temperature crystallization and ferroelectric properties of sol-gel derived layer-structured perovskite thin films. <i>Integrated Ferroelectrics</i> , 1997 , 18, 237-247	0.8	15
213	Silica-based mesoporous materials derived from Ti containing layered polysilicate kanemite. <i>Microporous and Mesoporous Materials</i> , 2006 , 95, 146-153	5.3	15
212	Comparison of Microstructure and Ferroelectric Properties of Alkoxy-Derived MBi ₄ Ti ₄ O ₁₅ (M: Ca or Sr) Thin Films. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 5580-5584	1.4	15
211	Chemical Approach Using Tailored Liquid Sources for Traditional and Novel Ferroelectric Thin Films. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 6829-6835	1.4	15
210	Local Piezoelectric Response in Bismuth-Based Ferroelectric Thin Films Investigated by Scanning Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, L1103-L1105	1.4	15
209	Fabrication of Blanket-Like Assembled ZnO Nanowhiskers Using an Aqueous Solution. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 922-926	3.8	14
208	Dye Adsorption Characteristics of Anatase TiO ₂ Film Prepared in an Aqueous Solution. <i>Thin Solid Films</i> , 2009 , 518, 845-849	2.2	14
207	Characteristics of BaTiO ₃ Particles Sonochemically Synthesized in Aqueous Solution. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 09KC02	1.4	14
206	Thickness Dependence of Electrical Properties of Highly (100)-Oriented BaTiO ₃ Thin Films Prepared by One-Step Chemical Solution Deposition. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 855-859	1.4	14
205	Phase transition in bottom-up BaTiO ₃ films on Si. <i>Applied Physics Letters</i> , 2007 , 91, 172907	3.4	14
204	Piezoelectric properties of lead-free CaBi ₄ Ti ₄ O ₁₅ thin films. <i>Applied Physics Letters</i> , 2004 , 85, 4217-4218	3.4	14
203	Effect of built-in bias fields on the nanoscale switching in ferroelectric thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1067-1070	2.6	14
202	Water bathing synthesis of high-surface-area nanocrystal-assembled SnO ₂ particles. <i>Journal of Solid State Chemistry</i> , 2012 , 189, 21-24	3.3	13

201	Dielectric properties of micropatterns consisting of barium titanate single-crystalline nanocubes. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 10NA11	1.4	13
200	Thermoelectric Properties of Rare Earth-Doped SrTiO ₃ Nanocubes. <i>Journal of Electronic Materials</i> , 2014 , 43, 2011-2016	1.9	13
199	Room-temperature synthesis and characterization of porous CeO ₂ thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 139-142	1.6	13
198	Acicular crystal-assembled TiO ₂ thin films and their deposition mechanism. <i>Journal of Crystal Growth</i> , 2009 , 311, 512-517	1.6	13
197	In situ forced hydrolysis-assisted fabrication and photo-induced electrical property in sensor of ZnO nanoarrays. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 459-63	9.3	13
196	Novel chemical processing for crystallization of SrBi ₂ Ta ₂ O ₉ thin films via UV irradiation. <i>Materials Letters</i> , 2002 , 52, 20-23	3.3	13
195	Chemical routes for low-temperature processing of layer-structured perovskite thin films. <i>Integrated Ferroelectrics</i> , 1998 , 22, 13-22	0.8	13
194	Crystallographic fusion behavior and interface evolution of mono-layer BaTiO ₃ nanocube arrangement. <i>CrystEngComm</i> , 2016 , 18, 1543-1549	3.3	12
193	Ligand-assisted fabrication of small mesopores in semi-crystalline titanium oxide films for high loading of Ru(II) dyes. <i>Langmuir</i> , 2011 , 27, 11436-43	4	12
192	Aqueous synthesis of single-crystalline ZnO prisms on graphite substrates. <i>Journal of Crystal Growth</i> , 2011 , 314, 180-184	1.6	12
191	Characterization of high-k HfO ₂ films prepared using chemically modified alkoxy-derived solutions. <i>Journal of Applied Physics</i> , 2009 , 105, 061631	2.5	12
190	Fabrication of BaTiO ₃ Thin Films Using Modified Chemical Solutions and Sintering Method. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 7480-7485	1.4	12
189	Synthesis of highly conductive and transparent ZnO nanowisker films using aqueous solution. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 384-388	1	12
188	Preparation and orientation control of RMnO ₃ (R=Y, Yb) thin film by chemical solution deposition. <i>Journal of Crystal Growth</i> , 2002 , 237-239, 482-486	1.6	12
187	Investigation of Domain Switching and Retention in Oriented PbZr _{0.3} Ti _{0.7} O ₃ Thin Film by Scanning Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 6724-6729	1.4	12
186	Liquid phase deposited titania coating to enable in vitro apatite formation on Ti6Al4V alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 375-81	4.5	11
185	Low-temperature fabrication of ZnO nanoarray films by forced hydrolysis of anhydrous zinc acetate layer. <i>Journal of Crystal Growth</i> , 2009 , 311, 597-600	1.6	11
184	Effects of polyethylenimine on morphology and property of ZnO films grown in aqueous solutions. <i>Applied Surface Science</i> , 2009 , 255, 6823-6826	6.7	11

183	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09NC09	1.4	11
182	Rapid growth of thick particulate film of crystalline ZnO in an aqueous solution. <i>Thin Solid Films</i> , 2008 , 516, 2474-2477	2.2	11
181	Dielectric properties of alkoxy-derived Sr ₂ Nb ₂ O ₇ thin films crystallized via rapid thermal annealing. <i>Applied Physics Letters</i> , 1999 , 75, 561-562	3.4	11
180	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LC03	1.4	11
179	Extra Surfactant-Assisted Self-Assembly of Highly Ordered Monolayers of BaTiO ₃ Nanocubes at the Air/Water Interface. <i>Nanomaterials</i> , 2018 , 8,	5.4	11
178	Fabrication and characterization of barium titanate nanocube ordered assemblies on micro-patterned substrates. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 579-582	1	10
177	Bubble dynamics and sonoluminescence from helium or xenon in mercury and water. <i>Physical Review E</i> , 2012 , 86, 036320	2.4	10
176	Low-temperature fabrication of porous and transparent ZnO films with hybrid structure by self-hydrolysis method. <i>Thin Solid Films</i> , 2009 , 518, 638-641	2.2	10
175	Control of crystal growth for ZnO nanowhisker films in aqueous solution. <i>Thin Solid Films</i> , 2009 , 518, 906-910	2.2	10
174	Ferroelectric properties of alkoxy-derived lanthanum-modified bismuth titanate thin films. <i>Integrated Ferroelectrics</i> , 2001 , 36, 173-181	0.8	10
173	Surface morphology and dielectric properties of alkoxy-derived Sr ₂ Ta ₂ O ₇ and Sr ₂ Ta, Nb ₂ O ₇ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2000 , 11, 575-578	2.1	10
172	Sr/Ti ratio dependence of the dielectric properties of SrTiO ₃ thin films prepared by sol-gel method. <i>Journal of Materials Science Letters</i> , 1997 , 16, 1652-1653		9
171	Preparation and Characterization of Silica/Polymethylmethacrylate Hybrid Thin Films on Polybutyleneterephthalate Substrates by Sol-Gel Method.. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 556-561	1	9
170	Composition Dependence of Microstructure and Dielectric Properties in Alkoxy-Derived Ba(Ti,Zr)O ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 155-159	1.4	9
169	Ferroelectric Properties of (Y,Yb)MnO ₃ Thin Films Prepared Using Alkoxide Solutions. <i>Key Engineering Materials</i> , 2003 , 248, 77-82	0.4	9
168	Synthesis of Ferroelectric YMnO ₃ Thin Film by Chemical Solution Deposition. <i>Key Engineering Materials</i> , 2001 , 214-215, 151-156	0.4	9
167	Effects of Annealing Conditions on Crystallization of Hexagonal Manganite Films. <i>Ferroelectrics</i> , 2002 , 270, 99-104	0.6	9
166	Spatial Control of Crystallographic Direction in 2D Microarrays of Anisotropic Nanoblocks on Trenched Substrates. <i>Langmuir</i> , 2017 , 33, 13805-13810	4	8

165	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LC03	1.4	8
164	Surface morphology control of zirconia thin films prepared using novel photochromic molecules. <i>Thin Solid Films</i> , 2008 , 516, 2635-2638	2.2	8
163	Fabrication and Characterization of Ba(Ti,Zr)O ₃ Thin Films Through the Chemical Solution Deposition Process. <i>Integrated Ferroelectrics</i> , 2004 , 64, 227-236	0.8	8
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