

Kazumi Kato

List of Publications by Year in descending order

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311
papers

4,927
citations

68294

39
h-index

131775

56
g-index

313
all docs

313
docs citations

313
times ranked

4005
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.	4.2	6
2	Ultrafast Ion Transport via Dielectric Nanocube Interface. <i>Advanced Materials Interfaces</i> , 2022, 9, .	4.2	2
3	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
4	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.	2.1	5
5	Effect of oleic acid on the formation of lead zirconate titanate nanoplates. <i>Journal of Crystal Growth</i> , 2020, 548, 125811.	2.0	1
6	High refractive index and dielectric properties of BaTiO ₃ nanocube/polymer composite films. <i>Journal of Nanoparticle Research</i> , 2020, 22, .	2.5	10
7	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.	2.2	10
8	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
9	Nanoarchitectonics of Acicular Nanocrystal Assembly and Nanosheet Assembly for Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3004-3012.	0.6	1
10	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.	2.0	4
11	Electrospray Deposition of {200} Oriented Regular-Assembly BaTiO ₃ Nanocrystal Films under an Electric Field. <i>Langmuir</i> , 2019, 35, 5496-5500.	3.8	3
12	Selective nonanal molecular recognition with SnO ₂ nanosheets for lung cancer sensor. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1807-1811.	2.2	19
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.	2.0	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.	4.2	15
15	Characterization of BaTiO ₃ nanocubes assembled into highly ordered monolayers using micro- and nano-Raman spectroscopy. <i>Applied Physics Letters</i> , 2018, 112, .	3.2	10
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	Reactions of Alkoxides Toward Nanostructured or Multicomponent Oxide Films. , 2018, , 113-132.		0
18	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

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19	Development of New Fabrication Technology Using Self-Assembly Behaviors of Single-Crystalline Dielectric Nanocubes. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 629-633.	0.3	0
20	Numerical simulations of sonochemical production and oriented aggregation of BaTiO ₃ nanocrystals. Ultrasonics Sonochemistry, 2017, 35, 673-680.	8.7	10
21	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.	2.0	11
22	Nucleation and Growth Mechanism of Barium Titanate Nanoblocks in Hydrothermal Process Using Aqueous Titanium Compound. Crystal Growth and Design, 2017, 17, 2507-2512.	3.5	7
23	Spatial Control of Crystallographic Direction in 2D Microarrays of Anisotropic Nanoblocks on Trenched Substrates. Langmuir, 2017, 33, 13805-13810.	3.8	7
24	Reactions of Alkoxides Toward Nanostructured or Multicomponent Oxide Films. , 2017, , 1-20.		0
25	Nanostructuring of Metal Oxides in Aqueous Solutions. , 2016, , 369-458.		0
26	Synthesis and characterization of barium titanate-based solid solution nanocubes. Journal of the Ceramic Society of Japan, 2016, 124, 639-643.	1.1	4
27	Decoupling grain growth from densification during sintering of oxide nanoparticles. RSC Advances, 2016, 6, 24661-24666.	4.5	0
28	Fabrication and electrical properties of barium titanate based solid solution nanocube assembly films. Japanese Journal of Applied Physics, 2016, 55, 10TA05.	2.0	6
29	Anisotropy in morphology and crystal structure of BaTiO ₃ nanoblocks. Materials and Design, 2016, 107, 378-385.	7.0	6
30	Dynamic Equilibrium Model for a Bulk Nanobubble and a Microbubble Partly Covered with Hydrophobic Material. Langmuir, 2016, 32, 11101-11110.	3.8	120
31	Crystallographic fusion behavior and interface evolution of mono-layer BaTiO ₃ nanocube arrangement. CrystEngComm, 2016, 18, 1543-1549.	2.5	14
32	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.	5.9	27
33	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
34	Dielectric properties of micropatterns consisting of barium titanate single-crystalline nanocubes. Japanese Journal of Applied Physics, 2015, 54, 10NA11.	2.0	14
35	Size and morphology controlling of barium titanate nanocubes by using hydrothermal method. Journal of the Korean Physical Society, 2015, 66, 1364-1366.	0.8	4
36	SnO ₂ Nanosheet/Nanoparticle Detector for the Sensing of 1-Nonanal Gas Produced by Lung Cancer. Scientific Reports, 2015, 5, .	3.7	47

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37	Revisiting the difference between traveling-wave and standing-wave thermoacoustic engines - A simple analytical model for the standing-wave one. Journal of the Korean Physical Society, 2015, 67, 1755-1766.	0.8	6
38	Erratum to "Nano-sized cube-shaped single crystalline oxides and their potentials; composition, assembly and functions" [Adv. Powder Technol. 25 (5) (2014) 1401-1414]. Advanced Powder Technology, 2015, 26, 335.	0.0	0
39	Activity of formaldehyde dehydrogenase on titanium dioxide films with different crystallinities. Applied Surface Science, 2015, 329, 262-268.	6.6	6
40	Advanced dynamic-equilibrium model for a nanobubble and a micropancake on a hydrophobic or hydrophilic surface. Physical Review E, 2015, 91, .	2.1	43
41	Oriented Attachment of Cubic or Spherical BaTiO ₃ Nanocrystals by van der Waals Torque. Journal of Physical Chemistry C, 2015, 119, 24597-24605.	3.2	45
42	Structure and Properties of Thin Films Consisting of Single Crystalline BaTiO ₃ Nanocubes. Key Engineering Materials, 2014, 582, 149-152.	0.4	1
43	Dipole-Dipole Interaction Model for Oriented Attachment of BaTiO ₃ Nanocrystals Revisited. Key Engineering Materials, 2014, 582, 145-148.	0.4	1
44	SnO ₂ Nanosheet-assembled Graded Continuous Film. International Journal of Applied Ceramic Technology, 2014, 11, 550-557.	2.2	1
45	Dielectric properties of barium titanate nanocube ordered assembly sintered at various temperatures. Japanese Journal of Applied Physics, 2014, 53, 09PA03.	2.0	22
46	Enhanced dielectric properties of BaTiO ₃ nanocube assembled film in metal-insulator-metal capacitor structure. Applied Physics Express, 2014, 7, 061501.	2.2	41
47	Dipole-Dipole Interaction Model for Oriented Aggregation of BaTiO ₃ Nanocrystals. Materials Research Society Symposia Proceedings, 2014, 1663, .	0.1	1
48	Low-temperature preparation of transparent conductive Al-doped ZnO thin films by a novel sol-gel method. Journal of Materials Science, 2014, 49, 4722-4734.	3.5	19
49	Nano-sized cube-shaped single crystalline oxides and their potentials; composition, assembly and functions. Advanced Powder Technology, 2014, 25, 1401-1414.	4.0	39
50	Aqueous phase deposition of dense tin oxide films with nano-structured surfaces. Journal of Solid State Chemistry, 2014, 214, 42-46.	3.2	1
51	Effect of surfactants on single bubble sonoluminescence behavior and bubble surface stability. Physical Review E, 2014, 89, .	2.1	19
52	Low-temperature preparation of (002)-oriented ZnO thin films by sol-gel method. Thin Solid Films, 2014, 550, 250-258.	1.9	30
53	Diversity in size of barium titanate nanocubes synthesized by a hydrothermal method using an aqueous Ti compound. CrystEngComm, 2014, 16, 8398.	2.5	23
54	Polyethylenimine-assisted synthesis of transparent ZnO nanowhiskers at ambient temperatures. Thin Solid Films, 2014, 558, 134-139.	1.9	6

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55	Long Term Synthesis of Needle Crystal Assembled TiO ₂ Films in an Aqueous Solution. Journal of Nanoscience and Nanotechnology, 2014, 14, 3056-3061.	0.6	1
56	Halogen- and Acid-Free Syntheses of TiO ₂ Nanocrystal Coatings and High Surface Area TiO ₂ Nanocrystal-Assembled Particles. Journal of Nanoscience and Nanotechnology, 2014, 14, 2231-2237.	0.6	2
57	One Dimensional Spindle Titanium Oxide Nanocrystals. Journal of Nanoscience and Nanotechnology, 2014, 14, 2968-2973.	0.6	2
58	Water Bath Synthesis of Tin Oxide Nanostructure Coating for a Molecular Sensor. Journal of Nanoscience and Nanotechnology, 2014, 14, 2252-2257.	0.6	4
59	Enhanced Thermopower in Nano-SrTiO ₃ Via Rare Earth Doping. Journal of Electronic Materials, 2014, 44, 1773-1776.	2.4	8
60	Fabrication and piezoresponse properties of {100} BaTiO ₃ films containing highly ordered nanocube assemblies on various substrates. Journal of Nanoparticle Research, 2013, 15, .	2.5	24
61	A facile template-free route to synthesize porous ZnO nanosheets with high surface area. Journal of Alloys and Compounds, 2013, 580, 373-376.	5.9	24
62	Local Structure Analysis of BaTiO ₃ Nanoparticles. Japanese Journal of Applied Physics, 2013, 52, 09KF01.	2.0	7
63	Phenol resin carbonized films with anisotropic shrinkage driven ordered mesoporous structures. Journal of Materials Chemistry A, 2013, 1, 15135.	9.3	16
64	Superhydrophilic SnO ₂ nanosheet-assembled film. Thin Solid Films, 2013, 544, 567-570.	1.9	25
65	BaTiO ₃ nanocube and assembly to ferroelectric supracrystals. Journal of Materials Research, 2013, 28, 2932-2945.	2.6	32
66	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
67	Characteristics of Barium Titanate Nanocube Ordered Assembly Thin Films Fabricated by Dip-Coating Method. Japanese Journal of Applied Physics, 2013, 52, 09KC06.	2.0	37
68	Thermoelectric Properties of Rare Earth-Doped SrTiO ₃ Nanocubes. Journal of Electronic Materials, 2013, 43, 2011-2016.	2.4	15
69	Liquid phase deposited titania coating to enable in vitro apatite formation on Ti6Al4V alloy. Journal of Materials Science: Materials in Medicine, 2013, 25, 375-381.	3.7	11
70	Characterization of Optical- and N ₂ Adsorption Properties of Self-Twin Zinc Oxide Nanoarrays Assemblies. Materials Focus, 2013, 2, 20-23.	0.6	0
71	Anisotropic electrical properties in bismuth layer structured dielectrics with natural super lattice structure. Applied Physics Letters, 2012, 101, .	3.2	2
72	Generation and aggregation of BaTiO ₃ nanoparticles under ultrasound. AIP Conference Proceedings, 2012, , 111-118.	0.1	0

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73	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. Japanese Journal of Applied Physics, 2012, 51, 09LC03.	2.0	8
74	Anisotropic Crystal Growth and Microstructure Observation of Single Phase SnO ₂ Nano-sheet Assemblies. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 342-346.	0.3	1
75	Roles of Organic Ligands at the Surface of Nanocrystals for Bottom-Up Structure and Properties. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2012, 63, 357.	0.1	0
76	Bubble dynamics and sonoluminescence from helium or xenon in mercury and water. Physical Review E, 2012, 86, .	2.1	13
77	Tin Oxide Nanosheet Assembly for Hydrophobic/Hydrophilic Coating and Cancer Sensing. ACS Applied Materials & Interfaces, 2012, 4, 1666-1674.	8.1	53
78	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.	0.6	21
79	Dipole-Dipole Interaction Model for Oriented Attachment of BaTiO ₃ Nanocrystals: A Route to Mesocrystal Formation. Journal of Physical Chemistry C, 2012, 116, 319-324.	3.2	32
80	In situ growth BaTiO ₃ nanocubes and their superlattice from an aqueous process. Nanoscale, 2012, 4, 1344.	5.1	107
81	Room-temperature synthesis and characterization of porous CeO ₂ thin films. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 139-142.	1.6	19
82	Facile Synthesis of Characteristic Tin Oxide Particulate Films in Aqueous Solution. International Journal of Applied Ceramic Technology, 2012, 9, 920-927.	2.2	4
83	Water bathing synthesis of high-surface-area nanocrystal-assembled SnO ₂ particles. Journal of Solid State Chemistry, 2012, 189, 21-24.	3.2	15
84	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. Japanese Journal of Applied Physics, 2012, 51, 09LC03.	2.0	12
85	Environmentally Friendly Tin Oxide Coating through Aqueous Solution Process. Ceramic Transactions, 2012, , 13-23.	0.0	0
86	Dye-sensitized biosystem sensing using macroporous semiconducting metal oxide films. Journal of Materials Chemistry, 2011, 21, 5738.	8.1	38
87	Connectivity of PS-b-PEO templated spherical pores in titanium oxide films. Physical Chemistry Chemical Physics, 2011, 13, 12529.	2.8	47
88	Influence of Degree of Gas Saturation on Multibubble Sonoluminescence Intensity. Journal of Physical Chemistry A, 2011, 115, 5089-5093.	2.7	12
89	Tailored Liquid Alkoxides for the Chemical Solution Processing of Pb-Free Ferroelectric Thin Films. Springer Series in Materials Science, 2011, , 63-92.	0.0	1
90	Growth of monodispersed SrTiO ₃ nanocubes by thermohydrolysis method. CrystEngComm, 2011, 13, 3878.	2.5	80

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91	Ligand-Assisted Fabrication of Small Mesopores in Semi-Crystalline Titanium Oxide Films for High Loading of Ru(II) Dyes. <i>Langmuir</i> , 2011, 27, 11436-11443.	3.8	14
92	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	48
93	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, 3233-3242.	0.6	71
94	Low-Temperature Fabrication of Bunch-Shaped ZnO Nanowires Using a Sodium Hydroxide Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10935-10939.	0.6	7
95	Aqueous synthesis of single-crystalline ZnO prisms on graphite substrates. <i>Journal of Crystal Growth</i> , 2011, 314, 180-184.	2.0	13
96	Site-Selective Chemical Reaction on Flexible Polymer Films for Tin Oxide Nanosheet Patterning. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2819-2825.	1.9	21
97	Fast synthesis, optical and bio-sensor properties of SnO ₂ nanostructures by electrochemical deposition. <i>Chemical Engineering Journal</i> , 2011, 168, 955-958.	11.9	34
98	Growth of BaTiO ₃ nanoparticles in ethanol-water mixture solvent under an ultrasound-assisted synthesis. <i>Chemical Engineering Journal</i> , 2011, 170, 333-337.	11.9	35
99	Numerical simulations of sonochemical production of BaTiO ₃ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 1211-1217.	8.7	25
100	High protein-adsorption characteristics of acicular crystal assembled TiO ₂ films and their photoelectric effect. <i>Thin Solid Films</i> , 2011, 519, 5135-5138.	1.9	6
101	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 09NC09.	2.0	12
102	Two-Dimensional Patterning of Inorganic Particles in Resin Using Ultrasound-Induced Plate Vibration. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 088006.	2.0	5
103	Effects of Sonication Conditions on Ultrasonic Dispersion of Inorganic Particles in Acrylic Resin. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 078004.	2.0	1
104	Organic Thin-Film Transistors with Tailored Liquid Sources of High- \hat{p} HfO ₂ Using Excimer Laser Irradiation. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01BC02.	2.0	1
105	Organic Thin-Film Transistors with Tailored Liquid Sources of High- \hat{p} HfO ₂ Using Excimer Laser Irradiation. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01BC02.	2.0	1
106	Characterization of Dielectric Nanocubes Ordered Structures Fabricated by Solution Self-Assembly Process. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 09NC09.	2.0	19
107	ZnO Nanoarrays Film Grown by Forced-Hydrolysis-Initiated-Nucleation Technique and its Photo-Induced Electrical Property. <i>Key Engineering Materials</i> , 2010, 421-422, 83-86.	0.4	0
108	Effects of UV Irradiation on Microstructure and Properties of HfO ₂ Films Prepared from Alkoxy-Derived Precursor Solution. <i>Key Engineering Materials</i> , 2010, 421-422, 91-94.	0.4	1

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109	Formation and Photocatalytic Application of ZnO Nanotubes Using Aqueous Solution. Langmuir, 2010, 26, 2811-2815.	3.8	265
110	A new effect of ultrasonication on the formation of BaTiO ₃ nanoparticles. Ultrasonics Sonochemistry, 2010, 17, 310-314.	8.7	54
111	Tin oxide coating on polytetrafluoroethylene films in aqueous solutions. Polymers for Advanced Technologies, 2010, 21, 211-215.	3.3	17
112	Fabrication of Zn(OH) ₂ /ZnO Nanosheet/ZnO Nanoarray Hybrid Structured Films by a Dissolution/Recrystallization Route. Journal of the American Ceramic Society, 2010, 93, 881-886.	3.8	20
113	Facile Synthesis, Characterization of ZnO Nanotubes and Nanoflowers in an Aqueous Solution. Journal of the American Ceramic Society, 2010, 93, 887-893.	3.8	25
114	Highly Enhanced Surface Area of Tin Oxide Nanocrystals. Journal of the American Ceramic Society, 2010, 93, 2140-2143.	3.8	22
115	Rapid Low-Temperature Synthesis of Porous ZnO Nanoparticle Film by Self-Hydrolysis Technique. Key Engineering Materials, 2010, 445, 123-126.	0.4	5
116	Dielectric Properties of HfO ₂ Films Prepared on Flexible Polymer Substrates Using UV Irradiation. Key Engineering Materials, 2010, 445, 164-167.	0.4	1
117	Optical and adsorption properties of ZnO nanotubes prepared from aqueous solutions. , 2010, , 949-950.		0
118	Organic Thin-Film Transistors with Tailored Liquid Sources of HfO ₂ as a High- κ Insulator. Japanese Journal of Applied Physics, 2010, 49, 04DK08.	2.0	3
119	Shape-Controlled Growth of In(OH) ₃ /In ₂ O ₃ Nanostructures by Electrodeposition. Langmuir, 2010, 26, 14814-14820.	3.8	33
120	Multineedle TiO ₂ Nanostructures, Self-Assembled Surface Coatings, and Their Novel Properties. Crystal Growth and Design, 2010, 10, 913-922.	3.5	57
121	Low-temperature fabrication of bunch-shaped ZnO nanowires using an sodium hydroxide aqueous solution. , 2010, , 943-944.		0
122	Dissolution/Recrystallization Induced Hierarchical Structure in ZnO: Bunched Roselike and Core/Shell-like Particles. Crystal Growth and Design, 2010, 10, 626-631.	3.5	43
123	Oriented aggregation of BaTiO ₃ nanocrystals and large particles in the ultrasonic-assistant synthesis. CrystEngComm, 2010, 12, 3441.	2.5	33
124	Characteristics of CeO ₂ Nanocubes and Related Polyhedra Prepared by Using a Liquid/Liquid Interface. Crystal Growth and Design, 2010, 10, 4537-4541.	3.5	94
125	Metal Oxide Nanoelectrodes for Environmental Sensors - ZnO Rods and Particulate Films. Ceramic Engineering and Science Proceedings, 2010, , 131-138.	0.0	0
126	Adsorption Property of Dye Molecule over Semi-Crystalline Mesoporous Titania Films. Key Engineering Materials, 2009, 388, 145-148.	0.4	1

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127	Synthesis of Well-Aligned ZnO Nanowhisker Films Using Aqueous Solution for Use in Dye-Sensitized Sensor. Key Engineering Materials, 2009, 388, 27-30.	0.4	0
128	Influence of Synthesis Condition on N ₂ Adsorption Characteristics of Anatase TiO ₂ Particles Prepared in an Aqueous Solution. Key Engineering Materials, 2009, 388, 103-106.	0.4	0
129	Patterning of HfO ₂ Thin Films Using Chemical Solution and Dielectric Properties. Key Engineering Materials, 2009, 388, 141-144.	0.4	4
130	Effect of Gel-Films-Thickness and Sintering Conditions on the Crystal Structure and Microstructure of Alkoxy-Derived BaTiO ₃ Thin Films. Key Engineering Materials, 2009, 388, 171-174.	0.4	0
131	Characterization of high-k HfO ₂ films prepared using chemically modified alkoxy-derived solutions. Journal of Applied Physics, 2009, 105, 061631.	2.3	13
132	Growth of Highly Orientated and Well-Aligned ZnO Nanowhiskers Using Aqueous Solutions. Materials Science Forum, 2009, 620-622, 477-480.	0.4	1
133	Synthesis of a transparent hybrid layer photocatalyst having high rubbing resistance. Journal of Materials Science, 2009, 44, 1388-1393.	3.5	1
134	Growth and electrical properties of ZnO films prepared by chemical bath deposition method. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 718-723.	1.6	46
135	Unique structure of ZnO films deposited by chemical bath deposition. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2551-2554.	1.6	1
136	Solâ€‘Gel Synthesis of Highâ€‘k HfO ₂ Thin Films. Journal of the American Ceramic Society, 2009, 92, .	3.8	23
137	Fabrication of Blanketâ€‘Like Assembled ZnO Nanowhiskers Using an Aqueous Solution. Journal of the American Ceramic Society, 2009, 92, 922-926.	3.8	18
138	Fabrication of ZnO nanowhiskers array film by forced-hydrolysis-initiated-nucleation technique using various templates. Thin Solid Films, 2009, 518, 621-624.	1.9	8
139	Low-temperature fabrication of porous and transparent ZnO films with hybrid structure by self-hydrolysis method. Thin Solid Films, 2009, 518, 638-641.	1.9	11
140	Dye Adsorption Characteristics of Anatase TiO ₂ Film Prepared in an Aqueous Solution. Thin Solid Films, 2009, 518, 845-849.	1.9	16
141	Room-temperature synthesis of tin oxide nano-electrodes in aqueous solutions. Thin Solid Films, 2009, 518, 850-852.	1.9	17
142	Control of crystal growth for ZnO nanowhisker films in aqueous solution. Thin Solid Films, 2009, 518, 906-910.	1.9	10
143	Acicular crystal-assembled TiO ₂ thin films and their deposition mechanism. Journal of Crystal Growth, 2009, 311, 512-517.	2.0	14
144	Selectively dissolutionâ€‘recrystallization of ZnO crystals at the airâ€‘liquid interface. Journal of Crystal Growth, 2009, 311, 482-485.	2.0	7

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145	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.	2.0	13
146	Optical properties and dye adsorption characteristics of acicular crystal assembled TiO ₂ thin films. <i>Journal of Crystal Growth</i> , 2009, 311, 436-439.	2.0	7
147	Aqueous synthesis of nanosheet assembled tin oxide particles and their N ₂ adsorption characteristics. <i>Journal of Crystal Growth</i> , 2009, 311, 593-596.	2.0	37
148	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.	2.0	17
149	Effects of polyethylenimine on morphology and property of ZnO films grown in aqueous solutions. <i>Applied Surface Science</i> , 2009, 255, 6823-6826.	6.6	13
150	Rapid Fabrication of Mesoporous Titania Films with Controlled Macroporosity to Improve Photocatalytic Property. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1486-1493.	3.1	43
151	Aqueous Synthesis of ZnO Rod Arrays for Molecular Sensor. <i>Crystal Growth and Design</i> , 2009, 9, 3083-3088.	3.5	44
152	Characteristics of BaTiO ₃ Particles Sonochemically Synthesized in Aqueous Solution. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 09KC02.	2.0	17
153	Triblock copolymer templated semi-crystalline mesoporous titania films containing emulsion-induced macropores. <i>Journal of Materials Chemistry</i> , 2009, 19, 1894.	8.1	49
154	Polyethylenimine-Guided Self-Twin Zinc Oxide Nanoarray Assemblies. <i>Crystal Growth and Design</i> , 2009, 9, 3598-3602.	3.5	18
155	Temperature-controlled and aerosol-assisted synthesis of aluminium organophosphonate spherical particles with uniform mesopores. <i>Chemical Communications</i> , 2009, , 4938.	4.2	41
156	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.	1.1	69
157	Microstructure of High c-Axis Oriented Stand-Alone ZnO Self-Assembled Film. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 490-494.	0.6	3
158	Self-Standing Particle-Binding ZnO Film. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 433-438.	0.6	5
159	Iridescent Stand-Alone TiO ₂ Films Crystallized from Aqueous Solutions. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 439-444.	0.6	4
160	Morphology Control of Metal Oxides for Environmental Sensors. <i>Ceramic Engineering and Science Proceedings</i> , 2009, , 113-120.	0.0	0
161	Semi-circular shaped ZnO nanowhiskers assemblies deposited using an aqueous solution. <i>Applied Surface Science</i> , 2008, 255, 2329-2332.	6.6	10
162	Surface morphology control of zirconia thin films prepared using novel photochromic molecules. <i>Thin Solid Films</i> , 2008, 516, 2635-2638.	1.9	8

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