

Kazumi Kato

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ultrafast Ion Transport via Dielectric Nanocube Interface. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101682-6	4.6	0
307	Effect of heat treatment on internal stress in barium titanate nanocube assemblies and their dielectric property. <i>AIP Advances</i> , 2021 , 11, 025235	1.5	0
306	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	2.4	3
305	Hydrothermal synthesis of A-site substituted BaTiO ₃ nanocubes. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 475-480	1	3
304	Nanoarchitectonics of Acicular Nanocrystal Assembly and Nanosheet Assembly for Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3004-3012	1.3	0
303	Dynamic dielectric-response model of flexoelectric polarization from kHz to MHz range in an ordered assembly of BaTiO nanocubes. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 495301	1.8	4
302	Effect of oleic acid on the formation of lead zirconate titanate nanoplates. <i>Journal of Crystal Growth</i> , 2020 , 548, 125811	1.6	1
301	High refractive index and dielectric properties of BaTiO ₃ nanocube/polymer composite films. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	2
300	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	1.4	4
299	Electrospray Deposition of {200} Oriented Regular-Assembly BaTiO Nanocrystal Films under an Electric Field. <i>Langmuir</i> , 2019 , 35, 5496-5500	4	1
298	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	8
297	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	1.4	5
296	Reactions of Alkoxides Toward Nanostructured or Multicomponent Oxide Films 2018 , 113-132		
295	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	7
294	Development of New Fabrication Technology Using Self-Assembly Behaviors of Single-Crystalline Dielectric Nanocubes. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2018 , 65, 629-633	0.2	
293	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
292	Characterization of BaTiO ₃ nanocubes assembled into highly ordered monolayers using micro- and nano-Raman spectroscopy. <i>Applied Physics Letters</i> , 2018 , 112, 212901	3.4	6

291	Dielectric properties of barium zirconate titanate nanocube 3D-ordered assemblies. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 321-325	1	3
290	Numerical simulations of sonochemical production and oriented aggregation of BaTiO nanocrystals. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 673-680	8.9	6
289	High dielectric constant associated with the strain-induced phase transition of an ordered assembly of BaTiO ₃ nanocubes under three-dimensional clamping. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 021501	1.4	6
288	Nucleation and Growth Mechanism of Barium Titanate Nanoblocks in Hydrothermal Process Using Aqueous Titanium Compound. <i>Crystal Growth and Design</i> , 2017 , 17, 2507-2512	3.5	3
287	Spatial Control of Crystallographic Direction in 2D Microarrays of Anisotropic Nanoblocks on Trenched Substrates. <i>Langmuir</i> , 2017 , 33, 13805-13810	4	8
286	Reactions of Alkoxides Toward Nanostructured or Multicomponent Oxide Films 2017 , 1-20		
285	Nanostructuring of Metal Oxides in Aqueous Solutions 2016 , 369-458		
284	Anisotropy in morphology and crystal structure of BaTiO ₃ nanoblocks. <i>Materials and Design</i> , 2016 , 107, 378-385	8.1	3
283	Dynamic Equilibrium Model for a Bulk Nanobubble and a Microbubble Partly Covered with Hydrophobic Material. <i>Langmuir</i> , 2016 , 32, 11101-11110	4	68
282	Crystallographic fusion behavior and interface evolution of mono-layer BaTiO ₃ nanocube arrangement. <i>CrystEngComm</i> , 2016 , 18, 1543-1549	3.3	12
281	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
280	Synthesis and characterization of barium titanate-based solid solution nanocubes. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 639-643	1	3
279	Decoupling grain growth from densification during sintering of oxide nanoparticles. <i>RSC Advances</i> , 2016 , 6, 24661-24666	3.7	
278	Fabrication and electrical properties of barium titanate based solid solution nanocube assembly films. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 10TA05	1.4	5
277	Enhanced Thermopower in Nano-SrTiO ₃ Via Rare Earth Doping. <i>Journal of Electronic Materials</i> , 2015 , 44, 1773-1776	1.9	7
276	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
275	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
274	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

273	Dielectric properties of micropatterns consisting of barium titanate single-crystalline nanocubes. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 10NA11	1.4	13
272	Size and morphology controlling of barium titanate nanocubes by using hydrothermal method. <i>Journal of the Korean Physical Society</i> , 2015 , 66, 1364-1366	0.6	3
271	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
270	Revisiting the difference between traveling-wave and standing-wave thermoacoustic engines - A simple analytical model for the standing-wave one. <i>Journal of the Korean Physical Society</i> , 2015 , 67, 1755-1766	0.6	5
269	Activity of formaldehyde dehydrogenase on titanium dioxide films with different crystallinities. <i>Applied Surface Science</i> , 2015 , 329, 262-268	6.7	5
268	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
267	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
266	Aqueous phase deposition of dense tin oxide films with nano-structured surfaces. <i>Journal of Solid State Chemistry</i> , 2014 , 214, 42-46	3.3	0
265	Effect of surfactants on single bubble sonoluminescence behavior and bubble surface stability. <i>Physical Review E</i> , 2014 , 89, 043007	2.4	15
264	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
263	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
262	Polyethylenimine-assisted synthesis of transparent ZnO nanowhiskers at ambient temperatures. <i>Thin Solid Films</i> , 2014 , 558, 134-139	2.2	5
261	Water bath synthesis of tin oxide nanostructure coating for a molecular sensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2252-7	1.3	3
260	SnO ₂ Nanosheet-Assembled Graded Continuous Film. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 550-557	2	0
259	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
258	Enhanced dielectric properties of BaTiO ₃ nanocube assembled film in metal-insulator-metal capacitor structure. <i>Applied Physics Express</i> , 2014 , 7, 061501	2.4	36
257	Dipole-Dipole Interaction Model for Oriented Aggregation of BaTiO ₃ Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1663, 18		1
256	Thermoelectric Properties of Rare Earth-Doped SrTiO ₃ Nanocubes. <i>Journal of Electronic Materials</i> , 2014 , 43, 2011-2016	1.9	13

255	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
254	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
253	Influence of Adsorbate-Induced Charge Screening, Depolarization Factor, Mobile Carrier Concentration, and Defect-Induced Microstrain on the Size Effect of a BaTiO ₃ Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2013 , 130911155918002	3.8	7
252	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
251	Local Structure Analysis of BaTiO ₃ Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 09KF01	1.4	6
250	Phenol resin carbonized films with anisotropic shrinkage driven ordered mesoporous structures. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15135	1.3	16
249	Superhydrophilic SnO ₂ nanosheet-assembled film. <i>Thin Solid Films</i> , 2013 , 544, 567-570	2.2	23
248	BaTiO ₃ nanocube and assembly to ferroelectric supracrystals. <i>Journal of Materials Research</i> , 2013 , 28, 2932-2945	2.5	25
247	Fabrication and Characterization of Perovskite Nanocube Ordering Structures via Capillary-Force-Assisted Self-Assembly Process. <i>Key Engineering Materials</i> , 2013 , 566, 285-288	0.4	1
246	Structure and Properties of Thin Films Consisting of Single Crystalline BaTiO ₃ Nanocubes. <i>Key Engineering Materials</i> , 2013 , 582, 149-152	0.4	1
245	Dipole-Dipole Interaction Model for Oriented Attachment of BaTiO ₃ Nanocrystals Revisited. <i>Key Engineering Materials</i> , 2013 , 582, 145-148	0.4	1
244	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
243	Facile Synthesis of Characteristic Tin Oxide Particulate Films in Aqueous Solution. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 920-927	2	3
242	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
241	Bubble dynamics and sonoluminescence from helium or xenon in mercury and water. <i>Physical Review E</i> , 2012 , 86, 036320	2.4	10
240	Tin oxide nanosheet assembly for hydrophobic/hydrophilic coating and cancer sensing. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1666-74	9.5	47
239	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, 3853-61	1.3	20
238	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

237	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
236	In situ growth BaTiO ₃ nanocubes and their superlattice from an aqueous process. <i>Nanoscale</i> , 2012 , 4, 1344-9	7.7	96
235	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
234	Anisotropic electrical properties in bismuth layer structured dielectrics with natural super lattice structure. <i>Applied Physics Letters</i> , 2012 , 101, 012907	3.4	2
233	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LC03	1.4	8
232	Anisotropic Crystal Growth and Microstructure Observation of Single Phase SnO ₂ Nano-sheet Assemblies. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2012 , 59, 342-346	0.2	0
231	Roles of Organic Ligands at the Surface of Nanocrystals for Bottom-Up Structure and Properties. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2012 , 63, 357	0.1	
230	Fabrication and Characterization of Dielectric Nanocube Self-Assembled Structures. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LC03	1.4	11
229	Tailored Liquid Alkoxides for the Chemical Solution Processing of Pb-Free Ferroelectric Thin Films. <i>Springer Series in Materials Science</i> , 2011 , 63-92	0.9	1
228	Growth of monodispersed SrTiO ₃ nanocubes by thermohydrolysis method. <i>CrystEngComm</i> , 2011 , 13, 3878	3.3	75
227	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
226	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
225	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
224	Low-temperature fabrication of bunch-shaped ZnO nanowires using a sodium hydroxide aqueous solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 10935-9	1.3	6
223	Aqueous synthesis of single-crystalline ZnO prisms on graphite substrates. <i>Journal of Crystal Growth</i> , 2011 , 314, 180-184	1.6	12
222	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
221	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
220	Growth of BaTiO ₃ nanoparticles in ethanol-water mixture solvent under an ultrasound-assisted synthesis. <i>Chemical Engineering Journal</i> , 2011 , 170, 333-337	14.7	30

219	Dye-sensitized biosystem sensing using macroporous semiconducting metal oxide films. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5738		36
218	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
217	Influence of degree of gas saturation on multibubble sonoluminescence intensity. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 5089-93	2.8	7
216	Numerical simulations of sonochemical production of BaTiO ₃ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2011 , 18, 1211-7	8.9	24
215	High protein-adsorption characteristics of acicular crystal assembled TiO ₂ films and their photoelectric effect. <i>Thin Solid Films</i> , 2011 , 519, 5135-5138	2.2	4
214	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
213	Two-Dimensional Patterning of Inorganic Particles in Resin Using Ultrasound-Induced Plate Vibration. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 088006	1.4	5
212	Effects of Sonication Conditions on Ultrasonic Dispersion of Inorganic Particles in Acrylic Resin. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 078004	1.4	1
211	Organic Thin-Film Transistors with Tailored Liquid Sources of High- κ HfO ₂ Using Excimer Laser Irradiation. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BC02	1.4	1
210	Organic Thin-Film Transistors with Tailored Liquid Sources of High- κ HfO ₂ Using Excimer Laser Irradiation. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BC02	1.4	1
209	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
208	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
207	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
206	Highly Enhanced Surface Area of Tin Oxide Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2140-2143	3.8	19
205	Rapid Low-Temperature Synthesis of Porous ZnO Nanoparticle Film by Self-Hydrolysis Technique. <i>Key Engineering Materials</i> , 2010 , 445, 123-126	0.4	3
204	Dielectric Properties of HfO ₂ Films Prepared on Flexible Polymer Substrates Using UV Irradiation. <i>Key Engineering Materials</i> , 2010 , 445, 164-167	0.4	1
203	Organic Thin-Film Transistors with Tailored Liquid Sources of HfO ₂ as a High- κ Insulator. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 04DK08	1.4	2
202	Shape-controlled growth of In(OH) ₃ /In ₂ O ₃ nanostructures by electrodeposition. <i>Langmuir</i> , 2010 , 26, 14814-20	4	32

201	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
200	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
199	Oriented aggregation of BaTiO ₃ nanocrystals and large particles in the ultrasonic-assistant synthesis. <i>CrystEngComm</i> , 2010 , 12, 3441	3.3	31
198	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
197	Morphology Control of Metal Oxides for Environmental Sensors. <i>Ceramic Engineering and Science Proceedings</i> , 2010 , 113-120	0.1	
196	Formation and photocatalytic application of ZnO nanotubes using aqueous solution. <i>Langmuir</i> , 2010 , 26, 2811-5	4	222
195	A new effect of ultrasonication on the formation of BaTiO ₃ nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2010 , 17, 310-4	8.9	45
194	Tin oxide coating on polytetrafluoroethylene films in aqueous solutions. <i>Polymers for Advanced Technologies</i> , 2010 , 21, 211-215	3.2	16
193	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
192	Growth of Highly Orientated and Well-Aligned ZnO Nanowhiskers Using Aqueous Solutions. <i>Materials Science Forum</i> , 2009 , 620-622, 477-480	0.4	0
191	ZnO Nanoarrays Film Grown by Forced-Hydrolysis-Initiated-Nucleation Technique and its Photo-Induced Electrical Property. <i>Key Engineering Materials</i> , 2009 , 421-422, 83-86	0.4	
190	Effects of UV Irradiation on Microstructure and Properties of HfO ₂ Films Prepared from Alkoxy-Derived Precursor Solution. <i>Key Engineering Materials</i> , 2009 , 421-422, 91-94	0.4	1
189	Synthesis of a transparent hybrid layer photocatalyst having high rubbing resistance. <i>Journal of Materials Science</i> , 2009 , 44, 1388-1393	4.3	1
188	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
187	Unique structure of ZnO films deposited by chemical bath deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2551-2554	1.6	0
186	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
185	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
184	Fabrication of ZnO nanowhiskers array film by forced-hydrolysis-initiated-nucleation technique using various templates. <i>Thin Solid Films</i> , 2009 , 518, 621-624	2.2	5

183	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
182	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
181	Room-temperature synthesis of tin oxide nano-electrodes in aqueous solutions. <i>Thin Solid Films</i> , 2009 , 518, 850-852	2.2	17
180	Control of crystal growth for ZnO nanowhisker films in aqueous solution. <i>Thin Solid Films</i> , 2009 , 518, 906-910	2.2	10
179	Acicular crystal-assembled TiO ₂ thin films and their deposition mechanism. <i>Journal of Crystal Growth</i> , 2009 , 311, 512-517	1.6	13
178	Selectively dissolution-recrystallization of ZnO crystals at the air-liquid interface. <i>Journal of Crystal Growth</i> , 2009 , 311, 482-485	1.6	5
177	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
176	Optical properties and dye adsorption characteristics of acicular crystal assembled TiO ₂ thin films. <i>Journal of Crystal Growth</i> , 2009 , 311, 436-439	1.6	6
175	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
174	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
173	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
172	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
171	Aqueous Synthesis of ZnO Rod Arrays for Molecular Sensor. <i>Crystal Growth and Design</i> , 2009 , 9, 3083-3088	3.8	41
170	Characteristics of BaTiO ₃ Particles Sonochemically Synthesized in Aqueous Solution. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 09KC02	1.4	14
169	Triblock copolymer templated semi-crystalline mesoporous titania films containing emulsion-induced macropores. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1894		50
168	Polyethylenimine-Guided Self-Twin Zinc Oxide Nanoarray Assemblies. <i>Crystal Growth and Design</i> , 2009 , 9, 3598-3602	3.5	16
167	Temperature-controlled and aerosol-assisted synthesis of aluminium organophosphonate spherical particles with uniform mesopores. <i>Chemical Communications</i> , 2009 , 4938-40	5.8	39
166	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

165	Microstructure of high c-axis oriented stand-alone ZnO self-assembled film. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 490-4	1.3	2
164	Self-standing particle-binding ZnO film. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 433-8	1.3	3
163	Iridescent stand-alone TiO ₂ films crystallized from aqueous solutions. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 439-44	1.3	2
162	Nanocrystal Assembled TiO ₂ Particles Prepared from Aqueous Solution. <i>Crystal Growth and Design</i> , 2008 , 8, 3213-3218	3.5	37
161	Micropatterning of ZnO nanoarrays by forced hydrolysis of anhydrous zinc acetate. <i>Langmuir</i> , 2008 , 24, 7614-7	4	43
160	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
159	Morphology Control of Zinc Oxide Particles at Low Temperature. <i>Crystal Growth and Design</i> , 2008 , 8, 2633-2637	3.5	37
158	High c-Axis Oriented Stand-Alone ZnO Self-Assembled Film. <i>Crystal Growth and Design</i> , 2008 , 8, 275-279	3.5	51
157	Adsorption Property of Dye Molecule over Semi-Crystalline Mesoporous Titania Films. <i>Key Engineering Materials</i> , 2008 , 388, 145-148	0.4	1
156	Synthesis of Well-Aligned ZnO Nanowhisker Films Using Aqueous Solution for Use in Dye-Sensitized Sensor. <i>Key Engineering Materials</i> , 2008 , 388, 27-30	0.4	
155	Influence of Synthesis Condition on N ₂ Adsorption Characteristics of Anatase TiO ₂ Particles Prepared in an Aqueous Solution. <i>Key Engineering Materials</i> , 2008 , 388, 103-106	0.4	
154	Patterning of HfO ₂ Thin Films Using Chemical Solution and Dielectric Properties. <i>Key Engineering Materials</i> , 2008 , 388, 141-144	0.4	4
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