Tohru Sekino

List of Publications by Year
in descending order

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336 papers	10,720 citations	61945 43 h-index	39638 94 g-index
347 all docs	347 docs citations	347 times ranked	10274 citing authors

#	Article	IF	Citations
1	Change in elastic properties during room-temperature aging in body-centered cubic Mgâ€“Li and Mgâ€“Liâ€“Al single crystals. Journal of Materials Science and Technology, 2022, 109, 49-53.	5.6	1
2	Immunomodulatory Properties and Osteogenic Activity of Polyetheretherketone Coated with Titanate Nanonetwork Structures. International Journal of Molecular Sciences, 2022, 23, 612.	1.8	10
3	Mechanism investigation of the enhanced oxygen storage performance of YBaCo₄O_{7+Î´} synthesized by a glycine-complex decomposition method. Chemical Communications, 2022, 58, 2822-2825.	2.2	0
4	BaTiO3 Nanocubes Functionalized by Catechol-Based Organic Molecules via Ligand-Exchange and Chemical Reactions: Implications for Closed Packing of Nanoblocks. ACS Applied Nano Materials, 2022, 5, 1056-1067.	2.4	1
5	Fluorescent properties of octacalcium phosphate with incorporated isophthalate ions. Journal of the Ceramic Society of Japan, 2022, 130, 337-340.	0.5	5
6	Enhanced Photocatalytic Activity of Porphyrin Nanodisks Prepared by Exfoliation of Metalloporphyrin-Based Covalent Organic Frameworks. ACS Omega, 2022, 7, 7172-7178.	1.6	13
7	Pyroelectric power generation in PLZST material by temperature dependent phase transformation. Ceramics International, 2022, 48, 8689-8695.	2.3	6
8	Operando structure observation of pyroelectric ceramics during power generation cycle. Journal of Applied Physics, 2022, 131, .	1.1	1
9	Examination of pyroelectric power generation over a wide temperature range by controlling the Zr:Sn composition ratio of PLZST. Journal of Asian Ceramic Societies, 2022, 10, 99-107.	1.0	2
10	The effects of microstructure on mechanical and electrical properties of W dispersed Al₂O₃ ceramics. International Journal of Applied Ceramic Technology, 2022, 19, 1746-1755.	1.1	5
11	Peculiarities of the formation, structural and morphological properties of zinc whitlockite (Ca₁₈Zn₂(HPO₄)₂(PO₄)₁₂) synthesized via a phase transformation process under hydrothermal conditions. CrystEngComm, 2022, 24, 5068-5079.	1.3	6
12	Porphyrin covalent organic nanodisks synthesized using acid-assisted exfoliation for improved bactericidal efficacy. Nanoscale Advances, 2022, 4, 2992-2995.	2.2	1
13	Development of Ti dispersed ZrO2 composites and their room-temperature crack-healing behaviors. Journal of Alloys and Compounds, 2021, 851, 156895.	2.8	3
14	Enhancing piezoelectric properties of Ba0.88Ca0.12Zr0.12Ti0.88O3 lead-free ceramics by doping Co ions. Ceramics International, 2021, 47, 3272-3278.	2.3	15
15	Role of CeAl 11 O 18 in reinforcing Al 2 O 3 /Ti composites by adding CeO 2. International Journal of Applied Ceramic Technology, 2021, 18, 170-181.	1.1	4
16	Preparation of ultra-thin TiO2 shell by peroxo titanium complex (PTC) solution-based green surface modification, and photocatalytic activity of homo-core/shell TiO2. Applied Surface Science, 2021, 540, 148399.	3.1	11
17	Elastic isotropy originating from heterogeneous interlayer elastic deformation in a Ti3SiC2 MAX phase with a nanolayered crystal structure. Journal of the European Ceramic Society, 2021, 41, 2278-2289.	2.8	7
18	Sr²⁺ sorption property of seaweed-like sodium titanate mats: effects of crystallographic properties. RSC Advances, 2021, 11, 18676-18684.	1.7	4

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19	Incorporation of tetracarboxylate ions into octacalcium phosphate for the development of next-generation biofriendly materials. Communications Chemistry, 2021, 4, .	2.0	19
20	Fine TiC dispersed Al₂O₃ composites fabricated via in situ reaction synthesis and conventional process. Journal of the American Ceramic Society, 2021, 104, 2753-2766.	1.9	7
21	Stabilization of Size-Controlled BaTiO₃ Nanocubes via Precise Solvothermal Crystal Growth and Their Anomalous Surface Compositional Reconstruction. ACS Omega, 2021, 6, 9410-9425.	1.6	12
22	Isotropic enhancement of the thermal conductivity of polymer composites by dispersion of equiaxed polyhedral boron nitride fillers. Composites Science and Technology, 2021, 208, 108770.	3.8	23
23	Dissolutionâ€"Precipitation Synthesis and Characterization of Zinc Whitlockite with Variable Metal Content. ACS Biomaterials Science and Engineering, 2021, 7, 3586-3593.	2.6	22
24	Refractory Metal Oxideâ€"Doped Titanate Nanotubes: Synthesis and Photocatalytic Activity under UV/Visible Light Range. Catalysts, 2021, 11, 987.	1.6	1
25	Selective adsorption of dyes on TiO2-modified hydroxyapatite photocatalysts morphologically controlled by solvothermal synthesis. Journal of Environmental Chemical Engineering, 2021, 9, 105738.	3.3	15
26	Fluorescence and physical properties of thulium and erbium co-doped dental zirconia. Dental Materials Journal, 2021, 40, 1080-1085.	0.8	0
27	<i>In vivo</i> bioresorbability and bone formation ability of sintered highly pure calcium carbonate granules. Dental Materials Journal, 2021, 40, 1202-1207.	0.8	4
28	UV/ozone irradiation manipulates immune response for antibacterial activity and bone regeneration on titanium. Materials Science and Engineering C, 2021, 129, 112377.	3.8	12
29	The influence of Fe³⁺ doping on thermally induced crystallization and phase evolution of amorphous calcium phosphate. CrystEngComm, 2021, 23, 4627-4637.	1.3	11
30	Titanium Nitride and Yttrium Titanate Nanocomposites, Endowed with Renewable Selfâ€Healing Ability. Advanced Materials Interfaces, 2021, 8, 2100979.	1.9	4
31	Optimizing TiO₂ through Water-Soluble Ti Complexes as Raw Material for Controlling Particle Size and Distribution of Synthesized BaTiO₃ Nanocubes. ACS Omega, 2021, 6, 32517-32527.	1.6	5
32	Bottom-up method for synthesis of layered lithium titanate nanoplates using ion precursor. Chemical Communications, 2021, 57, 12536-12539.	2.2	2
33	Pyroelectric power generation from the waste heat of automotive exhaust gas. Sustainable Energy and Fuels, 2020, 4, 1143-1149.	2.5	16
34	Low Alkali Bottom-Up Synthesis of Titanate Nanotubes Using a Peroxo Titanium Complex Ion Precursor for Photocatalysis. ACS Applied Nano Materials, 2020, 3, 7795-7803.	2.4	11
35	Photocatalytic properties and controlled morphologies of TiO2-modified hydroxyapatite synthesized by the urea-assisted hydrothermal method. Powder Technology, 2020, 373, 468-475.	2.1	9
36	Sorption capacity of seaweed-like sodium titanate mats for Co²⁺ removal. RSC Advances, 2020, 10, 41032-41040.	1.7	8

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37	The effects of sintering temperature on mechanical and electrical properties of Al2O3/Ti composites. Materials Today Communications, 2020, 25, 101522.	0.9	18
38	Crystallization Behavior of the Low-Temperature Mineralization Sintering Process for Glass Nanoparticles. Materials, 2020, 13, 3281.	1.3	2
39	Effects of Annealing Temperature on the Crystal Structure, Morphology, and Optical Properties of Peroxo-Titanate Nanotubes Prepared by Peroxo-Titanium Complex Ion. Nanomaterials, 2020, 10, 1331.	1.9	8
40	Enhancing Visible Light Absorption of Yellow-Colored Peroxo-Titanate Nanotubes Prepared Using Peroxo Titanium Complex Ions. ACS Omega, 2020, 5, 21753-21761.	1.6	14
41	Hydroxyapatite Formation from Octacalcium Phosphate and Its Related Compounds: A Discussion of the Transformation Mechanism. Bulletin of the Chemical Society of Japan, 2020, 93, 701-707.	2.0	18
42	Ti and SmAlO3 co-affected Al2O3 ceramics: Microstructure, electrical and mechanical properties. Journal of Alloys and Compounds, 2020, 835, 155427.	2.8	7
43	Enhanced Osseointegration and Bio-Decontamination of Nanostructured Titanium Based on Non-Thermal Atmospheric Pressure Plasma. International Journal of Molecular Sciences, 2020, 21, 3533.	1.8	11
44	Low-temperature mineralization sintering process for fabrication of fluoridated hydroxyapatite-containing bioactive glass. Ceramics International, 2020, 46, 25520-25526.	2.3	6
45	Ti and TiC co-toughened Al2O3 composites by in-situ synthesis from reaction of Ti and MWCNT. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 777, 139066.	2.6	13
46	1T/2H-MoS2 engineered by in-situ ethylene glycol intercalation for improved toluene sensing response at room temperature. Advanced Powder Technology, 2020, 31, 1868-1878.	2.0	24
47	Synthesis of porphyrin nanodisks from COFs through mechanical stirring and their photocatalytic activity. Applied Surface Science, 2020, 513, 145720.	3.1	17
48	Fe and Zn co-substituted beta-tricalcium phosphate (Î²-TCP): Synthesis, structural, magnetic, mechanical and biological properties. Materials Science and Engineering C, 2020, 112, 110918.	3.8	22
49	CNTâ€induced TiC toughened Al 2 O 3 /Ti composites: Mechanical, electrical, and roomâ€temperature crackâ€healing behaviors. Journal of the American Ceramic Society, 2020, 103, 4573-4585.	1.9	6
50	Predicting performance of thermal-electrical cycles in pyroelectric power generation. Japanese Journal of Applied Physics, 2020, 59, 094501.	0.8	4
51	Low-temperature mineralization sintering process of bioactive glass nanoparticles. Journal of the Ceramic Society of Japan, 2020, 128, 783-789.	0.5	1
52	Low-Dimensional Carbon and Titania Nanotube Composites via a Solution Chemical Process and Their Nanostructural and Electrical Properties for Electrochemical Devices. ACS Applied Nano Materials, 2019, 2, 6230-6237.	2.4	6
53	Effect of mussel adhesive protein coating on osteogenesis in vitro and osteointegration in vivo to alkali-treated titanium with nanonetwork structures . International Journal of Nanomedicine, 2019, Volume 14, 3831-3843.	3.3	19
54	Optimized Surface Characteristics and Enhanced in Vivo Osseointegration of Alkali-Treated Titanium with Nanonetwork Structures. International Journal of Molecular Sciences, 2019, 20, 1127.	1.8	17

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55	Electrochemically assisted roomâ€temperature crack healing of ceramicâ€based composites. Journal of the American Ceramic Society, 2019, 102, 4236-4246.	1.9	14
56	UV Treatment Improves the Biocompatibility and Antibacterial Properties of Crystallized Nanostructured Titanium Surface. International Journal of Molecular Sciences, 2019, 20, 5991.	1.8	15
57	Making insulating Al2O3 electrically conductive without loss of translucency using a small amount of ITO grain boundary phase. Scripta Materialia, 2019, 159, 24-27.	2.6	6
58	Diffusionless isothermal omega transformation in titanium alloys driven by quenched-in compositional fluctuations. Physical Review Materials, 2019, 3, .	0.9	12
59	Fine Tiâ€dispersed Al‹sub›2‹/sub›O‹sub›3‹/sub› composites and their mechanical and electrical properties. Journal of the American Ceramic Society, 2018, 101, 3181-3190.	1.9	26
60	Fabrication of Au nanoparticles on poly(vinylpyrrolidone) nanowires exhibiting reversible frequency change of localized surface plasmon resonance. AIP Advances, 2018, 8, 015314.	0.6	1
61	Low-temperature hydrothermal synthesis and characterization of SrTiO₃ photocatalysts for NO<i>_x</i> degradation. Journal of the Ceramic Society of Japan, 2018, 126, 135-138.	0.5	21
62	Homogeneously bulk porous calcium hexaaluminate (CaAl12O19): Reactive sintering and microstructure development. Ceramics International, 2018, 44, 4462-4466.	2.3	19
63	Surface-morphology modification of ceramic-based composites for photocatalytic activity via simple chemical and heat treatments. Journal of the Ceramic Society of Japan, 2018, 126, 877-884.	0.5	6
64	Effect of nitrogen gas pressure during heat treatment on the morphology of silicon nitride fibers synthesized by carbothermal nitridation. Journal of Asian Ceramic Societies, 2018, 6, 401-408.	1.0	5
65	Fluorescence of thulium-doped translucent zirconia. Dental Materials Journal, 2018, 37, 1010-1016.	0.8	9
66	Sorption capacity of Cs⁺ on titania nanotubes synthesized by solution processing. Journal of the Ceramic Society of Japan, 2018, 126, 801-807.	0.5	10
67	Formation of vertically grown 1D TiO₂ nanorods on the surface of Al₂O₃/Ti composites by simple heat treatment and their photocatalytic performance. Journal of the Ceramic Society of Japan, 2018, 126, 847-851.	0.5	1
68	Temperature stability of PIN-PMN-PT ternary ceramics during pyroelectric power generation. Journal of Alloys and Compounds, 2018, 768, 22-27.	2.8	17
69	Combinative effects of Y2O3 and Ti on Al2O3 ceramics for optimizing mechanical and electrical properties. Ceramics International, 2018, 44, 18382-18388.	2.3	14
70	Cr-doped TiO2 nanotubes with a double-layer model: An effective way to improve the efficiency of dye-sensitized solar cells. Applied Surface Science, 2018, 458, 523-528.	3.1	25
71	Yb3+, Er3+ and Tm3+ doped Î±-Sialon as upconversion phosphor. Journal of Luminescence, 2018, 204, 485-492.	1.5	8
72	Microstructure and mechanical properties of TiN dispersed Si3N4 ceramics via in-situ nitridation of coarse metallic Ti. Ã‰pÃ‡Å‘anyag: Journal of Silicate Based and Composite Materials, 2018, 70, 195-203.	0.0	5

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73	Relationship between the CO sensing performance of micro-thermoelectric gas sensors and characteristics of PtPd/Co3O4 and PtPd/SnO2 catalysts. Sensors and Actuators B: Chemical, 2017, 243, 847-855.	4.0	8
74	RGO/Ag2S/TiO2 ternary heterojunctions with highly enhanced UV-NIR photocatalytic activity and stability. Applied Catalysis B: Environmental, 2017, 204, 593-601.	10.8	108
75	Comparative study on the photocatalytic properties of Ag3PO4 fabricated by different methods. Research on Chemical Intermediates, 2017, 43, 5261-5269.	1.3	1
76	Photocatalytic activity under UV/Visible light range of Nb-doped titanate nanostructures synthesized with Nb oxide. Applied Surface Science, 2017, 415, 126-131.	3.1	9
77	Impact of grain shape on the micromechanics-based extraction of single-crystalline elastic constants from polycrystalline samples with crystallographic texture. Acta Materialia, 2017, 122, 236-251.	3.8	13
78	Room-Temperature H2 Gas Sensing Characterization of Graphene-Doped Porous Silicon via a Facile Solution Dropping Method. Sensors, 2017, 17, 2750.	2.1	24
79	Effect of ultraviolet treatment on bacterial attachment and osteogenic activity to alkali-treated titanium with nanonetwork structures. International Journal of Nanomedicine, 2017, Volume 12, 4633-4646.	3.3	40
80	The Synthesis and Photocatalytic activity of Carbon Nanotube-mixed TiO2 Nanotubes. Journal of Korean Powder Metallurgy Institute, 2017, 24, 279-284.	0.2	1
81	Solution Processing of Low-Dimensional Nanostructured Titanium Dioxide. , 2016, , 475-496.		2
82	Crystallization and microstructure formation of glass with Y2Si2O7-mullite eutectic composition. Ceramics International, 2016, 42, 13601-13604.	2.3	7
83	Translucency and low-temperature degradation of silica-doped zirconia: A pilot study. Dental Materials Journal, 2016, 35, 571-577.	0.8	16
84	Influence of Heater Diameter on the Temperature Distribution and Melt Convection in a Directional Solidification System for Mono-Like Silicon Growth. Materials Science Forum, 2016, 868, 100-104.	0.3	1
85	Thermal conductivity of hot-pressed hexagonal boron nitride. Scripta Materialia, 2016, 124, 138-141.	2.6	36
86	Fabrication of a TiO2-P25/(TiO2-P25+TiO2 nanotubes) junction for dye sensitized solar cells. Progress in Natural Science: Materials International, 2016, 26, 375-379.	1.8	10
87	Smart window coating based on F-TiO2-KxWO3 nanocomposites with heat shielding, ultraviolet isolating, hydrophilic and photocatalytic performance. Scientific Reports, 2016, 6, 27373.	1.6	44
88	Improvement in fracture strength in electrically conductive AlN ceramics with high thermal conductivity. Ceramics International, 2016, 42, 13183-13189.	2.3	49
89	Effect of microwave-assisted hydrothermal process parameters on formation of different TiO2 nanostructures. Catalysis Today, 2016, 266, 46-52.	2.2	26
90	Nanostructured Ti6Al4V alloy fabricated using modified alkali-heat treatment: Characterization and cell adhesion. Materials Science and Engineering C, 2016, 59, 617-623.	3.8	37

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91	Fitting accuracy and fracture resistance of crowns using a hybrid zirconia frame made of both porous and dense zirconia. Dental Materials Journal, 2015, 34, 257-262.	0.8	5
92	Characterization and Bone Differentiation of Nanoporous Structure Fabricated on Ti6Al4V Alloy. Journal of Nanomaterials, 2015, 2015, 1-12.	1.5	4
93	Localization Effect on Pt-Loaded Ce0.5Zr0.5O2 Nanoparticles Inserted Into Mesoporous SBA-16 by Hydrothermal Processing. Journal of Nanoscience and Nanotechnology, 2015, 15, 7117-7120.	0.9	0
94	Graphene/MxWO3 (M=Na, K) nanohybrids with excellent electrical properties. Carbon, 2015, 94, 309-316.	5.4	15
95	Effects of stacking sequence and short-range ordering of solute atoms on elastic properties of Mgâ€“Znâ€“Y alloys with long-period stacking ordered structures. Acta Materialia, 2015, 96, 170-188.	3.8	42
96	Synthesis of <scp>T</scp>i<scp>O</scp>_{2â^'x}<scp>N</scp>_y/<scp>A</scp>gâ€<scp>P</scp>b<scp>M</sc Composite and Their Photocatalytic Activity Under Simulated Solar Light Irradiation. International Journal of Applied Ceramic Technology, 2015, 12, 577-584.	1.1	5
97	Effect of Porphyromonas gingivalis Lipopolysaccharide on Bone Marrow Mesenchymal Stem Cell Osteogenesis on a Titanium Nanosurface. Journal of Periodontology, 2015, 86, 448-455.	1.7	4
98	Er3+ loaded barium molybdate nanoparticles: IR to visible spectral upconversion. Materials Letters, 2015, 142, 7-10.	1.3	8
99	Cell Differentiation on Nanoscale Features of a Titanium Surface: Effects of Deposition Time in NaOH Solution. Journal of Hard Tissue Biology, 2014, 23, 63-70.	0.2	22
100	Osteogenic activity of titanium surfaces with nanonetwork structures. International Journal of Nanomedicine, 2014, 9, 1741.	3.3	58
101	Effect of Nanosheet Surface Structure of Titanium Alloys on Cell Differentiation. Journal of Nanomaterials, 2014, 2014, 1-11.	1.5	13
102	Understanding the infrared to visible upconversion luminescence properties of Er3+/Yb3+ co-doped BaMoO4 nanocrystals. Journal of Solid State Chemistry, 2014, 216, 36-41.	1.4	34
103	EDTA mediated microwave hydrothermal synthesis of WO3 hierarchical structure and its photoactivity under simulated solar light. Journal of Environmental Chemical Engineering, 2014, 2, 1365-1370.	3.3	18
104	Increasing Resistivity of Electrically Conductive Ceramics by Insulating Grain Boundary Phase. ACS Applied Materials & Interfaces, 2014, 6, 2759-2763.	4.0	16
105	Er3+/Yb3+co-doped bismuth molybdate nanosheets upconversion photocatalyst with enhanced photocatalytic activity. Journal of Solid State Chemistry, 2014, 209, 74-81.	1.4	80
106	Creation and Multifunction of Low-dimensional Nanostructured Titania via Solution Chemical Reaction Field Control. Materia Japan, 2014, 53, 546-549.	0.1	1
107	Electrospray deposition and characterization of Cu₂O thin films with ring-shaped 2-D network structure. Journal of the Ceramic Society of Japan, 2014, 122, 361-366.	0.5	4
108	Shear bond strength of veneering porcelain to porous zirconia. Dental Materials Journal, 2014, 33, 220-225.	0.8	8

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109	Nb and N co-doped TiO2 for a high-performance deNO x photocatalyst under visible LED light irradiation. Research on Chemical Intermediates, 2013, 39, 1509-1515.	1.3	11
110	Synthesis of Sm-doped TiO2 nanotubes and analysis of their methylene blue-removal properties under dark and UV-irradiated conditions. Research on Chemical Intermediates, 2013, 39, 1581-1591.	1.3	14
111	Green phosphorescence-assisted degradation of rhodamine Bdyes by Ag‹sub›3‹/sub›PO‹sub›4‹/sub›. Journal of Materials Chemistry A, 2013, 1, 1123-1126.	5.2	58
112	Synthesis of TiO2â˜N /Agâ€“PbMoO4 nanocomposites: An effective approach for photoinactivation of green tide under simulated solar light. Materials Letters, 2013, 101, 99-102.	1.3	4
113	Practical microwave-induced hydrothermal synthesis of rectangular prism-like CaTiO3. CrystEngComm, 2013, 15, 2359.	1.3	45
114	Fabrication of epoxy/silicon nitride nanowire composites and evaluation of their thermal conductivity. Journal of Materials Chemistry A, 2013, 1, 3440.	5.2	124
115	Roles of Cr3+ doping and oxygen vacancies in SrTiO3 photocatalysts with high visible light activity for NO removal. Journal of Catalysis, 2013, 297, 65-69.	3.1	84
116	Microwave assisted hydrothermal synthesis of Ag/AgCl/WO3 photocatalyst and its photocatalytic activity under simulated solar light. Journal of Solid State Chemistry, 2013, 197, 560-565.	1.4	77
117	Synthesis of solar light responsive Fe, N co-doped TiO2 photocatalyst by sonochemical method. Catalysis Today, 2013, 212, 75-80.	2.2	100
118	Synthesis, characterization and evaluation of the photocatalytic performance of Ag-CdMoO4 solar light driven plasmonic photocatalyst. Materials Research Bulletin, 2013, 48, 3367-3373.	2.7	39
119	Novel method for insertion of Pt/CeZrO2 nanoparticles into mesoporous SBA-16 using hydrothermal treatment. Applied Catalysis A: General, 2013, 458, 137-144.	2.2	17
120	Synthesis of Er3+ loaded barium molybdate nanoparticles: A new approach for harvesting solar energy. Materials Letters, 2013, 91, 294-297.	1.3	24
121	UV, visible and near-infrared lights induced NOx destruction activity of (Yb,Er)-NaYF4/C-TiO2 composite. Scientific Reports, 2013, 3, 2918.	1.6	71
122	Thermal and mechanical properties of hot pressed translucent Y2O3 doped Mgâ€“Î±/Î²-Sialon ceramics. Journal of Alloys and Compounds, 2013, 557, 112-119.	2.8	35
123	Densely Packed Linear Assembles of Carbon Nanotube Bundles in Polysiloxane-Based Nanocomposite Films. Journal of Nanomaterials, 2013, 2013, 1-10.	1.5	9
124	Dye-sensitized solar cells using purified squid ink nanoparticles coated on TiO₂ nanotubes/nanoparticles. Journal of the Ceramic Society of Japan, 2013, 121, 123-127.	0.5	11
125	4th International Symposium on Functional Materials (ISFM2011). Journal of Physics: Conference Series, 2012, 339, 011001.	0.3	0
126	Nanostructures and physicochemical properties of Pt nanoparticle-loaded titania nanotubes synthesized by photoreduction method. Journal of the Ceramic Society of Japan, 2012, 120, 307-310.	0.5	8

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127	The relationship between milling a new silica-doped zirconia and its resistance to low-temperature degradation (LTD): a pilot study. Dental Materials Journal, 2012, 31, 106-112.	0.8	8
128	The effect of adding silica to zirconia to counteract zirconiaâ€™s tendency to degrade at low temperatures. Dental Materials Journal, 2011, 30, 330-335.	0.8	22
129	Synthesis and Characterization of Ti1â^'xSnxO2 Nanoparticles and Nanotubes and their Photovoltaic Properties as Dye-Sensitized Solar Cell Photoelectrodes. International Journal of Applied Ceramic Technology, 2011, 8, 1353-1362.	1.1	5
130	Photoluminescence of samarium-doped TiO2 nanotubes. Journal of Solid State Chemistry, 2011, 184, 2695-2700.	1.4	41
131	Influence of the size-controlled TiO2 nanotubes fabricated by low-temperature chemical synthesis on the dye-sensitized solar cell properties. Journal of Materials Science, 2011, 46, 1749-1757.	1.7	20
132	Morphology modification of TiO2 nanotubes by controlling the starting material crystallite size for chemical synthesis. Journal of Nanoparticle Research, 2011, 13, 2319-2327.	0.8	7
133	Anodic TiO2 nanotubes powder and its application in dye-sensitized solar cells. Journal of Nanoparticle Research, 2011, 13, 6409-6418.	0.8	7
134	Wear Resistance of SiO₂â€Doped Yâ€TZP Grinding Media During Wet Milling. International Journal of Applied Ceramic Technology, 2010, 7, 502-511.	1.1	2
135	Homogeneous Dispersion of Gallium Nitride Nanoparticles in a Boron Nitride Matrix by Nitridation with Urea. Journal of Nanoscience and Nanotechnology, 2010, 10, 4312-4316.	0.9	0
136	Effects of Strontium Ion Doping on the Thermoelectric Properties of Dysprosium Cobalt Oxide. Materials Transactions, 2010, 51, 404-407.	0.4	5
137	Crystal Growth of Thiol-Stabilized Gold Nanoparticles by Heat-Induced Coalescence. Nanoscale Research Letters, 2010, 5, 813-817.	3.1	33
138	Optical, mechanical, and dielectric properties of Bi1/2Na1/2TiO3 thin film synthesized by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2010, 55, 306-310.	1.1	27
139	Fabrication of single-phase tungsten carbide laminae from multi- walled carbon nanotubes using high direct current pulse. , 2010, , .		0
140	Fabrication of single-phase titanium carbide layers from MWCNTs using high DC pulse. Nanotechnology, 2010, 21, 055608.	1.3	7
141	Temperature dependence of electrical and thermal properties for perovskite-type rare earth cobalt oxide solid solutions Pr1â^'xTbxCoO3 and their metalâ€“insulator transition behavior. Journal of Alloys and Compounds, 2010, 494, L3-L6.	2.8	2
142	Synthesis and Applications of Titanium Oxide Nanotubes. Topics in Applied Physics, 2010, , 17-32.	0.4	30
143	Electrochemical Growth of Vertically-Oriented High Aspect Ratio Titania Nanotubes by Rabid Anodization in Fluoride-Free Media. Journal of Nanoscience and Nanotechnology, 2009, 9, 1803-1818.	0.9	29
144	CTAB-Assisted Synthesis of Size- and Shape-Controlled Gold Nanoparticles in SDS Aqueous Solution. Materials Letters, 2009, 63, 2038-2040.	1.3	64

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145	Preparation of mullite-based iron magnetic nanocomposite powders by reduction of solid solution. Journal of Materials Science, 2009, 44, 2489-2496.	1.7	2
146	Facile oneâ€pot synthesis and characterization of novel nanostructured organic dispersible polyaniline. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1024-1029.	2.4	19
147	Electrochemical synthesis of silica-doped high aspect-ratio titania nanotubes as nanobioceramics for implant applications. Electrochimica Acta, 2009, 54, 3255-3269.	2.6	36
148	Simple one-step synthesis of water and organic media soluble gold nanoparticles with various shapes and sizes. Journal of Crystal Growth, 2009, 311, 651-656.	0.7	10
149	Easy synthesis of a nanostructured hybrid array consisting of gold nanoparticles and carbon nanotubes. Carbon, 2009, 47, 2924-2932.	5.4	11
150	Fabrication of graphene layers from multiwalled carbon nanotubes using high dc pulse. Applied Physics Letters, 2009, 95, .	1.5	36
151	A Novel Method for Synthesis of Titania Nanotube Powders using Rapid Breakdown Anodization. Chemistry of Materials, 2009, 21, 1967-1979.	3.2	95
152	One-step reverse micelle polymerization of organic dispersible polyaniline nanoparticles. Synthetic Metals, 2009, 159, 123-131.	2.1	96
153	Influence of ionic sizes of rare earths on thermoelectric properties of perovskite-type rare earth cobalt oxides RCoO3 (R=Pr, Nd, Tb, Dy). Journal of Alloys and Compounds, 2009, 484, 246-248.	2.8	35
154	Electrical Multifunctionalization of Structure Ceramics by 3-dimensional Nano-network Design and Control. Materia Japan, 2009, 48, 499-507.	0.1	0
155	Preparation of functional metal nanoparticles embedded mullite composite powders by solid solution reduction. Journal of the Ceramic Society of Japan, 2009, 117, 452-456.	0.5	2
156	Magnetic properties and thermal behavior of mulliteâ€“iron nanocomposite powders. Journal of Electroceramics, 2008, 21, 353-356.	0.8	1
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