

Tohru Sekino

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5556890/publications.pdf>

Version: 2024-02-01

336
papers

10,720
citations

71004

43
h-index

45040

94
g-index

347
all docs

347
docs citations

347
times ranked

11487
citing authors

#	ARTICLE	IF	CITATIONS
1	Change in elastic properties during room-temperature aging in body-centered cubic Mg ²⁺ Li and Mg ²⁺ Li ⁺ 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 YBaCo ₄ O _{7+δ} synthesized by a glycine-complex decomposition method. Chemical Communications, 2022, 58, 2822-2825.	2.2	0
4	BaTiO ₃ 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	<i>Operando</i> 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 Al ₂ O ₃ 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 (Ca ₁₈ Zn ₂ (HPO ₄) ₂ (PO ₄) ₁₂) synthesized <i>via</i> 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 ZrO ₂ composites and their room-temperature crack-healing behaviors. Journal of Alloys and Compounds, 2021, 851, 156895.	2.8	3
14	Enhancing piezoelectric properties of Ba _{0.88} Ca _{0.12} Zr _{0.12} Ti _{0.88} O ₃ 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 TiO ₂ shell by peroxo titanium complex (PTC) solution-based green surface modification, and photocatalytic activity of homo-core/shell TiO ₂ . Applied Surface Science, 2021, 540, 148399.	3.1	11
17	Elastic isotropy originating from heterogeneous interlayer elastic deformation in a Ti ₃ SiC ₂ MAX phase with a nanolayered crystal structure. Journal of the European Ceramic Society, 2021, 41, 2278-2289.	2.8	7
18	Sr ²⁺ sorption property of seaweed-like sodium titanate mats: effects of crystallographic properties. RSC Advances, 2021, 11, 18676-18684.	1.7	4

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

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

#	ARTICLE	IF	CITATIONS
55	Electrochemically assisted room-temperature crack healing of ceramic-based composites. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4236-4246.	1.9	14
56	UV Treatment Improves the Biocompatibility and Antibacterial Properties of Crystallized Nanostructured Titanium Surface. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5991.	1.8	15
57	Making insulating Al ₂ O ₃ electrically conductive without loss of translucency using a small amount of ITO grain boundary phase. <i>Scripta Materialia</i> , 2019, 159, 24-27.	2.6	6
58	Diffusionless isothermal omega transformation in titanium alloys driven by quenched-in compositional fluctuations. <i>Physical Review Materials</i> , 2019, 3, .	0.9	12
59	Fine Ti-dispersed Al ₂ O ₃ composites and their mechanical and electrical properties. <i>Journal of the American Ceramic Society</i> , 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. <i>AIP Advances</i> , 2018, 8, 015314.	0.6	1
61	Low-temperature hydrothermal synthesis and characterization of SrTiO ₃ photocatalysts for NO _x degradation. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 135-138.	0.5	21
62	Homogeneously bulk porous calcium hexaaluminate (CaAl ₁₂ O ₁₉): Reactive sintering and microstructure development. <i>Ceramics International</i> , 2018, 44, 4462-4466.	2.3	19
63	Surface-morphology modification of ceramic-based composites for photocatalytic activity via simple chemical and heat treatments. <i>Journal of the Ceramic Society of Japan</i> , 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. <i>Journal of Asian Ceramic Societies</i> , 2018, 6, 401-408.	1.0	5
65	Fluorescence of thulium-doped translucent zirconia. <i>Dental Materials Journal</i> , 2018, 37, 1010-1016.	0.8	9
66	Sorption capacity of Cs ⁺ on titania nanotubes synthesized by solution processing. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 801-807.	0.5	10
67	Formation of vertically grown 1D TiO ₂ nanorods on the surface of Al ₂ O ₃ /Ti composites by simple heat treatment and their photocatalytic performance. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 847-851.	0.5	1
68	Temperature stability of PIN-PMN-PT ternary ceramics during pyroelectric power generation. <i>Journal of Alloys and Compounds</i> , 2018, 768, 22-27.	2.8	17
69	Combinative effects of Y ₂ O ₃ and Ti on Al ₂ O ₃ ceramics for optimizing mechanical and electrical properties. <i>Ceramics International</i> , 2018, 44, 18382-18388.	2.3	14
70	Cr-doped TiO ₂ nanotubes with a double-layer model: An effective way to improve the efficiency of dye-sensitized solar cells. <i>Applied Surface Science</i> , 2018, 458, 523-528.	3.1	25
71	Yb ³⁺ , Er ³⁺ and Tm ³⁺ doped $\hat{\text{I}}\text{-Sialon}$ as upconversion phosphor. <i>Journal of Luminescence</i> , 2018, 204, 485-492.	1.5	8
72	Microstructure and mechanical properties of TiN dispersed Si ₃ N ₄ ceramics via in-situ nitridation of coarse metallic Ti. <i>Journal of Silicate Based and Composite Materials</i> , 2018, 70, 195-203.	0.0	5

#	ARTICLE	IF	CITATIONS
73	Relationship between the CO sensing performance of micro-thermoelectric gas sensors and characteristics of PtPd/Co ₃ O ₄ and PtPd/SnO ₂ catalysts. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 847-855.	4.0	8
74	RGO/Ag ₂ S/TiO ₂ ternary heterojunctions with highly enhanced UV-NIR photocatalytic activity and stability. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 593-601.	10.8	108
75	Comparative study on the photocatalytic properties of Ag ₃ PO ₄ fabricated by different methods. <i>Research on Chemical Intermediates</i> , 2017, 43, 5261-5269.	1.3	1
76	Photocatalytic activity under UV/Visible light range of Nb-doped titanate nanostructures synthesized with Nb oxide. <i>Applied Surface Science</i> , 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. <i>Acta Materialia</i> , 2017, 122, 236-251.	3.8	13
78	Room-Temperature H ₂ Gas Sensing Characterization of Graphene-Doped Porous Silicon via a Facile Solution Dropping Method. <i>Sensors</i> , 2017, 17, 2750.	2.1	24
79	Effect of ultraviolet treatment on bacterial attachment and osteogenic activity to alkali-treated titanium with nanonetwork structures. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4633-4646.	3.3	40
80	The Synthesis and Photocatalytic activity of Carbon Nanotube-mixed TiO ₂ Nanotubes. <i>Journal of Korean Powder Metallurgy Institute</i> , 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 Y ₂ Si ₂ O ₇ -mullite eutectic composition. <i>Ceramics International</i> , 2016, 42, 13601-13604.	2.3	7
83	Translucency and low-temperature degradation of silica-doped zirconia: A pilot study. <i>Dental Materials Journal</i> , 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. <i>Materials Science Forum</i> , 2016, 868, 100-104.	0.3	1
85	Thermal conductivity of hot-pressed hexagonal boron nitride. <i>Scripta Materialia</i> , 2016, 124, 138-141.	2.6	36
86	Fabrication of a TiO ₂ -P25/(TiO ₂ -P25+TiO ₂ nanotubes) junction for dye sensitized solar cells. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 375-379.	1.8	10
87	Smart window coating based on F-TiO ₂ -KxWO ₃ nanocomposites with heat shielding, ultraviolet isolating, hydrophilic and photocatalytic performance. <i>Scientific Reports</i> , 2016, 6, 27373.	1.6	44
88	Improvement in fracture strength in electrically conductive AlN ceramics with high thermal conductivity. <i>Ceramics International</i> , 2016, 42, 13183-13189.	2.3	49
89	Effect of microwave-assisted hydrothermal process parameters on formation of different TiO ₂ nanostructures. <i>Catalysis Today</i> , 2016, 266, 46-52.	2.2	26
90	Nanostructured Ti ₆ Al ₄ V alloy fabricated using modified alkali-heat treatment: Characterization and cell adhesion. <i>Materials Science and Engineering C</i> , 2016, 59, 617-623.	3.8	37

#	ARTICLE	IF	CITATIONS
91	Fitting accuracy and fracture resistance of crowns using a hybrid zirconia frame made of both porous and dense zirconia. <i>Dental Materials Journal</i> , 2015, 34, 257-262.	0.8	5
92	Characterization and Bone Differentiation of Nanoporous Structure Fabricated on Ti6Al4V Alloy. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-12.	1.5	4
93	Localization Effect on Pt-Loaded Ce _{0.5} Zr _{0.5} O ₂ Nanoparticles Inserted Into Mesoporous SBA-16 by Hydrothermal Processing. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 7117-7120.	0.9	0
94	Graphene/MxWO ₃ (M=Na, K) nanohybrids with excellent electrical properties. <i>Carbon</i> , 2015, 94, 309-316.	5.4	15
95	Effects of stacking sequence and short-range ordering of solute atoms on elastic properties of Mg _{1-x} Zn _x Y alloys with long-period stacking ordered structures. <i>Acta Materialia</i> , 2015, 96, 170-188.	3.8	42
96	Synthesis of Ti ₂ N ₃ and Their Photocatalytic Activity Under Simulated Solar Light Irradiation. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 577-584.	1.1	8
97	Effect of Porphyromonas gingivalis Lipopolysaccharide on Bone Marrow Mesenchymal Stem Cell Osteogenesis on a Titanium Nanosurface. <i>Journal of Periodontology</i> , 2015, 86, 448-455.	1.7	4
98	Er ³⁺ loaded barium molybdate nanoparticles: IR to visible spectral upconversion. <i>Materials Letters</i> , 2015, 142, 7-10.	1.3	8
99	Cell Differentiation on Nanoscale Features of a Titanium Surface: Effects of Deposition Time in NaOH Solution. <i>Journal of Hard Tissue Biology</i> , 2014, 23, 63-70.	0.2	22
100	Osteogenic activity of titanium surfaces with nanonetwork structures. <i>International Journal of Nanomedicine</i> , 2014, 9, 1741.	3.3	58
101	Effect of Nanosheet Surface Structure of Titanium Alloys on Cell Differentiation. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-11.	1.5	13
102	Understanding the infrared to visible upconversion luminescence properties of Er ³⁺ /Yb ³⁺ co-doped BaMoO ₄ nanocrystals. <i>Journal of Solid State Chemistry</i> , 2014, 216, 36-41.	1.4	34
103	EDTA mediated microwave hydrothermal synthesis of WO ₃ hierarchical structure and its photoactivity under simulated solar light. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1365-1370.	3.3	18
104	Increasing Resistivity of Electrically Conductive Ceramics by Insulating Grain Boundary Phase. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2759-2763.	4.0	16
105	Er ³⁺ /Yb ³⁺ -co-doped bismuth molybdate nanosheets upconversion photocatalyst with enhanced photocatalytic activity. <i>Journal of Solid State Chemistry</i> , 2014, 209, 74-81.	1.4	80
106	Creation and Multifunction of Low-dimensional Nanostructured Titania via Solution Chemical Reaction Field Control. <i>Materia Japan</i> , 2014, 53, 546-549.	0.1	1
107	Electrospray deposition and characterization of Cu ₂ O thin films with ring-shaped 2-D network structure. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 361-366.	0.5	4
108	Shear bond strength of veneering porcelain to porous zirconia. <i>Dental Materials Journal</i> , 2014, 33, 220-225.	0.8	8

#	ARTICLE	IF	CITATIONS
109	Nb and N co-doped TiO ₂ for a high-performance deNO _x photocatalyst under visible LED light irradiation. <i>Research on Chemical Intermediates</i> , 2013, 39, 1509-1515.	1.3	11
110	Synthesis of Sm-doped TiO ₂ nanotubes and analysis of their methylene blue-removal properties under dark and UV-irradiated conditions. <i>Research on Chemical Intermediates</i> , 2013, 39, 1581-1591.	1.3	14
111	Green phosphorescence-assisted degradation of rhodamine B dyes by Ag ₃ PO ₄ . <i>Journal of Materials Chemistry A</i> , 2013, 1, 1123-1126.	5.2	58
112	Synthesis of TiO ₂ -N/Ag-PbMoO ₄ nanocomposites: An effective approach for photoinactivation of green tide under simulated solar light. <i>Materials Letters</i> , 2013, 101, 99-102.	1.3	4
113	Practical microwave-induced hydrothermal synthesis of rectangular prism-like CaTiO ₃ . <i>CrystEngComm</i> , 2013, 15, 2359.	1.3	45
114	Fabrication of epoxy/silicon nitride nanowire composites and evaluation of their thermal conductivity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3440.	5.2	124
115	Roles of Cr ³⁺ doping and oxygen vacancies in SrTiO ₃ photocatalysts with high visible light activity for NO removal. <i>Journal of Catalysis</i> , 2013, 297, 65-69.	3.1	84
116	Microwave assisted hydrothermal synthesis of Ag/AgCl/WO ₃ photocatalyst and its photocatalytic activity under simulated solar light. <i>Journal of Solid State Chemistry</i> , 2013, 197, 560-565.	1.4	77
117	Synthesis of solar light responsive Fe, N co-doped TiO ₂ photocatalyst by sonochemical method. <i>Catalysis Today</i> , 2013, 212, 75-80.	2.2	100
118	Synthesis, characterization and evaluation of the photocatalytic performance of Ag-CdMoO ₄ solar light driven plasmonic photocatalyst. <i>Materials Research Bulletin</i> , 2013, 48, 3367-3373.	2.7	39
119	Novel method for insertion of Pt/CeZrO ₂ nanoparticles into mesoporous SBA-16 using hydrothermal treatment. <i>Applied Catalysis A: General</i> , 2013, 458, 137-144.	2.2	17
120	Synthesis of Er ³⁺ loaded barium molybdate nanoparticles: A new approach for harvesting solar energy. <i>Materials Letters</i> , 2013, 91, 294-297.	1.3	24
121	UV, visible and near-infrared lights induced NO _x destruction activity of (Yb,Er)-NaYF ₄ /C-TiO ₂ composite. <i>Scientific Reports</i> , 2013, 3, 2918.	1.6	71
122	Thermal and mechanical properties of hot pressed translucent Y ₂ O ₃ doped Mg ^{1/2} -SiAlon ceramics. <i>Journal of Alloys and Compounds</i> , 2013, 557, 112-119.	2.8	35
123	Densely Packed Linear Assemblies of Carbon Nanotube Bundles in Polysiloxane-Based Nanocomposite Films. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-10.	1.5	9
124	Dye-sensitized solar cells using purified squid ink nanoparticles coated on TiO ₂ nanotubes/nanoparticles. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 123-127.	0.5	11
125	4th International Symposium on Functional Materials (ISFM2011). <i>Journal of Physics: Conference Series</i> , 2012, 339, 011001.	0.3	0
126	Nanostructures and physicochemical properties of Pt nanoparticle-loaded titania nanotubes synthesized by photoreduction method. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 307-310.	0.5	8

#	ARTICLE	IF	CITATIONS
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 zirconia's tendency to degrade at low temperatures. Dental Materials Journal, 2011, 30, 330-335.	0.8	22
129	Synthesis and Characterization of $Ti_{1-x}Sn_xO_2$ 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 TiO_2 nanotubes. Journal of Solid State Chemistry, 2011, 184, 2695-2700.	1.4	41
131	Influence of the size-controlled TiO_2 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 TiO_2 nanotubes by controlling the starting material crystallite size for chemical synthesis. Journal of Nanoparticle Research, 2011, 13, 2319-2327.	0.8	7
133	Anodic TiO_2 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 SiO_2 -Doped Y_2O_3/ZrO_2 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 $Bi_{1/2}Na_{1/2}TiO_3$ thin film synthesized by sol-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 $Pr_{1-x}Tb_xCoO_3$ and their metal-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 Rapid 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

#	ARTICLE	IF	CITATIONS
145	Preparation of mullite-based iron magnetic nanocomposite powders by reduction of solid solution. <i>Journal of Materials Science</i> , 2009, 44, 2489-2496.	1.7	2
146	Facile one-pot synthesis and characterization of novel nanostructured organic dispersible polyaniline. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1024-1029.	2.4	19
147	Electrochemical synthesis of silica-doped high aspect-ratio titania nanotubes as nanobioceramics for implant applications. <i>Electrochimica Acta</i> , 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. <i>Journal of Crystal Growth</i> , 2009, 311, 651-656.	0.7	10
149	Easy synthesis of a nanostructured hybrid array consisting of gold nanoparticles and carbon nanotubes. <i>Carbon</i> , 2009, 47, 2924-2932.	5.4	11
150	Fabrication of graphene layers from multiwalled carbon nanotubes using high dc pulse. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	36
151	A Novel Method for Synthesis of Titania Nanotube Powders using Rapid Breakdown Anodization. <i>Chemistry of Materials</i> , 2009, 21, 1967-1979.	3.2	95
152	One-step reverse micelle polymerization of organic dispersible polyaniline nanoparticles. <i>Synthetic Metals</i> , 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 RCO_3 (R=Pr, Nd, Tb, Dy). <i>Journal of Alloys and Compounds</i> , 2009, 484, 246-248.	2.8	35
154	Electrical Multifunctionalization of Structure Ceramics by 3-dimensional Nano-network Design and Control. <i>Materia Japan</i> , 2009, 48, 499-507.	0.1	0
155	Preparation of functional metal nanoparticles embedded mullite composite powders by solid solution reduction. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 452-456.	0.5	2
156	Magnetic properties and thermal behavior of mullite-iron nanocomposite powders. <i>Journal of Electroceramics</i> , 2008, 21, 353-356.	0.8	1
157	Fabrication of machinable AlN-BN composites with high thermal conductivity by pressureless sintering turbostatic BN-coated AlN nanocomposite powders. <i>Journal of Materials Research</i> , 2008, 23, 236-244.	1.2	6
158	Synthesis of SiC/BN nanocomposite powders by carbothermal reduction and nitridation of borosilicate glass, and the properties of their sintered composites. <i>Nanotechnology</i> , 2008, 19, 275603.	1.3	10
159	Mechanical properties of Y ₂ O ₃ -stabilized ZrO ₂ polycrystals fabricated by the solid phase mixing and sintering method. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 491-496.	0.5	7
160	One-pot Preparation of Core-Shell Structure Titania/Polyaniline Hybrid Materials: The Effect of Sodium Dodecyl Sulfate Surfactant. <i>Chemistry Letters</i> , 2008, 37, 858-859.	0.7	11
161	Mechanical properties of 2.0-3.5 mol% Y ₂ O ₃ -stabilized zirconia polycrystals fabricated by the solid phase mixing and sintering method. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 1270-1277.	0.5	16
162	Contact damage of machinable aluminum nitride/boron nitride nanocomposites. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 762-766.	0.5	2

#	ARTICLE	IF	CITATIONS
163	Fabrication and Characterization of Aluminum Nitride/Boron Nitride Nanocomposites by Carbothermal Reduction and Nitridation of Aluminum Borate Powders. Journal of Nanoscience and Nanotechnology, 2008, 8, 5846-5853.	0.9	10
164	Residual Stress Measurement of Plasma Sprayed Coating Layers in ZrO ₂ . Materials Science Forum, 2007, 544-545, 451-454.	0.3	0
165	Fabrication and Evaluation of the Novel Elastomer Based Nanocomposite with Pressure Sensing Function. Materials Science Forum, 2007, 544-545, 741-744.	0.3	0
166	Thermal Properties and Microstructure of Zirconia/Monazite-Type LaPO ₄ Composites for Powder Preparation Methods. Materials Science Forum, 2007, 544-545, 909-912.	0.3	7
167	Microstructure and Crystal Phase Development of Y ₂ O ₃ -Stabilized ZrO ₂ Polycrystal Fabricated by the Solid Phase Mixing and Sintering Method. Journal of the Ceramic Society of Japan, 2007, 115, 210-215.	1.3	6
168	Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their electrochemical properties. Carbon, 2007, 45, 1212-1218.	5.4	163
169	Effect Of Al ₂ O ₃ Particle Size on Compressive Behavior of Al Composites. Solid State Phenomena, 2007, 124-126, 1137-1140.	0.3	0
170	Electrophoretic Deposition Zirconia/Alumina of Ceria-stabilized Zirconia/Alumina Powder. Dental Materials Journal, 2007, 26, 623-627.	0.8	6
171	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. Carbon, 2007, 45, 2445-2448.	5.4	38
172	Production of a grain boundary phase as conducting pathway in insulating AlN ceramics. Acta Materialia, 2007, 55, 6170-6175.	3.8	29
173	Contact Damage of Silicon Carbide/Boron Nitride Nanocomposites. Journal of the American Ceramic Society, 2007, 90, 3341-3344.	1.9	11
174	Synthesis of gold/magnetic iron oxide composite nanoparticles for biomedical applications with good dispersibility. Journal of Applied Physics, 2006, 99, 08H101.	1.1	24
175	Photoinduced Charge Separation in Titania Nanotubes. Journal of Physical Chemistry B, 2006, 110, 14055-14059.	1.2	114
176	Fabrication, structure, mechanical and thermal properties of zirconia-based ceramic nanocomposites. Journal of the European Ceramic Society, 2006, 26, 1497-1505.	2.8	65
177	Hydrolyses of calcium phosphates-allografts composite in physiological solutions. Journal of Materials Science: Materials in Medicine, 2006, 17, 379-385.	1.7	11
178	Development of Low Machining Cost Materials by Using Aluminum Borate. Key Engineering Materials, 2006, 317-318, 335-338.	0.4	0
179	Preparation and Electrical Properties of Carbon Nanotubes Dispersed Zirconia Nanocomposites. Key Engineering Materials, 2006, 317-318, 661-664.	0.4	31
180	Fabrication and Magnetic Properties of Mullite Based Nanocomposites with Embedded FeCr Alloy Nanoparticles. Materials Science Forum, 2006, 510-511, 286-289.	0.3	0

#	ARTICLE	IF	CITATIONS
181	Tribological Properties of TiN/DLC Nanocomposite Coatings. Key Engineering Materials, 2006, 317-318, 385-388.	0.4	0
182	From Niihara's Equation to Peculiar Nanoindentation Deformation of Ceramics and Semiconductors. Key Engineering Materials, 2006, 317-318, 293-296.	0.4	0
183	Effect of Oxynitride Grain Boundary Phase on Toughening of Silicon Nitride Ceramics. Key Engineering Materials, 2006, 317-318, 649-652.	0.4	1
184	Fabrication of Yttria Stabilized Tetragonal Zirconia Polycrystals Containing TiNi Intermetallic Compounds. Key Engineering Materials, 2006, 317-318, 673-676.	0.4	0
185	Fabrication of Electronic Conductive Silicon Nitride Ceramics by Convenient Powder Metallurgical Process. Key Engineering Materials, 2006, 317-318, 645-648.	0.4	2
186	Fabrication and Characterization of Zirconia-Based New Ceramic Composites for Thermal Barrier Coatings. Key Engineering Materials, 2006, 317-318, 597-600.	0.4	1
187	Mechanical Properties of Transparent Polycrystalline Silicon Nitride. Key Engineering Materials, 2006, 317-318, 305-308.	0.4	2
188	Preparation and Evaluation of Metal/Ceramic Nanocomposites for High Frequency Inductive Devices. Key Engineering Materials, 2006, 317-318, 869-872.	0.4	0
189	Fabrication and Applications of Nano-Metal Particle Composites by Ultrasonic Eco-Process. Key Engineering Materials, 2006, 317-318, 231-234.	0.4	0
190	Percolation Analysis of Electrical Conductivity and Mechanical Properties for CNT-Dispersed Y-TZP Nanocomposites. Advances in Science and Technology, 2006, 45, 1469-1474.	0.2	0
191	Properties and Microstructure of Mullite-Based Iron Nanocomposite. Key Engineering Materials, 2006, 317-318, 611-614.	0.4	1
192	Synthesis and Properties of Titania Nanotube Doped with Small Amount of Cations. Key Engineering Materials, 2006, 317-318, 251-254.	0.4	20
193	Magnetic Mullite-iron Composite Nanoparticles Prepared by Solid Solution Reduction. Chemistry Letters, 2005, 34, 298-299.	0.7	9
194	Deposition and microstructure of Ti-containing diamond-like carbon nanocomposite films. Thin Solid Films, 2005, 473, 252-258.	0.8	39
195	Microstructure and tribological properties of SiO _x /DLC films grown by PECVD. Surface and Coatings Technology, 2005, 194, 128-135.	2.2	62
196	Mechanical and Magnetic Properties of Novel Yttria-Stabilized Tetragonal Zirconia/Ni Nanocomposite Prepared by the Modified Internal Reduction Method. Journal of the American Ceramic Society, 2005, 88, 1468-1473.	1.9	31
197	Gamma-ray synthesis of magnetic nanocarrier composed of gold and magnetic iron oxide. Journal of Magnetism and Magnetic Materials, 2005, 293, 144-150.	1.0	33
198	The Synthesis of Lead-Free Ferroelectric Bi _{1/2} Na _{1/2} TiO ₃ Thin Film by Solution-Sol-Gel Method. Journal of Sol-Gel Science and Technology, 2005, 33, 307-314.	1.1	35

#	ARTICLE	IF	CITATIONS
199	Mechanical Properties of Al ₂ O ₃ /SiC Nanocomposites for the Femoral Head of Hip Joint Replacement. Materials Science Forum, 2005, 486-487, 197-200.	0.3	4
200	Mechanical and Wear Properties of Silicon Nitride Added with AlN. Materials Science Forum, 2005, 486-487, 209-212.	0.3	2
201	Fabrication of Silicon Nitride Ceramics with Electrical Conductivity. Materials Science Forum, 2005, 486-487, 501-505.	0.3	2
202	Tribological Behaviors of Al ₂ O ₃ /SiC Nanocomposites during Dry Sliding. Materials Science Forum, 2005, 486-487, 213-216.	0.3	2
203	Various Applications of Silver Nano-Particles by Ultrasonic Eco-Fabrication. Materials Science Forum, 2005, 486-487, 530-533.	0.3	1
204	Mechanical and Electrical Properties of Y-TZP Containing TiNi-Base Intermetallic Compounds. Materials Science Forum, 2005, 486-487, 366-369.	0.3	1
205	DNA Separation Using Gold/Magnetic Iron-oxide Composite Nanoparticles. Materials Research Society Symposia Proceedings, 2005, 877, 1.	0.1	3
206	Fabrication of Al ₂ O ₃ /BN Nanocomposites by Chemical Processing and Their Mechanical Properties. Journal of Materials Research, 2005, 20, 183-190.	1.2	35
207	Dye-sensitized TiO ₂ nanotube solar cells: fabrication and electronic characterization. Physical Chemistry Chemical Physics, 2005, 7, 4157.	1.3	275
208	Synthesis of Composite Nanoparticle Material of Gold and Magnetic Iron Oxide by Gamma-Ray Irradiation. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2004, 51, 680-684.	0.1	0
209	High-temperature properties of a silicon nitride/boron nitride nanocomposite. Journal of Materials Research, 2004, 19, 1432-1438.	1.2	11
210	Microstructural, mechanical, and electrical characteristics of alumina-reinforced ytterbia-stabilized cubic zirconia-based composites. Journal of Materials Research, 2004, 19, 1455-1460.	1.2	5
211	¹³⁷ Eu-ray synthesis of composite nanoparticles of noble metals and magnetic iron oxides. Scripta Materialia, 2004, 51, 467-472.	2.6	53
212	The formation of self-organized regular array microstructure derived from structural anisotropy of phase M solid-solution. Journal of Crystal Growth, 2004, 264, 445-451.	0.7	8
213	Fabrication of complex-shaped alumina/nickel nanocomposites by gelcasting process. Journal of the European Ceramic Society, 2004, 24, 3419-3425.	2.8	33
214	Fabrication of MgO based nanocomposites with multifunctionality. Journal of the European Ceramic Society, 2004, 24, 259-264.	2.8	11
215	Fabrication and characteristics of fine-grained BaTiO ₃ ceramics by spark plasma sintering. Ceramics International, 2004, 30, 405-410.	2.3	60
216	Self-organized regular array microstructure of LiNbO ₃ -based crystal composites. Journal of Alloys and Compounds, 2004, 385, 252-256.	2.8	1

#	ARTICLE	IF	CITATIONS
217	Gelcasting process of Al ₂ O ₃ /Ni nanocomposites. <i>Materials Letters</i> , 2004, 58, 17-20.	1.3	9
218	Effects Of Fine Alumina Dispersion On Ionic Conductivity And Mechanical Properties Of Ytterbia Stabilized Cubic Zirconia. <i>Materials Research Innovations</i> , 2004, 8, 115-120.	1.0	1
219	Design And Evaluation of A 3Å—21 Element 1.75 Dimensional Tapered Ultra- Sound Phased Array For The Treatment Of Prostate Disease. <i>Materials Research Innovations</i> , 2004, 8, 121-124.	1.0	2
220	Preparation And Corrosion Studies Of Self-Healing Multi-Layered Nano Coatings Of Silica And Swelling Clay. <i>Materials Research Innovations</i> , 2004, 8, 84-88.	1.0	20
221	Wear properties of alumina/zirconia composite ceramics for joint prostheses measured with an end-face apparatus. <i>Bio-Medical Materials and Engineering</i> , 2004, 14, 263-70.	0.4	4
222	Preparation and characterization of metal/ceramic nanoporous nanocomposite powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 266, 12-19.	1.0	72
223	Thermal stability evaluation of diamond-like nanocomposite coatings. <i>Thin Solid Films</i> , 2003, 434, 49-54.	0.8	74
224	Tribological and microstructural analysis of Al ₂ O ₃ /TiO ₂ nanocomposites to use in the femoral head of hip replacement. <i>Wear</i> , 2003, 255, 1040-1044.	1.5	65
225	Mechanical properties and microstructure for 3 mol% yttria doped zirconia/silicon carbide nanocomposites. <i>Journal of the European Ceramic Society</i> , 2003, 23, 773-780.	2.8	39
226	Solidâ€“Solution Effects of a Small Amount of Nickel Oxide Addition on Phase Stability and Mechanical Properties of Yttriaâ€“Stabilized Tetragonal Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , 2003, 86, 523-525.	1.9	19
227	Synthesis of Bismuth Sodium Titanate Nanosized Powders by Solution/Solâ€“Gel Process. <i>Journal of the American Ceramic Society</i> , 2003, 86, 1464-1467.	1.9	88
228	Tribological evaluation of Siâ€“O containing diamond-like carbon films. <i>Surface and Coatings Technology</i> , 2003, 162, 183-188.	2.2	12
229	Phase stability and electrical property of NiO-doped yttria-stabilized zirconia. <i>Materials Letters</i> , 2003, 57, 1624-1628.	1.3	23
230	Synthesis and structure of preferred-oriented Li ₂ Oâ€“Nb ₂ O ₅ â€“TiO ₂ thin film with superstructure. <i>Materials Letters</i> , 2003, 57, 2702-2706.	1.3	8
231	Measurement of microscopic stress distribution of multilayered composite by X-ray stress analysis. <i>Materials Letters</i> , 2003, 57, 3057-3062.	1.3	15
232	Structural characteristics of diamond-like nanocomposite films grown by PECVD. <i>Materials Letters</i> , 2003, 57, 3305-3310.	1.3	29
233	Fabrication of metastable ZrO ₂ - single nano-sized particles. <i>Materials Letters</i> , 2003, 57, 4023-4027.	1.3	12
234	Microstructure and Mechanical Properties of SiC/Mullite and SiC/ZTM Nanocomposites. <i>Key Engineering Materials</i> , 2003, 247, 305-310.	0.4	3

#	ARTICLE	IF	CITATIONS
235	Preparation of Fine Alumina Dispersed Ytterbia-Stabilized Cubic Zirconia Based Composites. Materials Science Forum, 2003, 439, 85-89.	0.3	0
236	Fabrication of Various Nano Noble Metal Composite Materials by Ecological Sono-Process. Materials Science Forum, 2003, 439, 233-237.	0.3	0
237	Mechanical and Thermal Properties of Hot-Pressed Si ₃ N ₄ with Added AlN. Materials Science Forum, 2003, 439, 119-124.	0.3	0
238	Properties of Hot-Pressed AlN/BN Nanocomposites. Materials Science Forum, 2003, 439, 131-136.	0.3	8
239	Fracture and Tribological Behaviors of Al ₂ O ₃ / 5 vol.% SiC Nanocomposites. Materials Science Forum, 2003, 439, 90-94.	0.3	0
240	Fabrication of Metastable Oxide Ceramics with Oxygen Vacancy. Materials Science Forum, 2003, 439, 254-258.	0.3	0
241	Peculiar surface deformation of sapphire: Numerical simulation of nanoindentation. Applied Physics Letters, 2003, 83, 5214-5216.	1.5	26
242	Silicon Nitride Ceramics with Sodium Ion Conductive Grain Boundary Phase. Journal of Materials Research, 2003, 18, 2752-2755.	1.2	13
243	Pulse electric current sintering of alumina/nickel nanocomposites. Materials Research Innovations, 2003, 7, 57-61.	1.0	13
244	Crack Propagation Behavior of Nano-Sized SiC Dispersed Multilayered Al ₂ O ₃ /3Y-TZP Hybrid Composites.. Journal of the Ceramic Society of Japan, 2003, 111, 4-7.	1.3	5
245	Mechanical and Magnetic Properties of Alumina/Nickel Nanocomposites Prepared by Pulse Electric Current Sintering. Journal of the Ceramic Society of Japan, 2003, 111, 457-460.	1.3	5
246	Machinability and Contact Damage of Al ₂ O ₃ /BN Composites Fabricated through Chemical Processing. Journal of the Ceramic Society of Japan, 2003, 111, 821-825.	1.3	3
247	Microstructure and dielectric properties of sintered Li-Nb-Ti-O solid solution ceramics having superstructure. Materials Research Innovations, 2003, 7, 74-79.	1.0	23
248	Strengthening Mechanism in Alumina Matrix Nanocomposites. Zairyo/Journal of the Society of Materials Science, Japan, 2003, 52, 1374-1378.	0.1	2
249	Microstructural Observations of Cu ₂ O-Added BaTiO ₃ Sintered under N ₂ Flow.. Journal of the Ceramic Society of Japan, 2002, 110, 622-626.	1.3	0
250	Preparation of Cordierite/ZrO ₂ Nano-Composite Powders by a Colloidal Coating Process.. Journal of the Ceramic Society of Japan, 2002, 110, 92-97.	1.3	3
251	Syntheses and Mechanical Properties of Calcium Phosphate–Methacrylate Phosphate Composites. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 2257-2257.	0.8	0
252	Mechanical and Magnetic Properties of Nickel-Dispersed Tetragonal Zirconia Nanocomposites. Journal of Nanoscience and Nanotechnology, 2002, 2, 485-490.	0.9	16

#	ARTICLE	IF	CITATIONS
253	Fabrication of BaTiO ₃ /Cu composite by reducing Cu ₂ O under nitrogen atmosphere. Materials Research Innovations, 2002, 5, 201-207.	1.0	1
254	Pressureless sintering and characterization of cordierite/ZrO ₂ composites. Materials Research Innovations, 2002, 6, 105-111.	1.0	5
255	Microstructure and mechanical properties of SiC/mullite nanocomposite prepared by spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 334, 262-266.	2.6	34
256	Fabrication of YAG/SiC nanocomposites by spark plasma sintering. Journal of the European Ceramic Society, 2002, 22, 785-789.	2.8	48
257	Fabrication and Characterization of Cordierite/Zircon Composites by Reaction Sintering: Formation Mechanism of Zircon. Journal of the American Ceramic Society, 2002, 85, 1430-1434.	1.9	15
258	Preparation and Electric Properties of Dense Nanocrystalline Zinc Oxide Ceramics. Journal of the American Ceramic Society, 2002, 85, 1016-1018.	1.9	87
259	Fabrication and Microstructure of Silicon Nitride/Boron Nitride Nanocomposites. Journal of the American Ceramic Society, 2002, 85, 2678-2688.	1.9	118
260	Machinability of Silicon Nitride/Boron Nitride Nanocomposites. Journal of the American Ceramic Society, 2002, 85, 2689-2695.	1.9	108
261	Phase transformation, microstructure and mechanical properties of Si ₃ N ₄ /SiC composite. Journal of the European Ceramic Society, 2001, 21, 2179-2183.	2.8	33
262	Hydrogen reduction behavior of NiO dispersoid during processing of Al ₂ O ₃ /Ni nanocomposites. Scripta Materialia, 2001, 44, 2121-2125.	2.6	19
263	Characterization and optical properties of CeO ₂ based nanocluster composites. Scripta Materialia, 2001, 44, 1929-1932.	2.6	5
264	Fabrication of Cu dispersed Al ₂ O ₃ nanocomposites using Al ₂ O ₃ /CuO and Al ₂ O ₃ /Cu-nitrate mixtures. Scripta Materialia, 2001, 44, 2117-2120.	2.6	49
265	Effect of $\hat{\alpha}/\hat{\beta}^2$ phase ratio on microstructure and mechanical properties of silicon nitride ceramics. Journal of Materials Research, 2001, 16, 2264-2270.	1.2	41
266	Reduction and Sintering of Alumina/Tungsten Nanocomposites. Powder Processing, Reduction Behavior and Microstructural Characterization.. Journal of the Ceramic Society of Japan, 2000, 108, 541-547.	1.3	8
267	Powder Preparation and Microstructure for Nano-Sized Metallic Iron Dispersed MgO Based Nanocomposites with Ferromagnetic Response.. Journal of the Ceramic Society of Japan, 2000, 108, 781-784.	1.3	6
268	Effect of MgO Doping on the Phase Transformations of BaTiO ₃ . Journal of the American Ceramic Society, 2000, 83, 107-12.	1.9	90
269	Mechanical properties and residual stress in AlN films prepared by ion beam assisted deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1567-1570.	0.9	13
270	Fabrication Process and Mechanical Properties of ZnO Based Nanocomposites by Pulse Electric Current Sintering Method. Key Engineering Materials, 1999, 161-163, 49-52.	0.4	0

#	ARTICLE	IF	CITATIONS
271	The Effect of Microstructure on Fracture Toughness for Silicon Nitride Ceramics. Key Engineering Materials, 1999, 161-163, 195-198.	0.4	1
272	Fabrication of Dense ZrO ₂ -Based Nano/Nano Type Composites by new Powder Preparation Method and Controlled Sintering Process. Key Engineering Materials, 1999, 161-163, 423-426.	0.4	4
273	Fabrication and Mechanical Properties of Al ₂ O ₃ Solid Solution with Low Addition of Cr ₂ O ₃ . Key Engineering Materials, 1999, 161-163, 161-164.	0.4	10
274	Transition Metal Dispersed Oxide Ceramic Nanocomposites with Multiple Functions. Key Engineering Materials, 1999, 161-163, 489-492.	0.4	4
275	Mechanical Properties of Si ₃ N ₄ /BN Composites by Chemical Processing. Key Engineering Materials, 1999, 161-163, 475-480.	0.4	18
276	Non-linear surface deformation of the (101̄,0) plane of sapphire: identification of the linear features around spherical impressions. Acta Materialia, 1999, 47, 4329-4338.	3.8	37
277	Effect of pure-solvents without deflocculants for finer SiC particle dispersed MgO based composite. Journal of Materials Science, 1999, 34, 3789-3793.	1.7	5
278	Effect of grain growth and measurement on fracture toughness of silicon nitride ceramics. Journal of Materials Science, 1999, 34, 5543-5548.	1.7	14
279	Densification and Mechanical Properties of Si ₃ N ₄ /SiC Nanocomposite Using Si-Nitrided Si ₃ N ₄ Powder. Journal of Materials Science Letters, 1999, 18, 505-507.	0.5	1
280	Synthesis and mechanical/magnetic properties of nano-grained iron-oxides prepared with an inert gas condensation and pulse electric current sintering process. Metals and Materials International, 1999, 5, 135-139.	0.2	2
281	Titania Nanotubes Prepared by Chemical Processing. Advanced Materials, 1999, 11, 1307-1311.	11.1	1,492
282	Mechanical properties and residual stress in AlN/Al mixed films prepared by ion-beam-assisted deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 603-607.	0.9	8
283	Synthesis of nanograined ZrO ₂ -based composites by chemical processing and pulse electric current sintering. Materials Letters, 1999, 38, 18-21.	1.3	21
284	PROCESSING AND MECHANICAL PROPERTIES OF Si ₃ N ₄ /SiC NANOCOMPOSITES USING Si NITRIDED Si ₃ N ₄ POWDER. Zairyo/Journal of the Society of Materials Science, Japan, 1999, 48, 84-89.	0.1	0
285	Formation of Titanium Oxide Nanotube. Langmuir, 1998, 14, 3160-3163.	1.6	2,330
286	In-situ fabrication of ceramic/Metal nanocomposites by reduction reaction in barium titanate“Metal oxide systems. Journal of the European Ceramic Society, 1998, 18, 2193-2199.	2.8	35
287	Mechanical properties of Mg-PSZ at cryogenic temperature. Scripta Materialia, 1998, 40, 171-175.	2.6	4
288	Fabrication and mechanical properties of 5 vol% copper dispersed alumina nanocomposite. Journal of the European Ceramic Society, 1998, 18, 31-37.	2.8	121

#	ARTICLE	IF	CITATIONS
289	The effect of TiO ₂ addition on strengthening and toughening in intragranular type of 12Ce-TZP/Al ₂ O ₃ nanocomposites. Journal of the European Ceramic Society, 1998, 18, 209-219.	2.8	70
290	Microstructure and mechanical properties of yttria stabilized zirconia/silicon carbide nanocomposites. Journal of the European Ceramic Society, 1998, 18, 693-699.	2.8	49
291	Tough and strong Ce-TZP/Alumina nanocomposites doped with titania. Ceramics International, 1998, 24, 497-506.	2.3	166
292	Effects of nano-sized silicon carbide particulate on microstructure and ionic conductivity for 8 mol % yttria stabilized zirconia based nanocomposites. Solid State Ionics, 1998, 111, 171-179.	1.3	11
293	Oxidation-induced strengthening and toughening behavior in micro- and nano-composites of Y ₂ O ₃ /SiC system. Materials Letters, 1998, 35, 139-143.	1.3	10
294	In situ observation of discrete glassy SiO ₂ formation and quantitative evaluation of glassy SiO ₂ in MoSi ₂ compacts. Materials Letters, 1998, 37, 143-148.	1.3	7
295	Processing and properties of copper dispersed alumina matrix nanocomposites. Scripta Materialia, 1998, 10, 267-272.	0.5	20
296	Effect of particle size distribution and mixing homogeneity on microstructure and strength of alumina/copper composites. Scripta Materialia, 1998, 10, 327-332.	0.5	31
297	Fabrication and Mechanical Properties of LaNbO ₄ and LaNbO ₄ /Al ₂ O ₃ Composites. Key Engineering Materials, 1998, 161-163, 181-184.	0.4	9
298	Fabrication and Mechanical Properties of Al ₂ O ₃ /LaPO ₄ Composite. Key Engineering Materials, 1998, 161-163, 341-344.	0.4	3
299	The Synthesis of Nano-Sized Metal Dispersed MgO Composites and Its Magnetic Properties. Key Engineering Materials, 1998, 161-163, 493-496.	0.4	0
300	Multi-Functional Ceramic Composites through Nanocomposite Technology. Key Engineering Materials, 1998, 161-163, 527-534.	0.4	14
301	Mechanical Properties of 3Y-ZrO ₂ /Ni Composites Prepared by Reductive Sintering. Key Engineering Materials, 1998, 161-163, 419-422.	0.4	5
302	Fabrication and Mechanical Properties of Si ₃ N ₄ /SiC Nanocomposites under Pressureless Sintering.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1998, 45, 1172-1177.	0.1	4
303	Development of a Tough and Strong Zirconia based Composite through designing a New Concept for Interpenetrated Intragranular Nanostructure.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1998, 45, 3-12.	0.1	1
304	Microstructure of Ceramic Nanocomposites. Materia Japan, 1998, 37, 983-983.	0.1	0
305	Microstructure and Mechanical Properties of Oxide Based Nanocomposites Fabricated by Spark Plasma Sintering. Key Engineering Materials, 1997, 132-136, 2009-2012.	0.4	5
306	Development of Ceramic Based Nanocomposites with High Performance.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1997, 44, 887-896.	0.1	7

#	ARTICLE	IF	CITATIONS
307	Fabrication process and electrical properties of BaTiO ₃ /Ni nanocomposites. Scripta Materialia, 1997, 9, 547-550.	0.5	40
308	Manufacturing Nano-Diphasic Materials from Natural Dolomite: In Situ Observation of Nanophase Formation Behavior. Journal of the American Ceramic Society, 1997, 80, 2949-2955.	1.9	22
309	The effects of oxide additions on the microstructure and R-curve behavior of in-situ reinforced silicon nitride. Scripta Materialia, 1997, 37, 1135-1141.	2.6	1
310	Fabrication and mechanical properties of fine-tungsten-dispersed alumina-based composites. Journal of Materials Science, 1997, 32, 3943-3949.	1.7	85
311	Microstructural characteristics of alumina-based composite prepared by in situ reaction of alumina-silicon carbide-nickel system. Materials Research Innovations, 1997, 1, 10-15.	1.0	0
312	Reduction and Sintering of a Nickel-Dispersed Alumina Composite and Its Properties. Journal of the American Ceramic Society, 1997, 80, 1139-1148.	1.9	250
313	In-situ fabrication of tungsten nanocrystal encapsulated carbon ball in TEM. Materials Letters, 1996, 27, 121-124.	1.3	6
314	Deformation of sapphire induced by a spherical indentation on the (101̄,0) plane. Applied Physics Letters, 1996, 68, 1063-1065.	1.5	53
315	Mechanical and magnetic properties of nickel dispersed alumina-based nanocomposite. Materials Letters, 1996, 29, 165-169.	1.3	68
316	Fabrication and Mechanical Properties of CeO ₂ Stabilized Tetragonal Zirconia Based Nanocomposites Incorporating Al ₂ O ₃ Dispersions.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1996, 43, 415-420.	0.1	4
317	Microstructure and Mechanical Properties of Mo-Si-Al Alloy and Mo-Si-Al/SiC Composite.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1996, 43, 272-277.	0.1	8
318	Microstructural characteristics and mechanical properties for Al ₂ O ₃ /metal nanocomposites. Scripta Materialia, 1995, 6, 663-666.	0.5	101
319	A new type of nanocomposite in tetragonal zirconia polycrystal-molybdenum system. Materials Letters, 1994, 20, 299-304.	1.3	21
320	Mechanical Property and Fracture Behavior of BaTiO ₃ -Based Nanocomposites.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1994, 41, 1175-1180.	0.1	4
321	Microstructure and Mechanical Properties of Al ₂ O ₃ /Mo Nanocomposites.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1992, 39, 1104-1108.	0.1	13
322	Fabrication of Al ₂ O ₃ /W Nanocomposites [Translated]. KONA Powder and Particle Journal, 1992, 10, 192-197.	0.9	3
323	Fabrication of Al ₂ O ₃ /W nanocomposites.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1991, 38, 326-330.	0.1	24
324	High-pressure synthesis of LiTiMF ₆ (M = Mn, Fe, Co, Ni) with trirutile, Na ₂ SiF ₆ , and PbSb ₂ O ₆ structures. Journal of Solid State Chemistry, 1990, 88, 505-512.	1.4	13

#	ARTICLE	IF	CITATIONS
325	Hot-Pressed AlN/BN Composite with Excellent Mechanical and Thermal Properties. Materials Science Forum, 0, 544-545, 761-764.	0.3	3
326	Non-Oxide Ceramic Nanocomposites with Multifunctionality. Key Engineering Materials, 0, 403, 45-48.	0.4	1
327	Fabrication and Microstructure of Electrically Conductive AlN with High Thermal Conductivity. Key Engineering Materials, 0, 484, 57-60.	0.4	1
328	Oxidation of Pentatitanium Trisilicide (Ti_5Si_3) Powder at High Temperature. Materials Science Forum, 0, 868, 38-42.	0.3	3
329	Tribological Behaviors of Dense Gelcasting Nanocomposites. Materials Science Forum, 0, 868, 56-60.	0.3	0
330	Synthesis of TiO_2 -Modified Hydroxyapatite with Various Morphology by Urea-Assisted Hydrothermal Method. Materials Science Forum, 0, 868, 28-32.	0.3	10
331	Anatase Type Titanium Dioxide Prepared by Oxidation of Titanium Carbide. Materials Science Forum, 0, 860, 92-96.	0.3	0
332	Synthesis of Silicon Nitride Ceramic Fibers and the Effect of Nitrogen Atmosphere on their Morphology. Materials Science Forum, 0, 922, 92-97.	0.3	4
333	Solvothermal Synthesis of TiO_2 -Modified Hydroxyapatite Using Water-Isopropanol Solution. Materials Science Forum, 0, 922, 86-91.	0.3	3
334	The Preparation and Characterization of Organic Solvent Dispersible Polyaniline Coated Titania Hybrid Nanocomposites. Materials Science Forum, 0, , 161-164.	0.3	1
335	Thermal and Mechanical Properties of Zirconia/Monazite-Type $LaPO_4$ Nanocomposites Fabricated by PECS. , 0, , 19-26.		0
336	Electrical characterizations of Al_2O_3 /ITO grain boundary composites. Journal of Asian Ceramic Societies, 0, , 1-7.	1.0	0