

Hirotsugu Takizawa

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

2,023
citations

279487

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315357

38
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161
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161
docs citations

161
times ranked

2190
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Kinetics of CO ₂ splitting by microwave irradiation using honeycomb-like pellets of Fe ₃ O ₄ /FeO. <i>Chemical Engineering Journal</i> , 2022, 428, 131087. | 6.6 | 2 |
| 2 | Microwave-assisted titanium nitride coating processing using nitride powders in ambient atmosphere. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164606. | 2.8 | 7 |
| 3 | Room-temperature synthesis of $\hat{1}^3$ -Ga ₂ O ₃ nanoparticles from gallium metal via ultrasound irradiation. <i>Advanced Powder Technology</i> , 2021, 32, 860-865. | 2.0 | 18 |
| 4 | Decrease in the Crystallite Diameter of Solid Crystalline Magnetite around the Curie Temperature by Microwave Magnetic Fields Irradiation. <i>Nanomaterials</i> , 2021, 11, 984. | 1.9 | 2 |
| 5 | Sonochemical effect and pore structure tuning of silica xerogel by ultrasonic irradiation of semi-solid hydrogel. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105476. | 3.8 | 7 |
| 6 | Reduction of metal oxides using thermogravimetry under microwave irradiation. <i>AIP Advances</i> , 2021, 11, . | 0.6 | 3 |
| 7 | Low-temperature hydrogen reduction of iron oxide by controlling the water potential using a CaH ₂ drying agent. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122441. | 1.4 | 3 |
| 8 | Nitridation Reaction of Titanium Powders by 2.45 GHz Multimode Microwave Irradiation using a SiC Susceptor in Atmospheric Conditions. <i>Processes</i> , 2020, 8, 20. | 1.3 | 3 |
| 9 | Vanadium coordination environment in phospho-vanadate glass for improving water durability. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 273-278. | 0.5 | 2 |
| 10 | Controlling oxygen coordination and valence of network forming cations. <i>Scientific Reports</i> , 2020, 10, 7178. | 1.6 | 12 |
| 11 | Fabrication and growth of c-axis textured Nd ₂ Fe ₁₄ B thin films by high-rate sputtering. <i>Journal of Applied Physics</i> , 2020, 127, 103901. | 1.1 | 2 |
| 12 | Microwave Heating Behavior in SiC Fiber-MO ₂ Mixtures (M = Ce, Zr) Selective Heating of Micrometer-Sized Fibers Facilitated by ZrO ₂ Powder. <i>Processes</i> , 2020, 8, 47. | 1.3 | 5 |
| 13 | Microwave Irradiation Process for Al Sc Alloy Production. <i>Scientific Reports</i> , 2020, 10, 2689. | 1.6 | 8 |
| 14 | High-pressure synthesis and crystal structure of a novel intermetallic compound Mn(Al,Ge) ₅ . <i>Journal of Alloys and Compounds</i> , 2019, 806, 58-62. | 2.8 | 4 |
| 15 | Synthesis of high aspect ratio silver nanowire precursor by two-step ultrasonic irradiation and its application to transparent conductive film. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 655-662. | 0.5 | 1 |
| 16 | Enhancement of transient thermal stability and flame retardancy of hydrophobic silica xerogel composites via carbon family material doping. <i>Journal of Asian Ceramic Societies</i> , 2019, 7, 449-459. | 1.0 | 2 |
| 17 | Enhancement of Fixed-bed Flow Reactions under Microwave Irradiation by Local Heating at the Vicinal Contact Points of Catalyst Particles. <i>Scientific Reports</i> , 2019, 9, 222. | 1.6 | 62 |
| 18 | Crystal structure and grain formation mechanism of bismuth indium particles generated by ultrasonic irradiation. <i>Journal of Materials Science</i> , 2019, 54, 10998-11008. | 1.7 | 1 |

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|----|---|-----|-----------|
| 19 | Facile synthesis and thermal properties of waterglass-based silica xerogel nanocomposites containing reduced graphene oxide. <i>Ceramics International</i> , 2019, 45, 4201-4207. | 2.3 | 11 |
| 20 | Formation of particle of bismuth-indium alloys and particle diameter by ultrasonic cavitation. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 322-330. | 3.8 | 11 |
| 21 | Containerless melting and synthesis of eutectic BaTiO ₃ /CoFe ₂ O ₄ by microwave irradiation. <i>Materials Letters</i> , 2018, 216, 42-45. | 1.3 | 5 |
| 22 | Microwave synthesis of carbon-coated Ti ₄ O ₇ nanorods by rapid carbothermal reduction processing. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 125, 27-33. | 1.8 | 15 |
| 23 | Synthesis and photoluminescence properties of a novel Sr ₂ Al ₆ O ₁₁ :Mn ⁴⁺ red phosphor prepared with a B ₂ O ₃ flux. <i>Journal of Luminescence</i> , 2018, 194, 446-451. | 1.5 | 31 |
| 24 | Size Control of Ti ₄ O ₇ Nanoparticles by Carbothermal Reduction Using a Multimode Microwave Furnace. <i>Crystals</i> , 2018, 8, 444. | 1.0 | 6 |
| 25 | Microwave Synthesis of Ti ₄ O ₇ or AlN Nanoparticles by Rapid Carbothermal Reduction Process. <i>Journal of the Japan Petroleum Institute</i> , 2018, 61, 88-97. | 0.4 | 2 |
| 26 | Survey of new materials by solid state synthesis under external fields: high-pressure synthesis and microwave processing of inorganic materials. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 424-433. | 0.5 | 6 |
| 27 | Nanoparticle Fabrication. , 2018, , 219-242. | | 0 |
| 28 | Effect of Aspect Ratio on the Permittivity of Graphite Fiber in Microwave Heating. <i>Materials</i> , 2018, 11, 169. | 1.3 | 4 |
| 29 | Linear magnetic field dependence of the magnetodielectric effect in eutectic BaTiO ₃ -CoFe ₂ O ₄ multiferroic material fabricated by containerless processing. <i>Applied Physics Letters</i> , 2018, 112, . | 1.5 | 10 |
| 30 | In Situ Spectroscopic Analysis of the Carbothermal Reduction Process of Iron Oxides during Microwave Irradiation. <i>Metals</i> , 2018, 8, 49. | 1.0 | 10 |
| 31 | Kinetics of microwave synthesis of AlN by carbothermal-reduction-nitridation at low temperature. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4905-4910. | 1.9 | 5 |
| 32 | Effect of Multimode and Single-Mode Microwave Processing of Anisotropic Grain Growth of CuFeO ₂ . , 2018, , . | | 0 |
| 33 | Synthesis and photoluminescence properties of Mn ⁴⁺ -doped magnetoplumbite-related aluminate X-type Ca ₂ Mg ₂ Al ₂₈ O ₄₆ and W-type CaMg ₂ Al ₁₆ O ₂₇ red phosphors. <i>Ceramics International</i> , 2017, 43, 7147-7152. | 2.3 | 32 |
| 34 | Synthesis and photoluminescence properties of a novel aluminosilicate Sr ₃ Al ₁₀ SiO ₂₀ :Mn ⁴⁺ red phosphor. <i>Journal of Luminescence</i> , 2017, 188, 101-106. | 1.5 | 41 |
| 35 | Effects of Al- and Sn-substitution on photoluminescence properties of Mn ⁴⁺ -doped spinel-type Mg ₂ TiO ₄ phosphor. <i>Journal of Luminescence</i> , 2017, 187, 540-545. | 1.5 | 11 |
| 36 | Scintillation properties of high-pressure-synthesized ZnO ceramics. <i>Radiation Measurements</i> , 2017, 106, 146-150. | 0.7 | 7 |

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|----|--|-----|-----------|
| 37 | In situ analysis of reaction kinetics of reduction promotion of NiMn ₂ O ₄ under microwave H-field irradiation. Physical Chemistry Chemical Physics, 2017, 19, 17904-17908. | 1.3 | 8 |
| 38 | Effect of organic hydrophobic groups on the pore structure and thermal properties of waterglass-based silica xerogels. Journal of the Ceramic Society of Japan, 2017, 125, 906-912. | 0.5 | 4 |
| 39 | Synthesis of Ti ₄ O ₇ Nanoparticles by Carbothermal Reduction Using Microwave Rapid Heating. Catalysts, 2017, 7, 65. | 1.6 | 19 |
| 40 | Synthesis of Lead-Free Solder Particles Using High-Speed Centrifugal Atomization. Materials Transactions, 2017, 58, 1458-1462. | 0.4 | 6 |
| 41 | Control of Magnetic Properties of NiMn ₂ O ₄ by a Microwave Magnetic Field under Air. Materials, 2016, 9, 169. | 1.3 | 10 |
| 42 | Synthesis and optimization of silver nanowire transparent conductive film by organic needle-shaped precursor painting reduction method. , 2016, , . | | 0 |
| 43 | Electrochemical Properties and In-situ XAFS Observation of Li ₂ O-V ₂ O ₅ -P ₂ O ₅ -Fe ₂ O ₃ Quaternary-glass and Crystallized-glass Cathodes. Journal of Non-Crystalline Solids, 2016, 453, 28-35. | 1.5 | 18 |
| 44 | Low-temperature Synthesis of Aluminum Nitride from Transition Alumina by Microwave Processing. Journal of the American Ceramic Society, 2016, 99, 3540-3545. | 1.9 | 13 |
| 45 | Fabrication Study of Nano-metal related Material by Solid-liquid Ultrasonic and Microwave Reaction. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 929-936. | 0.1 | 3 |
| 46 | Oriented texture formation of crystallized Nd ₂ Fe ₁₄ B through a microwave heating process. Journal of Alloys and Compounds, 2016, 685, 566-570. | 2.8 | 5 |
| 47 | Enhanced reduction of copper oxides via internal heating, selective heating, and cleavage of Cu-O bond by microwave magnetic-field irradiation. Materials Chemistry and Physics, 2016, 172, 47-53. | 2.0 | 12 |
| 48 | Facile synthesis of silver nanobeadwire transparent conductive film by organic precursor paint reduction. Crystal Research and Technology, 2015, 50, 319-330. | 0.6 | 6 |
| 49 | Synthesis of homologous compounds Fe ₂ O ₃ (ZnO) (m=6, 8, 34) by various selective microwave heating conditions. Ceramics International, 2015, 41, 14021-14028. | 2.3 | 9 |
| 50 | Synthesis and Photoluminescence Properties of Mn ⁴⁺ -doped BaMg ₆ Ti ₆ O ₁₉ Phosphor. Chemistry Letters, 2014, 43, 1061-1063. | 0.7 | 29 |
| 51 | Structure and magnetic properties of FeAl ₂ O ₄ synthesized by microwave magnetic field irradiation. Journal of Asian Ceramic Societies, 2013, 1, 41-45. | 1.0 | 32 |
| 52 | In-situ kinetic study on non-thermal reduction reaction of CuO during microwave heating. Materials Letters, 2013, 91, 252-254. | 1.3 | 34 |
| 53 | Eco-Fabrication of Metal Nanoparticle Related Materials by Non-Equilibrium Reaction Field. Materials Science Forum, 2013, 761, 87-90. | 0.3 | 1 |
| 54 | Fabrication of (Zn _{1-x} Al _x) ₅ O ₈ by microwave irradiation and thermoelectric characterization. Journal of the Ceramic Society of Japan, 2013, 121, 416-421. | 0.5 | 4 |

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| 55 | Synthesis of aluminium nitride under 2.45 GHz microwave irradiation. International Journal of Nanotechnology, 2013, 10, 63. | 0.1 | 1 |
| 56 | Synthesis of Noble Metal-Doped Cu Nanoparticles by Ultrasonication. Materials Transactions, 2013, 54, 1496-1501. | 0.4 | 4 |
| 57 | Non-Equilibrium Nature of Microwave Inorganic and Materials Chemistry. Journal of the Institute of Electrical Engineers of Japan, 2012, 132, 17-19. | 0.0 | 5 |
| 58 | Effect of H-field or E-field on Sintering and Decrystallization of Titanium Oxides during 2.45 GHz Microwave Heating. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 553-556. | 0.1 | 2 |
| 59 | Synthesis of Palladium Nanoparticles and Palladium/Spherical Carbon Composite Particles in the Solid–Liquid System of Palladium Oxide–Alcohol by Microwave Irradiation. Materials Transactions, 2011, 52, 1048-1052. | 0.4 | 18 |
| 60 | Synthesis of Carbon Nanotube/Silver Nanocomposites by Ultrasonication. Materials Transactions, 2010, 51, 1769-1772. | 0.4 | 20 |
| 61 | Equal Channel Angular Extrusion Technique for Controlling the Texture of n-Type Bi₂Te₃ Based Thermoelectric Materials. Materials Transactions, 2010, 51, 1914-1918. | 0.4 | 15 |
| 62 | Synthesis of Highly Concentrated Ag Nanoparticles in a Heterogeneous Solid-Liquid System under Ultrasonic Irradiation. Materials Transactions, 2010, 51, 1764-1768. | 0.4 | 24 |
| 63 | Synthesis of natural superlattice structure in the binary ZnO–Fe₂O₃ system by microwave irradiation. Journal of the Ceramic Society of Japan, 2010, 118, 387-389. | 0.5 | 7 |
| 64 | Solid-state Synthesis of Sn ₂ TiO ₄ : A New Synthetic Strategy for Direct Synthesis of Sn ²⁺ Compounds Using Microwave Irradiation. Chemistry Letters, 2010, 39, 364-365. | 0.7 | 17 |
| 65 | Fabrication of TiN and TiCN Coatings by Microwave Irradiation. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 753-757. | 0.1 | 1 |
| 66 | Superconducting properties of SmFeAsO _{1-x} prepared under high-pressure condition. Journal of Physics and Chemistry of Solids, 2010, 71, 491-494. | 1.9 | 10 |
| 67 | Formation mechanism of nanostructured Ag films from Ag ₂ O particles using a sonoprocess. Colloid and Polymer Science, 2010, 288, 1061-1069. | 1.0 | 9 |
| 68 | Preparation of barium titanate powders by microwave-assisted liquid phase process at ambient pressure. Journal of the Ceramic Society of Japan, 2009, 117, 388-391. | 0.5 | 5 |
| 69 | MnGa ₂ Sb ₂ , a new ferromagnetic compound synthesized under high pressure. Journal of the Ceramic Society of Japan, 2009, 117, 72-75. | 0.5 | 10 |
| 70 | Microwave Processing of Inorganic Materials. Journal of the Japan Society of Colour Material, 2009, 82, 56-60. | 0.0 | 2 |
| 71 | Preparation of Mesoscopic TiO ₂ –SnO ₂ Composite Grains by Spinodal Decomposition under 28 GHz Microwave Irradiation. Chemistry Letters, 2008, 37, 714-715. | 0.7 | 13 |
| 72 | Microstructural Control of the TiO₂-SnO₂ Binary System and Synthesis of SnO₂ Nanowhiskers by Microwave Irradiation. Materials Transactions, 2008, 49, 879-884. | 0.4 | 5 |

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|----|---|-----|-----------|
| 73 | Preparation of Platinum Nanoparticles in Heterogeneous Solid-Liquid System by Ultrasound and Microwave Irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4482-4487. | 0.9 | 10 |
| 74 | Thermoelectric and Mechanical Properties of Angular Extruded Bi _{0.4} Sb _{1.6} Te ₃ Compounds. <i>Materials Transactions</i> , 2007, 48, 2724-2728. | 0.4 | 24 |
| 75 | Morphology Control of Silver Related Materials by Ultrasonic Irradiation. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 934-937. | 0.5 | 2 |
| 76 | Process Development and Application of Noble Metal Nanoparticle Related Materials by Total Eco-design. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007, 54, 186-193. | 0.1 | 2 |
| 77 | Preparation of Highly Active Co/SiO ₂ Fischer-Tropsch Synthesis Catalyst with Chelating Agents: Effect of Chelating Agents on Structure of Co Species during Preparation Steps. <i>Journal of the Japan Petroleum Institute</i> , 2007, 50, 262-271. | 0.4 | 13 |
| 78 | Application of 28 GHz Microwave Irradiation to Oxidation of Ilmenite Ore for New Rutile Extraction Process. <i>ISIJ International</i> , 2007, 47, 1416-1421. | 0.6 | 20 |
| 79 | High-pressure synthesis of a new copper thioborate, CuBS ₂ . <i>Materials Letters</i> , 2007, 61, 2382-2384. | 1.3 | 8 |
| 80 | Effects of 28 GHz/2.45 GHz Microwave Irradiation on the Crystallization of Blast Furnace Slag. <i>ISIJ International</i> , 2007, 47, 592-595. | 0.6 | 18 |
| 81 | High Pressure Synthesis and Thermoelectric Properties of CoSb ₃ -based Filled Skutterudites. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Cijutsu</i> , 2006, 16, 322-328. | 0.1 | 4 |
| 82 | αfYãf³æ³ã«ã,ã,é†ã±žã®ãŠç†±ã¨ãžœ. <i>Materia Japan</i> , 2006, 45, 577-580. | 0.1 | 4 |
| 83 | Fabrication and Applications of Nano-Metal Particle Composites by Ultrasonic Eco-Process. <i>Key Engineering Materials</i> , 2006, 317-318, 231-234. | 0.4 | 0 |
| 84 | Electrical Properties and Microstructures of Sol-Gel-Deposited Lead Zirconate Titanate Thin Films Crystallized by 28 GHz Microwave Irradiation. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 6914-6917. | 0.8 | 2 |
| 85 | High Pressure Synthesis and Crystal Chemistry of Metalloid-Rich Intermetallic Compounds. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Cijutsu</i> , 2005, 15, 303-309. | 0.1 | 0 |
| 86 | Transport properties of germanium-filled CoSb ₃ . <i>Applied Physics Letters</i> , 2004, 84, 5210-5212. | 1.5 | 65 |
| 87 | Preparation of TiO ₂ nanocrystalline electrode for dye-sensitized solar cells by 28GHz microwave irradiation. <i>Solar Energy Materials and Solar Cells</i> , 2004, 81, 135-139. | 3.0 | 64 |
| 88 | Flexible dye-sensitized solar cells by 28GHz microwave irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 164, 93-96. | 2.0 | 146 |
| 89 | Synthesis, crystal structure refinement, electrical and magnetic properties of BaV ₁₃ O ₁₈ and SrV ₁₃ O ₁₈ . <i>Materials Research Bulletin</i> , 2003, 38, 141-148. | 2.7 | 15 |
| 90 | High-pressure synthesis of a new calcium thioborate, CaB ₂ S ₄ . <i>Materials Research Bulletin</i> , 2003, 38, 33-39. | 2.7 | 11 |

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|-----|--|-----|-----------|
| 91 | Synthesis, Crystal Structure and Electrical Properties of Ba ₂ Nb _{5-x} VxO ₉ (x < 1.9).. ChemInform, 2003, 34, no. | 0.1 | 0 |
| 92 | Polarized Raman-scattering study of Ge and Sn-filled CoSb ₃ . Journal of Applied Physics, 2003, 94, 7440. | 1.1 | 58 |
| 93 | Synthesis of Gd _{1-x} Eu _x Al ₃ (BO ₃) ₄ (0 ≤ x ≤ 1) and Its Photoluminescence Properties under UV and Vacuum Ultraviolet Regions [Journal of The Electrochemical Society, 148, G430 (2001)]. Journal of the Electrochemical Society, 2002, 149, L3. | 1.3 | 2 |
| 94 | Crystal structure and Luminescence Properties of Sr ₂ Al ₆ O ₁₁ :Eu ²⁺ .. Funtai Oyobi Fummmatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 1128-1133. | 0.1 | 15 |
| 95 | Synthesis of a New Ferromagnetic Intermetallic Compound, Mn ₃ Ge, with the L1 ₂ -Type Structure.. Funtai Oyobi Fummmatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 47-51. | 0.1 | 0 |
| 96 | Synthesis and crystal structure of Na ₄ Sn ₃ O ₈ . Journal of Materials Chemistry, 2002, 12, 1068-1070. | 6.7 | 8 |
| 97 | Synthesis, crystal structure and electrical properties of Ba ₂ Nb _{5-x} VxO ₉ (x < 1.9). Journal of Alloys and Compounds, 2002, 339, 268-274. | 2.8 | 2 |
| 98 | Microwave synthesis of Fe-doped $\hat{\Gamma}$ -rhombohedral boron. Materials Research Bulletin, 2002, 37, 113-121. | 2.7 | 29 |
| 99 | High-Pressure Synthesis and Crystal Structure of B ₂ S ₃ . Journal of Solid State Chemistry, 2002, 166, 164-170. | 1.4 | 22 |
| 100 | Synthesis of Gd _{1-x} Eu _x Al ₃ (BO ₃) ₄ (0 ≤ x ≤ 1) and Its Photoluminescence Properties under UV and Vacuum Ultraviolet Regions. Journal of the Electrochemical Society, 2001, 148, G430. | 1.3 | 55 |
| 101 | High Pressure Synthesis of New Filled Skutterudites. Materials Research Society Symposia Proceedings, 2001, 691, 1. | 0.1 | 8 |
| 102 | Influence of Lattice Size and Symmetric Property of ANbO ₃ (Perovskite Type) Block on the Formation of AnNbn+3mO3n+3m[(ANbO ₃)n(NbO)3m] (A=Ba, Sr).. Journal of the Ceramic Society of Japan, 2001, 109, 1023-1027. | 1.3 | 1 |
| 103 | GdBO ₃ :Eu Phosphor Particles with Uniform Size, Plate Morphology, and Non-Aggregation. Chemistry Letters, 2001, 30, 206-207. | 0.7 | 19 |
| 104 | Synthesis and Electrical Property of Novel Compound, KxCax/2Sn _{8-x} /2O ₁₆ (x.LEQ.2) with Hollandite Structure.. Funtai Oyobi Fummmatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2001, 48, 251-253. | 0.1 | 0 |
| 105 | Crystal Structure of BaV ₁₃ O ₁₈ . Journal of Solid State Chemistry, 2001, 158, 61-67. | 1.4 | 15 |
| 106 | Microwave Synthesis of Yttrium Aluminum Iron Garnet Powder. Journal of Materials Synthesis and Processing, 2001, 9, 57-61. | 0.3 | 6 |
| 107 | Synthesis and Thermoelectric Properties of Tin-Filled Skutterudite, Sn _x Co ₄ Sb ₁₂ .. Journal of the Ceramic Society of Japan, 2000, 108, 530-534. | 1.3 | 16 |
| 108 | Optical Properties of Stannic Oxide Obtained by 28GHz Microwave Irradiation.. Funtai Oyobi Fummmatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 999-1003. | 0.1 | 3 |

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|-----|--|-----|-----------|
| 109 | Effect of Tin-atom Insertion on Thermoelectric Properties of $\text{Sn}_x\text{Co}_4\text{Sb}_{12}$ Skutterudite.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 1170-1174. | 0.1 | 0 |
| 110 | NiGe_2 : a new intermetallic compound synthesized under high-pressure. Journal of Alloys and Compounds, 2000, 305, 306-310. | 2.8 | 22 |
| 111 | Synthesis and electrical properties of $\text{Ba}_2\text{Nb}_5\text{Zr}_x\text{O}_9$. Journal of Alloys and Compounds, 2000, 308, 109-114. | 2.8 | 4 |
| 112 | A new high-pressure polymorph of NiSb_2 . Intermetallics, 2000, 8, 1399-1403. | 1.8 | 15 |
| 113 | Rapid Formation and Growth of Bixbyite-Type $(\text{In}_{0.67}\text{Fe}_{0.33})_2\text{O}_3$ by 28 GHz Microwave Irradiation. Journal of the American Ceramic Society, 2000, 83, 2321-2323. | 1.9 | 27 |
| 114 | Production of phosphor ($\text{YAG}:\text{Tb}$) fine particles by hydrothermal synthesis in supercritical water. Journal of Materials Chemistry, 1999, 9, 2671-2674. | 6.7 | 146 |
| 115 | Atom insertion into the CoSb_3 skutterudite host lattice under high pressure. Journal of Alloys and Compounds, 1999, 282, 79-83. | 2.8 | 100 |
| 116 | Cation ordering in the perovskite-type $\text{Sr}_2\text{La}_x\text{Co}_{1-y}\text{Ta}_1+\text{yO}_6$. Journal of Alloys and Compounds, 1999, 285, 64-68. | 2.8 | 2 |
| 117 | Distortion and cation ordering in $\text{LaSr}(\text{Ni}_{1-x}\text{Cu}_x)\text{TaO}_6$. Journal of Alloys and Compounds, 1999, 285, 69-72. | 2.8 | 2 |
| 118 | A new ferromagnetic polymorph of CrSb_2 synthesized under high pressure. Journal of Alloys and Compounds, 1999, 287, 145-149. | 2.8 | 30 |
| 119 | Preparation and Luminescent Properties of MO_2 ($\text{M}=\text{Zr}, \text{Hf}$) with Baddeleyite Structure.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 175-179. | 0.1 | 5 |
| 120 | High-Pressure Synthesis and the Structure Refinement of CoSb_3 -Based Filled-Skutterudites.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 1113-1117. | 0.1 | 0 |
| 121 | Synthesis of Metal Nitride by Microwave Irradiation.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 378-382. | 0.1 | 11 |
| 122 | Cation Ordering in the Oxygen Deficient Perovskite $\text{Sr}_2\text{La}_x\text{Mg}_{1-y}\text{Ta}_1+\text{yO}_z$.. Journal of the Ceramic Society of Japan, 1999, 107, 209-214. | 1.3 | 4 |
| 123 | Synthesis and Lattice Distortion of the Perovskite-Type Oxides $\text{Sr}_2(\text{Sr}_{1-x}\text{M}_x)\text{TaO}_z$ ($\text{M}=\text{Ca}, \text{Nd}$).. Journal of the Ceramic Society of Japan, 1999, 107, 633-638. | 1.3 | 2 |
| 124 | Synthesis and crystal structure of the oxygen defect perovskites containing copper and tantalum. Solid State Ionics, 1998, 108, 337-341. | 1.3 | 4 |
| 125 | Luminescence properties of rare earth ions in polytantalate. Journal of Alloys and Compounds, 1998, 275-277, 746-749. | 2.8 | 8 |
| 126 | Microwave synthesis of LaCrO_3 . Journal of Materials Chemistry, 1998, 8, 2765-2768. | 6.7 | 24 |

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|-----|---|-----|-----------|
| 127 | Synthesis of Aluminium Nitride using Urea-Precursor.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1998, 45, 31-35. | 0.1 | 0 |
| 128 | Microwave Synthesis of Yttrium Iron Garnet Powder. Journal of the American Ceramic Society, 1998, 81, 2961-2964. | 1.9 | 44 |
| 129 | Microstructure and the Anisotropic Thermoelectric Properties of .BETA.-FeSi ₂ Sintered under High-Pressure.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1997, 44, 39-43. | 0.1 | 0 |
| 130 | Synthesis and long-period phosphorescence of ZnGa ₂ O ₄ :Mn ²⁺ spinel. Journal of Alloys and Compounds, 1997, 262-263, 60-64. | 2.8 | 56 |
| 131 | Energy migration in EuTa ₇ O ₁₉ , TbTa ₇ O ₁₉ and La _{0.86} Tm _{0.14} Ta ₇ O ₁₉ . Journal of Alloys and Compounds, 1996, 241, 16-21. | 2.8 | 15 |
| 132 | Synthesis and crystal structure of Sr ₂ ^x LaxCuTaO _y . Journal of Alloys and Compounds, 1996, 243, 36-38. | 2.8 | 6 |
| 133 | Fabrication of Porous SiC Ceramics Using Glass Beads.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1996, 43, 1461-1465. | 0.1 | 0 |
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