Hirotsugu Takizawa

List of Publications by Year
in descending order

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155	2,023	279487	315357
papers	citations	23 h-index	38 g-index

161	161	161	2190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Production of phosphor (YAGâˆ¶Tb) fine particles by hydrothermal synthesis in supercritical water. Journal of Materials Chemistry, 1999, 9, 2671-2674.	6.7	146
2	Flexible dye-sensitized solar cells by 28GHz microwave irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 164, 93-96.	2.0	146
3	Atom insertion into the CoSb3 skutterudite host lattice under high pressure. Journal of Alloys and Compounds, 1999, 282, 79-83.	2.8	100
4	Transport properties of germanium-filled CoSb3. Applied Physics Letters, 2004, 84, 5210-5212.	1.5	65
5	Preparation of TiO2 nanocrystalline electrode for dye-sensitized solar cells by 28GHz microwave irradiation. Solar Energy Materials and Solar Cells, 2004, 81, 135-139.	3.0	64
6	Enhancement of Fixed-bed Flow Reactions under Microwave Irradiation by Local Heating at the Vicinal Contact Points of Catalyst Particles. Scientific Reports, 2019, 9, 222.	1.6	62
7	Polarized Raman-scattering study of Ge and Sn-filled CoSb[sub 3]. Journal of Applied Physics, 2003, 94, 7440.	1.1	58
8	Synthesis and long-period phosphorescence of ZnGa2O4:Mn2+ spinel. Journal of Alloys and Compounds, 1997, 262-263, 60-64.	2.8	56
9	Synthesis of Gd[sub 1â^'x]Eu[sub x]Al[sub 3](BO[sub 3])[sub 4]â€‰(0<xâ‰1) and Its Photoluminescence Properties under UV and Vacuum Ultraviolet Regions. Journal of the Electrochemical Society, 2001, 148, G430.	1.3	55
10	Microwave Synthesis of Yttrium Iron Garnet Powder. Journal of the American Ceramic Society, 1998, 81, 2961-2964.	1.9	44
11	Synthesis and photoluminescence properties of a novel aluminosilicate Sr 3 Al 10 SiO 20 :Mn 4+ red phosphor. Journal of Luminescence, 2017, 188, 101-106.	1.5	41
12	In-situ kinetic study on non-thermal reduction reaction of CuO during microwave heating. Materials Letters, 2013, 91, 252-254.	1.3	34
13	Structure and magnetic properties of FeAl₂O₄ synthesized by microwave magnetic field irradiation. Journal of Asian Ceramic Societies, 2013, 1, 41-45.	1.0	32
14	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. Ceramics International, 2017, 43, 7147-7152.	2.3	32
15	Synthesis and photoluminescence properties of a novel Sr2Al6O11:Mn4+ red phosphor prepared with a B2O3 flux. Journal of Luminescence, 2018, 194, 446-451.	1.5	31
16	A new ferromagnetic polymorph of CrSb2 synthesized under high pressure. Journal of Alloys and Compounds, 1999, 287, 145-149.	2.8	30
17	Effects of Divalent Cation Substitution on Sinterability and Electrical Properties of LaCrO3 Ceramics. Journal of Solid State Chemistry, 1994, 113, 138-144.	1.4	29
18	Microwave synthesis of Fe-doped Î²-rhombohedral boron. Materials Research Bulletin, 2002, 37, 113-121.	2.7	29

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19	Synthesis and Photoluminescence Properties of Mn4+-doped BaMg6Ti6O19 Phosphor. Chemistry Letters, 2014, 43, 1061-1063.	0.7	29
20	Rapid Formation and Growth of Bixbyiteâ€Type (In_{0.67}Fe_{0.33})₂O₃ by 28 GHz Microwave Irradiation. Journal of the American Ceramic Society, 2000, 83, 2321-2323.	1.9	27
21	Microwave synthesis of LaCrO3. Journal of Materials Chemistry, 1998, 8, 2765-2768.	6.7	24
22	Thermoelectric and Mechanical Properties of Angular Extruded Bi_{0.4}Sb_{1.6}Te₃ Compounds. Materials Transactions, 2007, 48, 2724-2728.	0.4	24
23	Synthesis of Highly Concentrated Ag Nanoparticles in a Heterogeneous Solid-Liquid System under Ultrasonic Irradiation. Materials Transactions, 2010, 51, 1764-1768.	0.4	24
24	NiGe2: a new intermetallic compound synthesized under high-pressure. Journal of Alloys and Compounds, 2000, 305, 306-310.	2.8	22
25	High-Pressure Synthesis and Crystal Structure of B2S3. Journal of Solid State Chemistry, 2002, 166, 164-170.	1.4	22
26	Application of 28 GHz Microwave Irradiation to Oxidation of Ilmenite Ore for New Rutile Extraction Process. ISIJ International, 2007, 47, 1416-1421.	0.6	20
27	Synthesis of Carbon Nanotube/Silver Nanocomposites by Ultrasonication. Materials Transactions, 2010, 51, 1769-1772.	0.4	20
28	GdBO3:Eu Phosphor Particles with Uniform Size, Plate Morphology, and Non-Aggregation. Chemistry Letters, 2001, 30, 206-207.	0.7	19
29	Synthesis of Ti4O7 Nanoparticles by Carbothermal Reduction Using Microwave Rapid Heating. Catalysts, 2017, 7, 65.	1.6	19
30	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
31	Electrochemical Properties and In-situ XAFS Observation of Li2O-V2O5-P2O5-Fe2O3 Quaternary-glass and Crystallized-glass Cathodes. Journal of Non-Crystalline Solids, 2016, 453, 28-35.	1.5	18
32	Room-temperature synthesis of Î³-Ga2O3 nanoparticles from gallium metal via ultrasound irradiation. Advanced Powder Technology, 2021, 32, 860-865.	2.0	18
33	Effects of 28 GHz/2.45 GHz Microwave Irradiation on the Crystallization of Blast Furnace Slag. ISIJ International, 2007, 47, 592-595.	0.6	18
34	Solid-state Synthesis of Sn2TiO4: A New Synthetic Strategy for Direct Synthesis of Sn2+ Compounds Using Microwave Irradiation. Chemistry Letters, 2010, 39, 364-365.	0.7	17
35	Luminescence of Eu3+ in La1â^'xEuxTa7O19 (0<xâ©½1) solid solution. Journal of Alloys and Compounds, 1995, 217, 44-47.	2.8	16
36	Synthesis and Thermoelectric Properties of Tin-Filled Skutterudite, SnxCo4Sb12.. Journal of the Ceramic Society of Japan, 2000, 108, 530-534.	1.3	16

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37	Energy migration in EuTa7O19, TbTa7O19 and La0.86 Tm0.14 Ta7O19. Journal of Alloys and Compounds, 1996, 241, 16-21.	2.8	15
38	A new high-pressure polymorph of NiSb2. Intermetallics, 2000, 8, 1399-1403.	1.8	15
39	Crystal Structure of BaV13O18. Journal of Solid State Chemistry, 2001, 158, 61-67.	1.4	15
40	Crystal structure and Luminescence Properties of Sr2Al6O11:Eu2+.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 1128-1133.	0.1	15
41	Synthesis, crystal structure refinement, electrical and magnetic properties of BaV13O18 and SrV13O18. Materials Research Bulletin, 2003, 38, 141-148.	2.7	15
42	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
43	Microwave synthesis of carbon-coated Ti4O7 nanorods by rapid carbothermal reduction processing. Chemical Engineering and Processing: Process Intensification, 2018, 125, 27-33.	1.8	15
44	Preparation of Highly Active Co/SiO‹sub›2‹/sub› Fischer-Tropsch Synthesis Catalyst with Chelating Agents: Effect of Chelating Agents on Structure of Co Species during Preparation Steps. Journal of the Japan Petroleum Institute, 2007, 50, 262-271.	0.4	13
45	Preparation of Mesoscopic TiO2â€“SnO2 Composite Grains by Spinodal Decomposition under 28 GHz Microwave Irradiation. Chemistry Letters, 2008, 37, 714-715.	0.7	13
46	Lowâ€Temperature Synthesis of Aluminum Nitride from Transition Alumina by Microwave Processing. Journal of the American Ceramic Society, 2016, 99, 3540-3545.	1.9	13
47	Enhanced reduction of copper oxides via internal heating, selective heating, and cleavage of Cuâ€“O bond by microwave magnetic-field irradiation. Materials Chemistry and Physics, 2016, 172, 47-53.	2.0	12
48	Controlling oxygen coordination and valence of network forming cations. Scientific Reports, 2020, 10, 7178.	1.6	12
49	Synthesis of Metal Nitride by Microwave Irradiation.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 378-382.	0.1	11
50	High-pressure synthesis of a new calcium thioborate, CaB2S4. Materials Research Bulletin, 2003, 38, 33-39.	2.7	11
51	Effects of Al- and Sn-substitution on photoluminescence properties of Mn 4+ -doped spinel-type Mg 2 TiO 4 phosphor. Journal of Luminescence, 2017, 187, 540-545.	1.5	11
52	Facile synthesis and thermal properties of waterglass-based silica xerogel nanocomposites containing reduced graphene oxide. Ceramics International, 2019, 45, 4201-4207.	2.3	11
53	Formation of particle of bismuthâ€“indium alloys and particle diameter by ultrasonic cavitation. Ultrasonics Sonochemistry, 2019, 50, 322-330.	3.8	11
54	Luminescence properties of La1â^'Ï‡TmÏ‡Ta7O19. Journal of Alloys and Compounds, 1994, 210, 103-108.	2.8	10

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55	Preparation of Platinum Nanoparticles in Heterogeneous Solid-Liquid System by Ultrasound and Microwave Irradiation. Journal of Nanoscience and Nanotechnology, 2008, 8, 4482-4487.	0.9	10
56	MnGa2Sb2, a new ferromagnetic compound synthesized under high pressure. Journal of the Ceramic Society of Japan, 2009, 117, 72-75.	0.5	10
57	Superconducting properties of SmFeAsO1â^'x prepared under high-pressure condition. Journal of Physics and Chemistry of Solids, 2010, 71, 491-494.	1.9	10
58	Control of Magnetic Properties of NiMn2O4 by a Microwave Magnetic Field under Air. Materials, 2016, 9, 169.	1.3	10
59	Linear magnetic field dependence of the magnetodielectric effect in eutectic BaTiO3-CoFe2O4 multiferroic material fabricated by containerless processing. Applied Physics Letters, 2018, 112, .	1.5	10
60	In Situ Spectroscopic Analysis of the Carbothermal Reduction Process of Iron Oxides during Microwave Irradiation. Metals, 2018, 8, 49.	1.0	10
61	Stress-Induced Phase Transformation in the Systems (Ho1-xLax)4Al2O9 and (Y1-xLax)4Al2O9. Journal of the American Ceramic Society, 1994, 77, 2489-2490.	1.9	9
62	Formation mechanism of nanostructured Ag films from Ag2O particles using a sonoprocess. Colloid and Polymer Science, 2010, 288, 1061-1069.	1.0	9
63	Synthesis of homologous compounds Fe2O3(ZnO) (m=6, 8, 34) by various selective microwave heating conditions. Ceramics International, 2015, 41, 14021-14028.	2.3	9
64	Synthesis and Luminescence Properties of La1â€‰â^'â€‰x Tb x Ta7â€‰Oâ€‰19â€‰â€‰â€‰â€‰â€‰(â€‰0â€‰<â€‰xâ€‰â€‰¦â Society, 1995, 142, 4269-4272.	1.3	8
65	Luminescence properties of rare earth ions in polytantalate. Journal of Alloys and Compounds, 1998, 275-277, 746-749.	2.8	8
66	High Pressure Synthesis of New Filled Skutterudites. Materials Research Society Symposia Proceedings, 2001, 691, 1.	0.1	8
67	Synthesis and crystal structure of Na4Sn3O8. Journal of Materials Chemistry, 2002, 12, 1068-1070.	6.7	8
68	High-pressure synthesis of a new copper thioborate, CuBS2. Materials Letters, 2007, 61, 2382-2384.	1.3	8
69	In situ analysis of reaction kinetics of reduction promotion of NiMn₂O₄under microwave H-field irradiation. Physical Chemistry Chemical Physics, 2017, 19, 17904-17908.	1.3	8
70	Microwave Irradiation Process for Alâ€“Sc Alloy Production. Scientific Reports, 2020, 10, 2689.	1.6	8
71	Ba0.5Sr0.5CuOz: a new perovskite related structure which forms at high pressure. Physica C: Superconductivity and Its Applications, 1992, 193, 471-475.	0.6	7
72	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

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73	Scintillation properties of high-pressure-synthesized ZnO ceramics. Radiation Measurements, 2017, 106, 146-150.	0.7	7
74	Sonochemical effect and pore structure tuning of silica xerogel by ultrasonic irradiation of semi-solid hydrogel. Ultrasonics Sonochemistry, 2021, 73, 105476.	3.8	7
75	Microwave-assisted titanium nitride coating processing using nitride powders in ambient atmosphere. Journal of Alloys and Compounds, 2022, 908, 164606.	2.8	7
76	Synthesis and crystal structure of Sr2â^'xLaxCuTaOy. Journal of Alloys and Compounds, 1996, 243, 36-38.	2.8	6
77	Microwave Synthesis of Yttrium Aluminum Iron Garnet Powder. Journal of Materials Synthesis and Processing, 2001, 9, 57-61.	0.3	6
78	Facile synthesis of silverâ€nanobeadwire transparent conductive film by organicâ€precursor paint reduction. Crystal Research and Technology, 2015, 50, 319-330.	0.6	6
79	Synthesis of Lead-Free Solder Particles Using High-Speed Centrifugal Atomization. Materials Transactions, 2017, 58, 1458-1462.	0.4	6
80	Size Control of Ti4O7 Nanoparticles by Carbothermal Reduction Using a Multimode Microwave Furnace. Crystals, 2018, 8, 444.	1.0	6
81	Survey of new materials by solid state synthesis under external fields: high-pressure synthesis and microwave processing of inorganic materials. Journal of the Ceramic Society of Japan, 2018, 126, 424-433.	0.5	6
82	Preparation and Luminescent Properties of MO2 (M=Zr, Hf) with Baddeleyite Structure.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 175-179.	0.1	5
83	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
84	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
85	Oriented texture formation of crystallized Nd2Fe14B through a microwave heating process. Journal of Alloys and Compounds, 2016, 685, 566-570.	2.8	5
86	Containerless melting and synthesis of eutectic BaTiO 3 /CoFe 2 O 4 by microwave irradiation. Materials Letters, 2018, 216, 42-45.	1.3	5
87	Kinetics of microwave synthesis of AlN by carbothermalâ€reductionâ€nitridation at low temperature. Journal of the American Ceramic Society, 2018, 101, 4905-4910.	1.9	5
88	Microwave Heating Behavior in SiC Fiber-MO2 Mixtures (M = Ce, Zr)â€"Selective Heating of Micrometer-Sized Fibers Facilitated by ZrO2 Powder. Processes, 2020, 8, 47.	1.3	5
89	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
90	Synthesis and crystal structure of the oxygen defect perovskites containing copper and tantalum. Solid State Ionics, 1998, 108, 337-341.	1.3	4

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91	Cation Ordering in the Oxygen Deficient Perovskite Sr2-xLaxMg1-yTa1+yOz.. Journal of the Ceramic Society of Japan, 1999, 107, 209-214.	1.3	4
92	Synthesis and electrical properties of Ba2Nb5â^'xZrxO9. Journal of Alloys and Compounds, 2000, 308, 109-114.	2.8	4
93	High Pressure Synthesis and Thermoelectric Properties of CoSb3-based Filled Skutterudites. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2006, 16, 322-328.	0.1	4
94	ãƒŸãƒªæ³¢ã«ã‚ˆã‚‹é‡‘å±žãƒ®åŠç†±ã•åå¿œ. Materia Japan, 2006, 45, 577-580.	0.1	4
95	Fabrication of (Zn_{1â^'}<i>_x</i>Al<i>_x</i>O)₅ by microwave irradiation and thermoelectric characterization. Journal of the Ceramic Society of Japan, 2013, 121, 416-421.	0.5	4
96	Synthesis of Noble Metal-Doped Cu Nanoparticles by Ultrasonication. Materials Transactions, 2013, 54, 1496-1501.	0.4	4
97	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
98	Effect of Aspect Ratio on the Permittivity of Graphite Fiber in Microwave Heating. Materials, 2018, 11, 169.	1.3	4
99	High-pressure synthesis and crystal structure of a novel intermetallic compound Mn(Al,Ge)5. Journal of Alloys and Compounds, 2019, 806, 58-62.	2.8	4
100	Optical Properties of Stannic Oxide Obtained by 28GHz Microwave Irradiation.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 999-1003.	0.1	3
101	Synthesis and Microstructural Control of In₂O₃(ZnO)₃ Layered Compound by Microwave-Heating. Materials Science Forum, 0, 620-622, 85-88.	0.3	3
102	Photoluminescence Properties of the Magnetoplumbite-Type BaMg₆Ti₆O₁₉:Mn⁴⁺ and Spinel-Type Mg₂TiO₄:Mn⁴⁺. Materials Science Forum, 0, 868, 73-78.	0.3	3
103	Fabrication Study of Nano-metal related Material by Solid-liquid Ultrasonic and Microwave Reaction. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 929-936.	0.1	3
104	Nitridation Reaction of Titanium Powders by 2.45 GHz Multimode Microwave Irradiation using a SiC Susceptor in Atmospheric Conditions. Processes, 2020, 8, 20.	1.3	3
105	Reduction of metal oxides using thermogravimetry under microwave irradiation. AIP Advances, 2021, 11, .	0.6	3
106	Low-temperature hydrogen reduction of iron oxide by controlling the water potential using a CaH2 drying agent. Journal of Solid State Chemistry, 2021, 302, 122441.	1.4	3
107	Cation ordering in the perovskite-type Sr2â^'xLaxCo1â^'yTa1+yO6. Journal of Alloys and Compounds, 1999, 285, 64-68.	2.8	2
108	Distortion and cation ordering in LaSr(Ni1â^'xCux)TaO6. Journal of Alloys and Compounds, 1999, 285, 69-72.	2.8	2

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109	Synthesis and Lattice Distortion of the Perovskite-Type Oxides Sr2(Sr1-xMx)TaOz(M=Ca, Nd).. Journal of the Ceramic Society of Japan, 1999, 107, 633-638.	1.3	2
110	Synthesis of Gd[sub 1â^'x]Eu[sub x]Al[sub 3] (BO[sub 3])[sub 4] (0â‰¤xâ‰¤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
111	Synthesis, crystal structure and electrical properties of Ba2Nb5â^'xVxO9 (x<1.9). Journal of Alloys and Compounds, 2002, 339, 268-274.	2.8	2
112	Electrical Properties and Microstructures of Sol-Gel-Deposited Lead Zirconate Titanate Thin Films Crystallized by 28 GHz Microwave Irradiation. Japanese Journal of Applied Physics, 2005, 44, 6914-6917.	0.8	2
113	Morphology Control of Silver Related Materials by Ultrasonic Irradiation. Journal of the Ceramic Society of Japan, 2007, 115, 934-937.	0.5	2
114	Process Development and Application of Noble Metal Nanoparticle Related Materials by Total Eco-design. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2007, 54, 186-193.	0.1	2
115	Protective Agent Free Eco-Synthesis of Silver Nanowire via Needle-Shaped Silver Acetate Precursor. Materials Science Forum, 0, 804, 115-118.	0.3	2
116	Microwave Synthesis of Ti₄O₇ or AlN Nanoparticles by Rapid Carbothermal Reduction Process. Journal of the Japan Petroleum Institute, 2018, 61, 88-97.	0.4	2
117	Enhancement of transient thermal stability and flame retardancy of hydrophobic silica xerogel composites via carbon family material doping. Journal of Asian Ceramic Societies, 2019, 7, 449-459.	1.0	2
118	Vanadium coordination environment in phospho-vanadate glass for improving water durability. Journal of the Ceramic Society of Japan, 2020, 128, 273-278.	0.5	2
119	Fabrication and growth of c-axis textured Nd2Fe14B thin films by high-rate sputtering. Journal of Applied Physics, 2020, 127, 103901.	1.1	2
120	Decrease in the Crystallite Diameter of Solid Crystalline Magnetite around the Curie Temperature by Microwave Magnetic Fields Irradiation. Nanomaterials, 2021, 11, 984.	1.9	2
121	Kinetics of CO2 splitting by microwave irradiation using honeycomb-like pellets of Fe3O4/FeO. Chemical Engineering Journal, 2022, 428, 131087.	6.6	2
122	Effect of H-field or E-field on Sintering and Decrystallization of Titanium Oxides during 2.45 GHz Microwave Heating. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 553-556.	0.1	2
123	Microwave Processing of Inorganic Materials. Journal of the Japan Society of Colour Material, 2009, 82, 56-60.	0.0	2
124	Crystal Structures and Physical Properties of Transition Metal Germanides.. Journal of the Society of Materials Engineering for Resources of Japan, 1991, 4, 64-74.	0.2	2
125	Synthesis and Electrical Properties of LaCr1-xMxO3(Mu=Cu,Mg,Zn).. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 670-672.	0.1	1
126	Multiphase composites of tetragonal zirconia agglomerate dispersed into alumina and alumina-zirconia matrices. Journal of Materials Science, 1994, 29, 2395-2400.	1.7	1

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127	Synthesis and electrical properties of (La1â^'xMx)3Ni2TaO9 (M = Ca, Sr). Materials Letters, 1994, 21, 101-104.	1.3	1
128	Influence of Lattice Size and Symmetric Property of ANbO3 (Perovskite Type) Block on the Formation of AnNbn+3mO3n+3m[(ANbO3)n(NbO)3m] (A=Ba, Sr).. Journal of the Ceramic Society of Japan, 2001, 109, 1023-1027.	1.3	1
129	Eco-Fabrication of Metal Nanoparticle Related Materials by Home Electric Appliances. Materials Science Forum, 0, 620-622, 185-188.	0.3	1
130	Fabrication of TiN and TiCN Coatings by Microwave Irradiation. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 753-757.	0.1	1
131	Fabrication and Thermoelectric Properties of Al-Doped (ZnO)₅In₂O₃ by Microwave Heating. Materials Science Forum, 0, 761, 27-31.	0.3	1
132	Eco-Fabrication of Metal Nanoparticle Related Materials by Non-Equilibrium Reaction Field. Materials Science Forum, 2013, 761, 87-90.	0.3	1
133	Synthesis of aluminium nitride under 2.45 GHz microwave irradiation. International Journal of Nanotechnology, 2013, 10, 63.	0.1	1
134	Synthesis and Characterization of Ag/Graphene Nanocomposites by Solid-Liquid Sonochemical Reactions. Materials Science Forum, 0, 804, 119-122.	0.3	1
135	Synthesis and Photoluminescence Properties of SrLaAlO₄: Ti Green-Emitting Phosphor. Materials Science Forum, 0, 868, 1-5.	0.3	1
136	Synthesis of high aspect ratio silver nanowire precursor by two-step ultrasonic irradiation and its application to transparent conductive film. Journal of the Ceramic Society of Japan, 2019, 127, 655-662.	0.5	1
137	Crystal structure and grain formation mechanism of bismuthâ€“indium particles generated by ultrasonic irradiation. Journal of Materials Science, 2019, 54, 10998-11008.	1.7	1
138	Soft Chemical Processing of Metyl-Nitroanilinium Dihydrogenmonophosphate Complex.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1993, 40, 1002-1006.	0.1	0
139	Luminescence of Tm3+-doped YTa7O19.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 630-634.	0.1	0
140	Upconversion Fluorescence of Tellurite Glasses Doped with Rare Earths.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1995, 42, 61-66.	0.1	0
141	Fabrication of Porous SiC Ceramics Using Glass Beads.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1996, 43, 1461-1465.	0.1	0
142	Microstructure and the Anisotropic Thermoelectric Properties of .BETA.-FeSi2 Sintered under High-Pressure.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1997, 44, 39-43.	0.1	0
143	Synthesis of Aluminium Nitride using Urea-Precursor.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1998, 45, 31-35.	0.1	0
144	High-Pressure Synthesis and the Structure Refinement of CoSb3-Based Filled-Skutterudites.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 1113-1117.	0.1	0

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145	Effect of Tin-atom Insertion on Thermoelectric Properties of SnxCo4Sb12 Skutterudite.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 1170-1174.	0.1	0
146	Synthesis and Electrical Property of Novel Compound, KxCax/2Sn8-x/2O16(x.LEQ.2) with Hollandite Structure.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2001, 48, 251-253.	0.1	0
147	Synthesis of a New Ferromagnetic Intermetallic Compound, Mn3Ge, with the L12-Type Structure.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2002, 49, 47-51.	0.1	0
148	Synthesis, Crystal Structure and Electrical Properties of Ba2Nb5-xVxO9 (x < 1.9).. ChemInform, 2003, 34, no.	0.1	0
149	Fabrication and Applications of Nano-Metal Particle Composites by Ultrasonic Eco-Process. Key Engineering Materials, 2006, 317-318, 231-234.	0.4	0
150	Synthesis and optimization of silver nanowire transparent conductive film by organic needle-shaped precursor painting reduction method. , 2016, , .		0
151	Nanoparticle Fabrication. , 2018, , 219-242.		0
152	High Pressure Synthesis and Crystal Chemistry of Metalloid-Rich Intermetallic Compounds. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2005, 15, 303-309.	0.1	0
153	Effect of Multimode and Single-Mode Microwave Processing of Anisotropic Grain Growth of CuFeO2. , 2018, , .		0
154	IN-SITU SPECTROSCOPY AND TWO-COLOR THERMOGRAPHY DURING MICROWAVE IRRADIATION IN MATERIALS PROCESSING. , 0, , .		0
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