

# Takamasa Ishigaki

## List of Publications by Citations

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

145 papers	4,789 citations	34 h-index	67 g-index
158 ext. papers	5,050 ext. citations	3 avg, IF	5.34 L-index

#	Paper	IF	Citations
145	Anatase, Brookite, and Rutile Nanocrystals via Redox Reactions under Mild Hydrothermal Conditions: Phase-Selective Synthesis and Physicochemical Properties. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4969-4976	3.8	331
144	Wavelength-sensitive photocatalytic degradation of methyl orange in aqueous suspension over iron(III)-doped TiO <sub>2</sub> nanopowders under UV and visible light irradiation. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 6804-9	3.4	318
143	Diffusion of oxide ion vacancies in perovskite-type oxides. <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 73, 179-187	3.3	280
142	Monodispersed Colloidal Spheres for Uniform Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Red-Phosphor Particles and Greatly Enhanced Luminescence by Simultaneous Gd <sup>3+</sup> Doping. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 11707-11716	3.8	270
141	Pyrogenic iron(III)-doped TiO <sub>2</sub> nanopowders synthesized in RF thermal plasma: phase formation, defect structure, band gap, and magnetic properties. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 10982-90	16.4	238
140	Effect of hydrogen doping on ultraviolet emission spectra of various types of ZnO. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 2869-2871	3.4	167
139	Uniform Colloidal Spheres for (Y <sub>1-x</sub> Gd <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> (x = 0.1): Formation Mechanism, Compositional Impacts, and Physicochemical Properties of the Oxides. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2274-2281	9.6	142
138	Charge separation at the rutile/anatase interface: a dominant factor of photocatalytic activity. <i>Chemical Physics Letters</i> , <b>2004</b> , 390, 399-402	2.5	123
137	Phase structure and luminescence properties of Eu <sup>3+</sup> -doped TiO <sub>2</sub> nanocrystals synthesized by Ar/O <sub>2</sub> radio frequency thermal plasma oxidation of liquid precursor mists. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1121-7	3.4	122
136	Ultrasonic Dispersion of TiO <sub>2</sub> Nanoparticles in Aqueous Suspension. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2481-2487	3.8	121
135	Thermodynamic analysis of nucleation of anatase and rutile from TiO <sub>2</sub> melt. <i>Journal of Crystal Growth</i> , <b>2002</b> , 242, 511-516	1.6	116
134	Passivation of active recombination centers in ZnO by hydrogen doping. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6386-6392	2.5	103
133	Brookite -> rutile phase transformation of TiO <sub>2</sub> studied with monodispersed particles. <i>Acta Materialia</i> , <b>2004</b> , 52, 5143-5150	8.4	99
132	Enhancement and patterning of ultraviolet emission in ZnO with an electron beam. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 134103	3.4	95
131	Monodispersed Spherical Particles of Brookite-Type TiO <sub>2</sub> : Synthesis, Characterization, and Photocatalytic Property. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1358-1361	3.8	91
130	Preparation of pure rutile and anatase TiO <sub>2</sub> nanopowders using RF thermal plasma. <i>Thin Solid Films</i> , <b>2004</b> , 457, 186-191	2.2	87
129	Cobalt-Doped TiO <sub>2</sub> Nanocrystallites: Radio-Frequency Thermal Plasma Processing, Phase Structure, and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8009-8015	3.8	76

128	Tracer diffusion coefficient of oxide ions in LaCoO <sub>3</sub> single crystal. <i>Journal of Solid State Chemistry</i> , <b>1984</b> , 54, 100-107	3.3	73
127	Defect-mediated photoluminescence dynamics of Eu <sup>3+</sup> -doped TiO <sub>2</sub> nanocrystals revealed at the single-particle or single-aggregate level. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5348-52	16.4	72
126	Controlling the synthesis of TaC nanopowders by injecting liquid precursor into RF induction plasma. <i>Science and Technology of Advanced Materials</i> , <b>2005</b> , 6, 111-118	7.1	71
125	Control of particle size and phase formation of TiO <sub>2</sub> nanoparticles synthesized in RF induction plasma. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 2348-2353	3	66
124	Effect of additives on photocatalytic activity of titanium dioxide powders synthesized by thermal plasma. <i>Thin Solid Films</i> , <b>2003</b> , 435, 252-258	2.2	64
123	Controlled One-Step Synthesis of Nanocrystalline Anatase and Rutile TiO <sub>2</sub> Powders by In-Flight Thermal Plasma Oxidation. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15536-15542	3.4	63
122	Diffusion of oxide ions in LaFeO <sub>3</sub> single crystal. <i>Journal of Solid State Chemistry</i> , <b>1984</b> , 55, 50-53	3.3	56
121	Generation of pulse-modulated induction thermal plasma at atmospheric pressure. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 3787-3789	3.4	53
120	Controlled synthesis of alumina nanoparticles using inductively coupled thermal plasma with enhanced quenching. <i>Thin Solid Films</i> , <b>2007</b> , 515, 4251-4257	2.2	50
119	Oxygen Diffusion in Single- and Poly-Crystalline Zinc Oxides <b>1999</b> , 4, 41-48		50
118	TiO <sub>2</sub> nanopowders via radio-frequency thermal plasma oxidation of organic liquid precursors: Synthesis and characterization. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 423-428	6	44
117	Synthesis of Crystalline Micron Spheres of Titanium Dioxide by Thermal Plasma Oxidation of Titanium Carbide. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 1577-1584	9.6	42
116	Oxidation-Resistant Silica Coating on Gas-Phase-Reduced Iron Nanoparticles and Influence on Magnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16681-16685	3.8	40
115	Phase formation in molybdenum disilicide powders during in-flight induction plasma treatment. <i>Journal of Materials Research</i> , <b>1997</b> , 12, 1315-1326	2.5	36
114	Spheroidization of Titanium Carbide Powders by Induction Thermal Plasma Processing. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 1929-1936	3.8	36
113	Lowered stimulated emission threshold of zinc oxide by hydrogen doping with pulsed argon/hydrogen plasma. <i>Journal of Crystal Growth</i> , <b>2007</b> , 306, 316-320	1.6	35
112	Cubic C <sub>3</sub> N <sub>4</sub> particles prepared in an induction thermal plasma. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3671-3673	3.4	35
111	Nanocrystalline TiO <sub>2</sub> powders synthesized by in-flight oxidation of TiN in thermal plasma: Mechanisms of phase selection and particle morphology evolution. <i>Journal of Materials Research</i> , <b>2005</b> , 20, 529-537	2.5	34

110	Influence of Solid Fraction on the Optimum Molecular Weight of Polymer Dispersants in Aqueous TiO <sub>2</sub> Nanoparticle Suspensions. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 3401-3406	3.8	33
109	Reactive 10 mol% RE <sub>2</sub> O <sub>3</sub> (RE = Gd and Sm) doped CeO <sub>2</sub> nanopowders: Synthesis, characterization, and low-temperature sintering into dense ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2005</b> , 121, 54-59	3.1	33
108	Synthesis and structural characterization of titanium oxides and composites by thermal plasma oxidation of titanium carbide. <i>Thin Solid Films</i> , <b>2002</b> , 407, 79-85	2.2	30
107	Polarity-dependent photoemission spectra of wurtzite-type zinc oxide. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 051902	3.4	29
106	Calculated C <sub>4</sub> MoSi <sub>2</sub> and B <sub>4</sub> Mo <sub>5</sub> Si <sub>3</sub> pseudo-binary phase diagrams for the use in advanced materials processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2000</b> , 278, 46-53	5.3	28
105	Spherical submicron-size copper powders coagulated from a vapor phase in RF induction thermal plasma. <i>Thin Solid Films</i> , <b>2008</b> , 516, 4402-4406	2.2	27
104	Tuning the size of aluminum oxide nanoparticles synthesized by laser ablation in water using physical and chemical approaches. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 392, 172-182	9.3	25
103	Effect of liquid level and laser power on the formation of spherical alumina nanoparticles by nanosecond laser ablation of alumina target. <i>Thin Solid Films</i> , <b>2012</b> , 523, 46-51	2.2	25
102	Thermal plasma treatment of titanium carbide powders: Part II. In-flight formation of carbon-site vacancies and subsequent nitridation in titanium carbide powders during induction plasma treatment. <i>Journal of Materials Research</i> , <b>1996</b> , 11, 2811-2824	2.5	25
101	Potential use of only YbO in producing dense SiN ceramics with high thermal conductivity by gas pressure sintering. <i>Science and Technology of Advanced Materials</i> , <b>2010</b> , 11, 065001	7.1	24
100	Synthesis of functional nanocrystallites through reactive thermal plasma processing. <i>Science and Technology of Advanced Materials</i> , <b>2007</b> , 8, 617-623	7.1	24
99	Numerical Modeling of an Ar/H <sub>2</sub> Radio-Frequency Plasma Reactor under Thermal and Chemical Nonequilibrium Conditions. <i>Plasma Chemistry and Plasma Processing</i> , <b>2007</b> , 27, 189-204	3.6	24
98	Phase formation and luminescence properties in Eu <sup>3+</sup> -doped TiO <sub>2</sub> nanoparticles prepared by thermal plasma pyrolysis of aqueous solutions. <i>Thin Solid Films</i> , <b>2008</b> , 516, 6640-6644	2.2	24
97	Controlled generation of pulse-modulated RF plasmas for materials processing. <i>Plasma Sources Science and Technology</i> , <b>2005</b> , 14, 387-396	3.5	24
96	Urea coordinated titanium trichloride Ti(III)[OC(NH) <sub>2</sub> ] <sub>6</sub> Cl <sub>3</sub> : a single molecular precursor yielding highly visible light responsive TiO <sub>2</sub> nanocrystallites. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 14611-8	3.4	24
95	Effect of Postdeposition Annealing on Luminescence from Zinc Oxide Patterns Prepared by the Electroless Deposition Process. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, H169	3.9	24
94	Incongruent vaporization of titanium carbide in thermal plasma. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2003</b> , 345, 301-308	5.3	23
93	Surface and step reconstructions on {100} and {111} planes of diamonds prepared by combustion-flame deposition. <i>Journal of Applied Physics</i> , <b>1992</b> , 71, 4920-4924	2.5	23

92	Chlorinated Nanocrystalline TiO <sub>2</sub> Powders via One-Step Ar/O <sub>2</sub> Radio Frequency Thermal Plasma Oxidizing Mists of TiCl <sub>3</sub> Solution: Phase Structure and Photocatalytic Performance. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18018-18024	3.8	22
91	Core-shell micron-scale composites of titanium oxide and carbide formed through controlled thermal-plasma oxidation. <i>Chemical Physics Letters</i> , <b>2003</b> , 367, 561-565	2.5	22
90	Phase Formation and Microstructure of Titanium Oxides and Composites Produced by Thermal Plasma Oxidation of Titanium Carbide. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 1456-1463	3.8	21
89	Integrated Fabrication Processes for Solid-Oxide Fuel Cells Using Thermal Plasma Spray Technology. <i>MRS Bulletin</i> , <b>2000</b> , 25, 38-42	3.2	21
88	Pressureless sintering of TiC-Al <sub>2</sub> O <sub>3</sub> composites. <i>Journal of Materials Science Letters</i> , <b>1989</b> , 8, 678-680		21
87	Characterization of the behavior of chemically reactive species in a nonequilibrium inductively coupled argon-hydrogen thermal plasma under pulse-modulated operation. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 103303	2.5	19
86	Surface modification of titanium oxide in pulse-modulated induction thermal plasma. <i>Thin Solid Films</i> , <b>2001</b> , 390, 20-25	2.2	19
85	Critical free energy for nucleation from the congruent melt of MoSi <sub>2</sub> . <i>Journal of Crystal Growth</i> , <b>1997</b> , 171, 166-173	1.6	18
84	Single-Crystal Growth of Perovskite-Type La <sub>1-x</sub> Sr <sub>x</sub> MO <sub>3</sub> (M=Fe, Co) Solid Solutions. <i>Japanese Journal of Applied Physics</i> , <b>1984</b> , 23, 1172-1175	1.4	18
83	RF plasma processing of Er-doped TiO <sub>2</sub> luminescent nanoparticles. <i>Thin Solid Films</i> , <b>2006</b> , 506-507, 292-296		17
82	Strain-induced charge separation in the photocatalytic single crystalline anatase TiO <sub>2</sub> film. <i>Chemical Physics Letters</i> , <b>2005</b> , 407, 209-212	2.5	17
81	High-concentration niobium (V) doping into TiO <sub>2</sub> nanoparticles synthesized by thermal plasma processing. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 658-671	2.5	14
80	In-flight Carburization of Molybdenum Disilicide Powders by an Induction Plasma. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 281-288	3.8	14
79	Synthesis of ceramic nanoparticles with non-equilibrium crystal structures and chemical compositions by controlled thermal plasma processing. <i>Journal of the Ceramic Society of Japan</i> , <b>2008</b> , 116, 462-470	1	13
78	Densification below 1000°C and grain growth behaviors of yttria doped ceria ceramics. <i>Solid State Ionics</i> , <b>2008</b> , 179, 951-954	3.3	13
77	Mo <sub>5</sub> Si <sub>3</sub> -Boron Composites Fabricated by Induction Plasma Deposition and Their High-Temperature Oxidation Resistance. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 1965-1968	3.8	13
76	Heat and mass transfer during in-flight nitridation of molybdenum disilicide powder in an induction plasma reactor. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 300, 226-234	5.3	13
75	Influence of Plasma Modification of Glassy Carbon Powder on Its Electrochemical properties. <i>Chemistry Letters</i> , <b>1998</b> , 27, 715-716	1.7	13

74	Thermal plasma treatment of titanium carbide powders: Part I. Numerical analysis of powder behavior in argon-hydrogen and argon-nitrogen radio frequency plasmas. <i>Journal of Materials Research</i> , <b>1996</b> , 11, 2598-2610	2.5	13
73	Evaluation of the surface structure of diamond films prepared in a combustion flame by surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , <b>1992</b> , 60, 959-961	3.4	13
72	Synthesis of Functional Oxide Nanoparticles Through RF Thermal Plasma Processing. <i>Plasma Chemistry and Plasma Processing</i> , <b>2017</b> , 37, 783-804	3.6	12
71	Synthesis of functional TiO <sub>2</sub> -based nanoparticles in radio frequency induction thermal plasma. <i>Pure and Applied Chemistry</i> , <b>2008</b> , 80, 1971-1979	2.1	12
70	One-step Ar/O <sub>2</sub> thermal plasma processing of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> red phosphors: Phase structure, photoluminescent properties, and the effects of Sc <sup>3+</sup> codoping. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 196, 58-62	3.3	11
69	Iron nanoparticles dispersible in both ethanol and water for direct silica coating. <i>Powder Technology</i> , <b>2009</b> , 196, 80-84	5.2	11
68	Energy Transfer Enables 1.53 $\mu$ m Photoluminescence from Erbium-Doped TiO <sub>2</sub> Semiconductor Nanocrystals Synthesized by Ar/O <sub>2</sub> Radio-Frequency Thermal Plasma. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2032-2035	3.8	11
67	Enhanced visible-light photocatalytic activity of anatase-rutile mixed-phase nano-size powder given by high-temperature heat treatment. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 191539	3.3	10
66	Photocatalytic activities of europium (III) and niobium (V) co-doped TiO <sub>2</sub> nanopowders synthesized in Ar/O <sub>2</sub> radio-frequency thermal plasmas. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 606, 37-43	5.7	10
65	Mo <sub>5</sub> Si <sub>3</sub> -B and MoSi <sub>2</sub> deposits fabricated by radio frequency induction plasma spraying. <i>Journal of Thermal Spray Technology</i> , <b>2001</b> , 10, 611-617	2.5	10
64	Tracer diffusion coefficient of oxide ions in LaCoO <sub>3</sub> . <i>Solid State Ionics</i> , <b>1983</b> , 9-10, 997-1000	3.3	10
63	Nanocrystalline Scandia Powders Via Oxalate Precipitation: The Effects of Solvent and Solution pH. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 603-606	3.8	9
62	Improved UV emission of zinc oxide through hydrogen doping in pulse-modulated high-power ICP. <i>Thin Solid Films</i> , <b>2006</b> , 506-507, 303-306	2.2	9
61	Growth mechanism for carbon nanotubes in a plasma evaporation process. <i>Thin Solid Films</i> , <b>2006</b> , 506-507, 263-267	2.2	9
60	In-Flight Nitridation of Molybdenum Disilicide Powders by an Induction Plasma. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2517-2526	3.8	9
59	Low-temperature synthesis of redispersible iron oxide nanoparticles under atmospheric pressure and ultradense reagent concentration. <i>Powder Technology</i> , <b>2008</b> , 181, 45-50	5.2	8
58	Synthesis and Structural Characterization of Core-Shell Si-SiC Composite Particles by Thermal Plasma In-Flight Carburization of Silicon Powder. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 717-723	1.7	8
57	Compositional modification of boron carbide induced by induction plasma treatment. <i>Thin Solid Films</i> , <b>1999</b> , 345, 156-160	2.2	8



56	Reaction and Formation of Crystalline Silicon Oxynitride in SiO <sub>2</sub> /N Systems under Solid High Pressure. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 875-877	3.8	7
55	Pulse-Modulated RF Thermal Plasma for Advanced Materials Processing. <i>Journal of Intelligent Material Systems and Structures</i> , <b>1999</b> , 10, 565-568	2.3	7
54	NANO POWDER SYNTHESIS BY PLASMAReport of the Session held at the International Round Table on Thermal Plasma Fundamentals and ApplicationsHeld in Sharm el Sheikh Egypt - Jan. 14-18 2007. <i>High Temperature Material Processes</i> , <b>2008</b> , 12, 205-254	1.8	6
53	Crystalline polarity of ZnO thin films deposited under dc external bias on various substrates. <i>Journal of Crystal Growth</i> , <b>2017</b> , 463, 38-45	1.6	5
52	Influence of Hydrogen Peroxide Addition on Photoluminescence of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Nanophosphors Prepared by Laser Ablation in Water. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1083-1090	3.8	5
51	Influence of niobium doping on phase composition and defect-mediated photoluminescence properties of Eu <sup>3+</sup> -doped TiO <sub>2</sub> nanopowders synthesized in Ar/O <sub>2</sub> thermal plasma. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 8944-8951	5.7	5
50	Highly dispersed behavior of thermal plasma-synthesized TiO <sub>2</sub> nanoparticles in water. <i>Journal of the Ceramic Society of Japan</i> , <b>2011</b> , 119, 303-306	1	5
49	Parametric Study on Nitridation and Carburization of MoSi <sub>2</sub> Powders in an Induction Plasma. <i>Plasma Chemistry and Plasma Processing</i> , <b>1998</b> , 18, 487-507	3.6	5
48	Crystallized TiO <sub>2</sub> film growth on unheated substrates by pulse-powered magnetron sputtering. <i>Thin Solid Films</i> , <b>2006</b> , 515, 627-630	2.2	5
47	Synthesis of Anatase-Type TiO <sub>2</sub> Nanocrystallites Via a Redox Route. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 3232-3234	3.8	5
46	Spontaneous growth of whiskers from an interlayer of Mo <sub>2</sub> C beneath a diamond particle deposited in a combustion-flame. <i>Journal of Crystal Growth</i> , <b>1992</b> , 116, 307-313	1.6	5
45	Electronic Transport Properties Governed by Polarity Control through Tailoring of ZnO Bilayer Structures. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5824-5831	3.5	5
44	Fabrication of porous (Ba,Sr)(Co,Fe)O <sub>3-<math>\lambda</math></sub> (BSCF) ceramics using gelatinization and retrogradation phenomena of starch as pore-forming agent. <i>Ceramics International</i> , <b>2020</b> , 46, 13047-13053	5.1	4
43	Planarization of Zinc Oxide Surface and Evaluation of Processing Damage. <i>Key Engineering Materials</i> , <b>2011</b> , 485, 215-218	0.4	4
42	Fine-grained AlN ceramics from nanopowder by spark plasma sintering. <i>Journal of the Ceramic Society of Japan</i> , <b>2010</b> , 118, 1050-1052	1	4
41	Defect-Mediated Photoluminescence Dynamics of Eu <sup>3+</sup> -Doped TiO <sub>2</sub> Nanocrystals Revealed at the Single-Particle or Single-Aggregate Level. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5428-5432	3.6	4
40	Porous Carbon Powders Prepared from Spherical Phenolic Resin Powder by Thermal Plasma Carbonization and Their Electrochemical Properties.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , <b>2002</b> , 2002, 27-35		4
39	. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , <b>2006</b> , 57, 18-24	0.1	4

- 38 Synthesis of Nano-size Particles through Reactive Thermal Plasma Processing. *Journal of the Society of Powder Technology, Japan*, **2008**, 45, 220-228 0.3 3
- 37 Influence of active surface on electrochemical properties of mesocarbon microbeads powders. *Journal of Power Sources*, **2004**, 133, 260-262 8.9 3
- 36 Diffusion Profile Measurement Using SIMS in La<sub>0.9</sub>Sr<sub>0.1</sub>FeO<sub>3</sub> and La<sub>0.9</sub>Sr<sub>0.1</sub>CoO<sub>3</sub>. *Journal of the Ceramic Association Japan*, **1987**, 95, 1031-1033 3
- 35 Influence of Post-Processing Atmosphere on Electrochemical Properties of Thermal Plasma Treated Graphite Particles. *Electrochemistry*, **2003**, 71, 1078-1080 1.2 3
- 34 Sol-gel processed niobium oxide thin-film for a scaffold layer in perovskite solar cells. *Thin Solid Films*, **2019**, 674, 7-11 2.2 2
- 33 Synthesis of Pure, Crystalline (Ba,Sr)TiO<sub>3</sub> Nanosized Powders in Radio Frequency Induction Thermal Plasma. *International Journal of Applied Ceramic Technology*, **2011**, 8, 1125-1135 2 2
- 32 Phase composition and magnetic properties of niobium-iron codoped TiO<sub>2</sub> nanoparticles synthesized in Ar/O<sub>2</sub> radio-frequency thermal plasma. *Journal of Solid State Chemistry*, **2011**, 184, 2525-2532 2.3 2
- 31 In-flight nitriding of the MoSi<sub>2</sub> powders in an Ar/N<sub>2</sub> induction plasma. *Thin Solid Films*, **1998**, 316, 174-177 2.2 2
- 30 Nano Ceramics Center, National Institute for Materials Science. *Science and Technology of Advanced Materials*, **2007**, 8, 571-577 7.1 2
- 29 Nonequilibrium situations in a pulse-modulated Ar/N<sub>2</sub> inductively coupled thermal plasma for hydrogen doping. *Thin Solid Films*, **2008**, 516, 4407-4414 2.2 2
- 28 Generation of Inductively Coupled Thermal Plasma with Pulse Modulated Mode. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1999**, 63, 2-8 0.4 2
- 27 Size Effect of Hydroxide Nanobuilding Blocks and Nonionic Block Copolymer Templates on the Formation of Ordered Mesoporous Structures. *Journal of Physical Chemistry B*, **2021**, 125, 4883-4889 3.4 2
- 26 Investigation of Temperature-Dependent Hard X-ray Photoemission Spectra on Au/Nb:SrTiO<sub>3</sub> Schottky Junctions. *Journal of Physical Chemistry C*, **2021**, 125, 14836-14842 3.8 2
- 25 Growth-Parameter Dependence of Polarity and Electronic Transports in ZnO Thin Films Deposited by Magnetron Sputtering. *Physica Status Solidi (A) Applications and Materials Science*, **2018**, 215, 1700838 1.6 1
- 24 Effect of hydrogen radical on decomposition of chlorosilane source gases. *Journal of Physics: Conference Series*, **2013**, 441, 012003 0.3 1
- 23 Dispersion Behavior of Spindle-Type Iron Nanoparticles in Organic Solvents. *Journal of the Society of Powder Technology, Japan*, **2008**, 45, 773-779 0.3 1
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