

Kenjiro Fujimoto

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Preparation and electrode property of layered rock-salt type $\text{LiNi}_{1-x} \text{Co}_x \text{M}_y \text{O}_2$ and		

#	ARTICLE	IF	CITATIONS
19	Preparation of NiSi ₂ and application to thermoelectric silicide elements used as electrodes. MRS Advances, 2018, 3, 1361-1365.	0.9	0
20	Low-Temperature Spark Plasma Sintering of ZrW ₂ Mo ₈ Exhibiting Controllable Negative Thermal Expansion. Materials, 2018, 11, 1582.	2.9	3
21	Fabrication and Mechanical Properties of Textured Ti ₃ SiC ₂ Systems Using Commercial Powder. Materials Transactions, 2018, 59, 829-834.	1.2	10
22	Fabrication and Mechanical Properties of Textured Ti ₃ SiC ₂ Systems Using Commercial Powders. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 552-557.	0.2	0
23	Thermoelectric properties of bismuth-substituted calcium manganite Ca _{1-x} Bi _x MnO ₃ prepared via the electrostatic spray deposition method. Journal of the Ceramic Society of Japan, 2017, 125, 308-312.	1.1	9
24	Preparation of Gallium Stannate Dense Sintered Body Using SPS Method. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 986-989.	0.2	0
25	Elastocaloric effect in CuAlZn and CuAlMn shape memory alloys under compression. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150309.	3.4	50
26	Preparation and Characterization of Ca ₃ (Co,M) ₄ O ₉ Type Thermoelectric Materials Using the Electrostatic Spray Deposition Method. Materials Transactions, 2016, 57, 1482-1488.	1.2	1
27	Combinatorial Synthesis of Epitaxial LiCoO ₂ Thin Films on SrTiO ₃ (001) via On-Substrate Sintering of Li ₂ CO ₃ and CoO by Pulsed Laser Deposition. ACS Combinatorial Science, 2016, 18, 343-348.	3.8	15
28	Influence of temperature and humidity on the electrical sensing of Pt/WO ₃ thin film hydrogen gas sensor. Journal of the Ceramic Society of Japan, 2016, 124, 629-633.	1.1	15
29	In-situ observation of nitrogen monoxide adsorption on perovskite-type M ₁ TiO ₃ (M ₁ = Sr, Ba). Journal of the Ceramic Society of Japan, 2016, 124, 579-583.	1.1	0
30	Low-temperature Solid-state Synthesis of Perovskite Oxides under 50 Å°C. Chemistry Letters, 2016, 45, 226-228.	1.3	8
31	Thermoelectric Properties of Mg ₂ Si _{1-x} Ge _x Sb _y Prepared by Spark Plasma Sintering. MRS Advances, 2016, 1, 3971-3976.	0.9	5
32	Novel Room Temperature Synthesis Process of SrTiO ₃ Fine Particles and Its Photocatalytic Property. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 559-562.	0.2	4
33	Electrode Property of Spinel-type LiNi _{0.5} Mn _{1.5} Ti _x O ₄ (0 ≤ x ≤ 1) Tj ETQq1 1 0.784314 g Japan Society of Powder and Powder Metallurgy, 2016, 63, 679-683.	0.2	1
34	Fabrication and Mechanical Properties of Textured Ti ₃ SiC ₂ MAX Phase Systems. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 970-975.	0.2	2
35	Phase relation and thermoelectric property of Ca _{1-x} Bi _x Mn _{1-y} Ni _y O ₃ (0 ≤ x ≤ 0.1). MRS Advances, 2016, 1, 1941-1946.	0.9	0
36	Thermoelectric properties of synthesized Mg ₂ Si _{0.95} -xGe _{0.05} Sb _x by spark plasma sintering. Materials Research Society Symposia Proceedings, 2015, 1735, 56.	0.1	1

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37	Investigation of Mg ₂ Si formation from Si and Mg by using spark plasma sintering synthesis. Materials Research Society Symposia Proceedings, 2015, 1735, 62.	0.1	1
38	Improvement of hydrogen gas sensing property of the sol-gel derived Pt/WO ₃ thin film by Ti-doping. Journal of the Ceramic Society of Japan, 2015, 123, 1102-1105.	1.1	8
39	Preparation of Highly Crystallized Strontium Titanate Powders at Room Temperature. Journal of the American Ceramic Society, 2015, 98, 3054-3061.	3.8	17
40	Preparation and Characterization of Ca ₃ (Co,M) ₄ O _{9+δ} Type Thermoelectric Materials Using the Electrostatic Spray Deposition Method. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2015, 62, 175-184.	0.2	1
41	Influence of oxygen gas concentration on hydrogen sensing of Pt/WO ₃ thin film prepared by sol-gel process. Sensors and Actuators B: Chemical, 2015, 216, 394-401.	7.8	28
42	Thermoelectric properties of Sb-doped Mg ₂ (Si _{0.95} Ge _{0.05}) synthesized by spark plasma sintering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 195, 45-49.	3.5	13
43	Fabrication of Textured Ti ₂ AlN Ceramic by Slip Casting in a Strong Magnetic Field and Spark Plasma Sintering. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, 538-543.	0.2	6
44	Ion-exchange property of lepidocrocite-type K _{0.8} Zn _{0.4} Ti _{1.6} O ₄ using NH ₄ NO ₃ molten salt. Journal of Ion Exchange, 2014, 25, 12-15.	0.3	6
45	Low-Temperature Synthesis of MgAl ₂ O ₄ by Capsule HIP Using Hydroxides as Starting Materials. Key Engineering Materials, 2014, 617, 217-220.	0.4	2
46	Preparation and Thermoelectric Properties of Perovskite-Type A _x Ca _{1-x} B _y Mn _{1-y} O _{3+δ} (A;La,Bi,Y,Sr) (B;Ni,Ti,V) Thin-Films by Electrostatic Spray Deposition Method. Key Engineering Materials, 2014, 617, 256-259.	0.4	2
47	Reduction of Contact Resistance between Na _x CoO ₂ Thermoelectric Chip and Ag Electrode by Using Spark Plasma Sintering Method.. Materials Research Society Symposia Proceedings, 2014, 1642, 1.	0.1	0
48	Correlativity of the nitrogen oxide adsorption mechanism and crystal structure in hollandite-type compounds. Materials for Renewable and Sustainable Energy, 2014, 3, 1.	3.6	0
49	Single crystal growth and structure refinement of hollandite-type K _{1.98} Fe _{1.98} Sn ₆ O ₁₆ . Journal of Crystal Growth, 2014, 390, 88-91.	1.5	2
50	Proton Distribution and Dynamics in Y- and Zn-Doped BaZrO ₃ . Journal of Physical Chemistry C, 2014, 118, 18846-18852.	3.1	24
51	Design of Seebeck Coefficient Measurement Probe for Powder Library. ACS Combinatorial Science, 2014, 16, 66-70.	3.8	8
52	High-Pressure Combinatorial Process Integrating Hot Isostatic Pressing. ACS Combinatorial Science, 2013, 15, 622-625.	3.8	2
53	Establishment of Pseudoternary Li _{0.5} NiO-MnO ₂ Phase Diagram by Combinatorial Wet Process. ACS Combinatorial Science, 2013, 15, 626-630.	3.8	1
54	Fine particle preparation and electrode property of layered-type LiNi _{0.4} Co _{0.6-x} Ti _x O ₂ . Materials Research Society Symposia Proceedings, 2012, 1425, 65.	0.1	0

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55	Combinatorial exploration of newly pseudo-quintenary layered-type Li-Ni-Co-Fe-Ti oxides. Materials Research Society Symposia Proceedings, 2012, 1425, 52.	0.1	1
56	Effect of copper stress on cup lichens <i>Cladonia humilis</i> and <i>C. subconistea</i> growing on copper-hyperaccumulating moss <i>Scopelophila cataractae</i> at copper-polluted sites in Japan. Ecotoxicology and Environmental Safety, 2012, 84, 341-346.	6.0	9
57	$\text{Li}_x\text{Co}_0.4\text{Ni}_0.3\text{Mn}_0.3\text{O}_2$ electrode materials: Electrochemical and structural studies. Materials Research Bulletin, 2012, 47, 1936-1941.	5.2	18
58	Distribution of K+Cs+Ions in the Alkali Layer of $(\text{K}^+, \text{Cs}^+)$ - Fe^{2+} -Ferrite. IOP Conference Series: Materials Science and Engineering, 2011, 18, 022022.	0.6	1
59	Direct-DME SOFC for Intermediate Operation Temperature Using Proton Conductor as the Electrolyte. ECS Transactions, 2011, 35, 2755-2759.	0.5	0
60	Spectral properties of the Cu-hyperaccumulating moss <i>Scopelophila cataractae</i> . Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 467-472.	3.8	9
61	Structure refinement of newly gallo-titanogallate type $\text{K}_x\text{Ga}_8\text{Ga}_{8+x}\text{Sn}_{16}\text{O}_{56}$. Solid State Ionics, 2011, 184, 70-73.	2.7	1
62	Crystal growth and structure refinement of hollandite-type $\text{K}_{1.59}\text{Ga}_{1.59}\text{Ti}_{6.41}\text{O}_{16}$. Solid State Ionics, 2011, 184, 74-77.	2.7	4
63	Charge/discharge properties of a layered-type $\text{Li}(\text{Ni}, \text{Co}, \text{Ti})\text{O}_2$ powder library. Science and Technology of Advanced Materials, 2011, 12, 054203.	6.1	9
64	Photoabsorption Study of Pigments in Mosses: <i>Scopelophila ligulata</i> Has an Abnormally High Formation Rate of Pheophytin. Chemistry Letters, 2010, 39, 284-285.	1.3	6
65	On the $\text{LiNi}_0.2\text{Mn}_0.2\text{Co}_0.6\text{O}_2$ positive electrode material. Journal of Power Sources, 2010, 195, 1510-1515.	7.8	33
66	Low-Temperature Preparation of Nano-Sized Particles of Some Alkali Titanates by Solution Process. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2009, 56, 225-231.	0.2	0
67	Preparation of Piled $\text{Ba}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ with Flat Temperature Dependence in Dielectric Constant. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2009, 56, 236-240.	0.2	1
68	Development of the Fe Anodic Catalyst for Solid Oxide Fuel Cell Operated at Intermediate-temperature Direct Utilizing of Dimethylether Fuel. Electrochemistry, 2009, 77, 225-228.	1.4	1
69	Development of the Fe-Ni Anodic Catalyst for Solid Oxide Fuel Cell Operated at Intermediate-temperature Direct Utilizing of Dimethylether Fuel. Electrochemistry, 2009, 77, 149-151.	1.4	1
70	Preparation of $\text{WO}_3 \cdot n\text{H}_2\text{O}$ Thin Films at Room Temperature by Solution Process and Their Electrochromic Properties. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2009, 60, 268-272.	0.2	0
71	High-Throughput Preparation and Characterization of Powder and Thin-Film Library for Electrode Materials. Materials Science Forum, 2007, 534-536, 469-472.	0.3	2
72	Establishment of Reaction Phase Diagrams of Pseudo Quaternary Li-Ni-Co-Ti Oxides Library. Materials Research Society Symposia Proceedings, 2007, 1024, 1.	0.1	1

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73	Exploration of layered-type pseudo four-component Li-Ni-Co-Ti oxides. Applied Surface Science, 2007, 254, 704-708.	6.1	9
74	Preparation of pseudo-ternary library by combinatorial robot system based on wet and dry processes. Measurement Science and Technology, 2005, 16, 41-45.	2.6	13
75	High-throughput preparation of multinary liquid, thin-film and powder library by combinatorial electrostatic atomization system. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	0
76	Combinatorial approach for powder preparation of pseudo-ternary system $\text{LiO}_0.5\text{X}\text{TiO}_2$ (X: FeO1.5,) Tj ETQq0,0 0 rgBT /Overlock	6.1	30
77	Combinatorial electrode array for high-throughput evaluation of combinatorial library for electrode materials. Applied Surface Science, 2004, 223, 210-213.	6.1	23
78	NO x storage properties of hollandite-type $\text{K}_x\text{Ga}_x\text{Sn}_{8-x}\text{O}_{16}$. Research on Chemical Intermediates, 2003, 29, 749-753.	2.7	0
79	Photoinduced hydrophilicity and photocatalytic decomposition of endocrine-disrupting chemical pentachlorophenol on hollandite. Journal of Materials Research, 2003, 18, 1046-1053.	2.6	3
80	Tbit/inch ² ferroelectric data storage based on scanning nonlinear dielectric microscopy. Applied Physics Letters, 2002, 81, 4401-4403.	3.3	186
81	Sol-gel preparation of Li ⁺ ion conductive thin film. Applied Surface Science, 2002, 189, 300-306.	6.1	25
82	Preparation of hollandite-type $\text{K}_x\text{Ga}_x\text{Sn}_{8-x}\text{O}_{16}$ thin film and NO adsorption behavior. Solid State Ionics, 2002, 152-153, 769-775.	2.7	14
83	Oxygen dependence of NO adsorption on Hollandite-type $\text{K}_x\text{Ga}_x\text{Sn}_{8-x}\text{O}_{16}$ thin film. Research on Chemical Intermediates, 2002, 28, 493-503.	2.7	1
84	Development of Robot System and X-ray Powder Diffraction for Combinatorial Materials Research. Materials Research Society Symposia Proceedings, 2001, 700, 511.	0.1	1
85	Photocatalytic Reduction of NO with C ₂ H ₆ on a Hollandite-Type Catalyst. Journal of Sol-Gel Science and Technology, 2000, 19, 775-778.	2.4	12
86	Adsorption Behavior of Nitrogen Monoxide on $\text{K}_x\text{Ga}_x\text{Sn}_{8-x}\text{O}_{16}$ Hollandite. Journal of Sol-Gel Science and Technology, 2000, 19, 377-381.	2.4	8
87	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 505-510.	2.4	18
88	Reductive decomposition of nitrate ion to nitrogen in water on a unique hollandite photocatalyst. Applied Catalysis B: Environmental, 1999, 23, 283-289.	20.2	46
89	Title is missing!. Journal of Materials Synthesis and Processing, 1998, 6, 329-333.	0.3	15
90	Synthesis of hollandite-type $\text{K}_x\text{Ga}_x\text{Sn}_{8-x}\text{O}_{16}$ fine particles by the sol-gel method. Journal of Materials Research, 1998, 13, 926-929.	2.6	12

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91	Reactivity of Carbonates in Superheated Steam under Atmospheric Pressure. Key Engineering Materials, 0, 617, 225-228.	0.4	3