

Yuki Yamaguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8540889/publications.pdf>

Version: 2024-02-01

65
papers

789
citations

516710

16
h-index

552781

26
g-index

66
all docs

66
docs citations

66
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and electrode property of layered rock-salt type $\text{LiNi}_{1-x} \text{Li}_{x/2} \text{Co}_{1-x} \text{M}_{x/2} \text{O}_2$ ($\text{M} = \text{Mn}, \text{Fe}, \text{Ni}$) and		

#	ARTICLE	IF	CITATIONS
19	La _{0.65} Ca _{0.35} FeO _{3-δ} as a novel Sr- and Co-free cathode material for solid oxide fuel cells. Journal of Power Sources, 2020, 448, 227426.	7.8	24
20	Degradation evaluation by distribution of relaxation times analysis for microtubular solid oxide fuel cells. Electrochimica Acta, 2020, 339, 135913.	5.2	84
21	Performance Comparison of Perovskite Composite Cathodes with BaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O _{3-δ} in Anode-Supported Protonic Ceramic Fuel Cells. Journal of the Electrochemical Society, 2020, 167, 124506.	2.9	30
22	The development of low-temperature sintering techniques for functional ceramic devices using chemical reactions. Journal of the Ceramic Society of Japan, 2020, 128, 747-755.	1.1	6
23	Low-temperature fabrication of (Ba,Sr)(Co,Fe)O ₃ cathode by the reactive sintering method. Journal of the Ceramic Society of Japan, 2019, 127, 485-490.	1.1	3
24	Near room temperature synthesis of perovskite oxides. Ceramics International, 2019, 45, 24936-24940.	4.8	9
25	Electrochemical Performance of Anode-Supported Protonic Ceramic Fuel Cells with Various Composite Cathodes. ECS Transactions, 2019, 91, 1075-1083.	0.5	1
26	Development of Metal-Supported Planar SOFCs Fabricated by All Wet Process on Metallurgical Porous Substrates. ECS Transactions, 2019, 91, 909-915.	0.5	2
27	Preparation of Pt/WO ₃ -coated polydimethylsiloxane membrane for transparent/flexible hydrogen gas sensors. Materials Chemistry and Physics, 2019, 226, 226-229.	4.0	25
28	Nanocomposite electrodes for high current density over 3 A cm ⁻² in solid oxide electrolysis cells. Nature Communications, 2019, 10, 5432.	12.8	79
29	A Key for Achieving Higher Open-Circuit Voltage in Protonic Ceramic Fuel Cells: Lowering Interfacial Electrode Polarization. ACS Applied Energy Materials, 2019, 2, 587-597.	5.1	28
30	Effect of Ni diffusion into BaZr _{0.1} Ce _{0.7} Y _{0.1} O _{3-δ} electrolyte during high temperature co-sintering in anode-supported solid oxide fuel cells. Ceramics International, 2018, 44, 3134-3140.	4.8	44
31	Effect of Anode Thickness on Polarization Resistance for Metal-Supported Microtubular Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2017, 164, F243-F247.	2.9	15
32	Extremely fine structured cathode for solid oxide fuel cells using Sr-doped LaMnO ₃ and Y ₂ O ₃ -stabilized ZrO ₂ nano-composite powder synthesized by spray pyrolysis. Journal of Power Sources, 2017, 341, 280-284.	7.8	34
33	Improved transport property of proton-conducting solid oxide fuel cell with multi-layered electrolyte structure. Journal of Power Sources, 2017, 364, 458-464.	7.8	22
34	Distribution of Relaxation Times Analysis for Optimization of Anode Thickness in Metal-Supported Microtubular Solid Oxide Fuel Cells. ECS Transactions, 2017, 78, 2151-2157.	0.5	2
35	Metal-supported microtubular solid oxide fuel cells with ceria-based electrolytes. Journal of the Ceramic Society of Japan, 2017, 125, 208-212.	1.1	7
36	Additive effect of NiO on electrochemical properties of mixed ion conductor BaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O _{3-δ} Journal of the Ceramic Society of Japan, 2017, 125, 257-261.		

#	ARTICLE	IF	CITATIONS
37	Thermoelectric properties of bismuth-substituted calcium manganite $\text{Ca}_{1-x}\text{Bi}_x\text{MnO}_3$ prepared via the electrostatic spray deposition method. Journal of the Ceramic Society of Japan, 2017, 125, 308-312.	1.1	1
38	Reactive-sintering of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3+\delta}$ using alkaline earth peroxides for low-temperature synthesis. Journal of the Ceramic Society of Japan, 2017, 125, 681-685.	1.1	3
39	Preparation of Gallium Stannate Dense Sintered Body Using SPS Method. Funtai Oyobi Fummatsumi Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 986-989.	0.2	0
40	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
41	Preparation and Characterization of $\text{Ca}_{3-x}(\text{Co},\text{M})_4\text{O}_{9+\delta}$ Type Thermoelectric Materials Using the Electrostatic Spray Deposition Method. Materials Transactions, 2016, 57, 1482-1488.	1.2	1
42	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
43	In-situ observation of nitrogen monoxide adsorption on perovskite-type $\text{M}_{1-x}\text{TiO}_3$ ($x = \text{Sr}, \text{Ba}$). Journal of the Ceramic Society of Japan, 2016, 124, 579-583.	1.1	0
44	Low-temperature Solid-state Synthesis of Perovskite Oxides under 50 °C. Chemistry Letters, 2016, 45, 226-228.	1.3	8
45	Thermoelectric Properties of $\text{Mg}_{2-x}\text{Si}_x\text{Ge}_x\text{Sb}_y$ Prepared by Spark Plasma Sintering. MRS Advances, 2016, 1, 3971-3976.	0.9	5
46	Novel Room Temperature Synthesis Process of SrTiO_3 Fine Particles and Its Photocatalytic Property. Funtai Oyobi Fummatsumi Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 559-562.	0.2	4
47	Electrode Property of Spinel-type $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{Ti}_x\text{O}_4$ ($0 \leq x \leq 1$). Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 679-683.	0.2	1
48	Phase relation and thermoelectric property of $\text{Ca}_{1-x}\text{Bi}_x\text{Mn}_{1-y}\text{Ni}_y\text{O}_3$ ($0 \leq x, y \leq 0.1$). MRS Advances, 2016, 1, 1941-1946.	0.9	0
49	Thermoelectric properties of synthesized $\text{Mg}_{2-x}\text{Si}_{0.95-x}\text{Ge}_{0.05}\text{Sb}_x$ by spark plasma sintering. Materials Research Society Symposia Proceedings, 2015, 1735, 56.	0.1	1
50	Investigation of Mg_2Si formation from Si and Mg by using spark plasma sintering synthesis. Materials Research Society Symposia Proceedings, 2015, 1735, 62.	0.1	1
51	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
52	Boron-doped Nanodiamond Powder Prepared by Solid-state Diffusion Method. Chemistry Letters, 2015, 44, 627-629.	1.3	9
53	Preparation of Highly Crystallized Strontium Titanate Powders at Room Temperature. Journal of the American Ceramic Society, 2015, 98, 3054-3061.	3.8	17
54	Preparation and Characterization of $\text{Ca}_{3-x}(\text{Co},\text{M})_4\text{O}_{9+\delta}$ Type Thermoelectric Materials Using the Electrostatic Spray Deposition Method. Funtai Oyobi Fummatsumi Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2015, 62, 175-184.	0.2	1

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Preparation and Thermoelectric Properties of Perovskite-Type A _x Ca _{1-x} B _y Mn _{1-y} O ₃ (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
59	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
60	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
61	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
62	Gasochromic and electrical properties of Pt-nanoparticle-dispersed tungsten oxide thin films prepared by a sol-gel process. Materials Research Society Symposia Proceedings, 2012, 1400, 7.	0.1	0
63	Hydrogen gas-sensing properties of Pt/WO ₃ thin film in various measurement conditions. Ionics, 2012, 18, 449-453.	2.4	24
64	Investigation of Electrical Hydrogen Detection Properties of Pt/WO ₃ Thin Films Prepared by Sol-Gel Method. Key Engineering Materials, 2011, 485, 271-274.	0.4	6
65	Reactivity of Carbonates in Superheated Steam under Atmospheric Pressure. Key Engineering Materials, 0, 617, 225-228.	0.4	3