

# Toshiaki Yamaguchi

## List of Publications by Citations

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148  
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154  
ext. papers

3,588  
ext. citations

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5.03  
L-index

#	Paper	IF	Citations
148	Processing and Piezoelectric Properties of Lead-Free (K,Na) (Nb,Ta) O <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1190-1196	3.8	400
147	Impact of anode microstructure on solid oxide fuel cells. <i>Science</i> , <b>2009</b> , 325, 852-5	33.3	387
146	Sinterability and Piezoelectric Properties of (K,Na)NbO <sub>3</sub> Ceramics with Novel Sintering Aid. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 7159-7163	1.4	191
145	Effect of Li Substitution on the Piezoelectric Properties of Potassium Sodium Niobate Ceramics. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 6136-6142	1.4	160
144	Fabrication and characterization of micro tubular SOFCs for operation in the intermediate temperature. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 73-77	8.9	137
143	Sintering and Piezoelectric Properties of Potassium Sodium Niobate Ceramics with Newly Developed Sintering Aid. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 258-263	1.4	112
142	AC impedance characteristics for anode-supported microtubular solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2012</b> , 67, 159-165	6.7	75
141	Improvement of SOFC Performance Using a Microtubular, Anode-Supported SOFC. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, A925	3.9	70
140	Current collecting efficiency of micro tubular SOFCs. <i>Journal of Power Sources</i> , <b>2007</b> , 163, 737-742	8.9	66
139	Examination of wet coating and co-sintering technologies for micro-SOFCs fabrication. <i>Journal of Membrane Science</i> , <b>2007</b> , 300, 45-50	9.6	66
138	High performance of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> Te <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>1.95</sub> nanoparticulate cathode for intermediate temperature microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2013</b> , 226, 354-358	8.9	60
137	A functional layer for direct use of hydrocarbon fuel in low temperature solid-oxide fuel cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 940-943	35.4	58
136	Design and Fabrication of Lightweight, Submillimeter Tubular Solid Oxide Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, A177		58
135	Fabrication and characterization of high performance cathode supported small-scale SOFC for intermediate temperature operation. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 1381-1383	5.1	51
134	Challenge for lowering concentration polarization in solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2016</b> , 302, 53-60	8.9	49
133	Synthesis and Characterization of (K <sub>0.5</sub> Na <sub>0.5</sub> )(Nb <sub>0.7</sub> Ta <sub>0.3</sub> )O <sub>3</sub> Piezoelectric Ceramics Sintered with Sintering Aid K <sub>5.4</sub> Cu <sub>1.3</sub> Ta <sub>10</sub> O <sub>29</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 6618-6623	1.4	47
132	Degradation evaluation by distribution of relaxation times analysis for microtubular solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2020</b> , 339, 135913	6.7	42

131	Orientation control of perovskite thin films on glass substrates by the application of a seed layer prepared from oxide nanosheets. <i>Journal of Sol-Gel Science and Technology</i> , <b>2007</b> , 42, 381-387	2.3	41
130	Anode-supported micro tubular SOFCs for advanced ceramic reactor system. <i>Journal of Power Sources</i> , <b>2007</b> , 171, 92-95	8.9	39
129	Fabrication of needle-type micro SOFCs for micro power devices. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 1563-1566	5.1	38
128	Processing and Properties of Rare Earth Ion-Doped Bismuth Titanate Thin Films by Chemical Solution Deposition method. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 5222-5226	1.4	36
127	Effect of anode microstructure on the performance of micro tubular SOFCs. <i>Solid State Ionics</i> , <b>2009</b> , 180, 546-549	3.3	34
126	Fabrication and characterization of micro tubular SOFCs for advanced ceramic reactors. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 632-635	5.7	34
125	Cube-type micro SOFC stacks using sub-millimeter tubular SOFCs. <i>Journal of Power Sources</i> , <b>2008</b> , 183, 544-550	8.9	34
124	High power density cell using nanostructured Sr-doped SmCoO <sub>3</sub> and Sm-doped CeO <sub>2</sub> composite powder synthesized by spray pyrolysis. <i>Journal of Power Sources</i> , <b>2016</b> , 302, 308-314	8.9	33
123	Fabrication and evaluation of cathode-supported small scale SOFCs. <i>Materials Letters</i> , <b>2008</b> , 62, 1518-1520	3.9	32
122	Fabrication of micro-tubular solid oxide fuel cells with a single-grain-thick yttria stabilized zirconia electrolyte. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 7825-7828	8.9	30
121	Evaluation of Micro LSM-Supported GDC/ScSZ Bilayer Electrolyte with LSM/GDC Activation Layer for Intermediate Temperature-SOFCs. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B423	3.9	30
120	Synthesis and characterization of BaTiO <sub>3</sub> -coated Ni particles. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 507-510	6	29
119	Effect of Ni diffusion into BaZr <sub>0.1</sub> Ce <sub>0.7</sub> Y <sub>0.1</sub> Yb <sub>0.1</sub> O <sub>3</sub> electrolyte during high temperature co-sintering in anode-supported solid oxide fuel cells. <i>Ceramics International</i> , <b>2018</b> , 44, 3134-3140	5.1	29
118	Impact of direct butane microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2012</b> , 220, 74-78	8.9	27
117	Extremely fine structured cathode for solid oxide fuel cells using Sr-doped LaMnO <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> -stabilized ZrO <sub>2</sub> nano-composite powder synthesized by spray pyrolysis. <i>Journal of Power Sources</i> , <b>2017</b> , 341, 280-284	8.9	25
116	Electrochemical characterizations of microtubular solid oxide fuel cells under a long-term testing at intermediate temperature operation. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 2627-2630	8.9	25
115	Development of a Dense Electrolyte Thin Film by the Ink-Jet Printing Technique for a Porous LSM Substrate. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 91, 346-349	3.8	22
114	Synthesis of porous titania thin films using carbonatation reaction and its hydrophilic property. <i>Thin Solid Films</i> , <b>2008</b> , 516, 3888-3892	2.2	22

113	Nanocomposite electrodes for high current density over 3 A cm in solid oxide electrolysis cells. <i>Nature Communications</i> , <b>2019</b> , 10, 5432	17.4	22
112	Effect of anode functional layer on energy efficiency of solid oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 959-962	5.1	21
111	Effect of nanostructured anode functional layer thickness on the solid-oxide fuel cell performance in the intermediate temperature. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 19731-19736	6.7	20
110	Development of cube-type SOFC stacks using anode-supported tubular cells. <i>Journal of Power Sources</i> , <b>2008</b> , 175, 68-74	8.9	20
109	Effects of Anode Microstructure on Mechanical and Electrochemical Properties for Anode-Supported Microtubular Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3584-3588	3.8	19
108	Evaluation of extruded cathode honeycomb monolith-supported SOFC under rapid start-up operation. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 1478-1482	6.7	19
107	Development and Evaluation of a Cathode-Supported SOFC Having a Honeycomb Structure. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, B117		18
106	Electrochemical and microstructural properties of Ni <sub>0.8</sub> (Y <sub>2</sub> O <sub>3</sub> ) <sub>0.08</sub> (ZrO <sub>2</sub> ) <sub>0.92</sub> (Ce <sub>0.9</sub> Gd <sub>0.1</sub> )O <sub>1.95</sub> anode-supported microtubular solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2016</b> , 285, 227-233	3.3	17
105	Design and Fabrication of a Novel Electrode-Supported Honeycomb SOFC. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, S107-S111	3.8	17
104	Development of novel micro flat-tube solid-oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 719-722	5.1	16
103	Orientation control of chemical solution deposited LaNiO <sub>3</sub> thin films. <i>Thin Solid Films</i> , <b>2005</b> , 491, 78-81	2.2	16
102	Electrochemical analysis for anode-supported microtubular solid oxide fuel cells in partial reducing and oxidizing conditions. <i>Solid State Ionics</i> , <b>2014</b> , 262, 407-410	3.3	15
101	One-step sintering process of gadolinia-doped ceria interlayer/candia-stabilized zirconia electrolyte for anode supported microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2012</b> , 199, 170-173	8.9	15
100	In Situ Formation of Ce-TZP/Ba Hexaaluminate Composites.. <i>Journal of the Ceramic Society of Japan</i> , <b>1999</b> , 107, 814-819		15
99	Improved transport property of proton-conducting solid oxide fuel cell with multi-layered electrolyte structure. <i>Journal of Power Sources</i> , <b>2017</b> , 364, 458-464	8.9	14
98	New Stack Design of Micro-tubular SOFCs for Portable Power Sources. <i>Fuel Cells</i> , <b>2008</b> , 8, 381-384	2.9	14
97	Touch sensor for micromanipulation with pipette using lead-free (K,Na)(Nb,Ta)O <sub>3</sub> piezoelectric ceramics. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 094505	2.5	14
96	Fabrication and properties of Er-substituted BaNb <sub>2</sub> O <sub>6</sub> thin films through a chemical route. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 538-542	5.7	14

95	Performance of Ni <sub>0.8</sub> Fe/gadolinium-doped CeO <sub>2</sub> anode supported tubular solid oxide fuel cells using steam reforming of methane. <i>Journal of Power Sources</i> , <b>2012</b> , 202, 225-229	8.9	13
94	Low temperature densification process of solid-oxide fuel cell electrolyte controlled by anode support shrinkage. <i>RSC Advances</i> , <b>2011</b> , 1, 911	3.7	13
93	Fabrication and evaluation of a novel cathode-supported honeycomb SOFC stack. <i>Materials Letters</i> , <b>2009</b> , 63, 2577-2580	3.3	13
92	Development of anode-supported electrochemical cell based on proton-conductive Ba(Ce,Zr)O <sub>3</sub> electrolyte. <i>Solid State Ionics</i> , <b>2016</b> , 288, 347-350	3.3	12
91	Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol for Anode-supported Microtubular Solid Oxide Fuel Cells. <i>Fuel Cells</i> , <b>2017</b> , 17, 875-881	2.9	11
90	Performance of the Micro-SOFC Module Using Submillimeter Tubular Cells. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B318	3.9	11
89	Effect of Ni content on CO <sub>2</sub> methanation performance with tubular-structured Ni-YSZ catalysts and optimization of catalytic activity for temperature management in the reactor. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 12911-12920	6.7	11
88	Effect of Anode Thickness on Polarization Resistance for Metal-Supported Microtubular Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F243-F247	3.9	10
87	Effects of anode microstructures on durability of microtubular solid oxide fuel cells during internal steam reforming of methane. <i>Electrochemistry Communications</i> , <b>2014</b> , 49, 34-37	5.1	10
86	Effect of Operating Temperature on Durability for Direct Butane Utilization of Microtubular Solid Oxide Fuel Cells. <i>Electrochemistry</i> , <b>2013</b> , 81, 86-91	1.2	10
85	Low temperature processed composite cathodes for Solid-oxide fuel Cells. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 10998-11003	6.7	10
84	Wet Atomisation of Gd-doped CeO <sub>2</sub> Electrolyte Slurries for Intermediate TemperaturesR Microtubular SOFC Applications. <i>Fuel Cells</i> , <b>2009</b> , 9, 164-169	2.9	10
83	Energy efficiency of a microtubular solid-oxide fuel cell. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5485-5489	8.9	10
82	Demonstration of the Rapid Start-Up Operation of Cathode-Supported SOFCs Using a Microtubular LSM Support. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B1141	3.9	10
81	Investigation of the microstructural effect of Ni <sub>0.4</sub> Al <sub>0.6</sub> tria stabilized zirconia anode for solid-oxide fuel cell using micro-beam X-ray absorption spectroscopy analysis. <i>Journal of Power Sources</i> , <b>2013</b> , 222, 15-20	8.9	9
80	Recent Development of Microceramic Reactors for Advanced Ceramic Reactor System. <i>Journal of Fuel Cell Science and Technology</i> , <b>2010</b> , 7,		9
79	Chemical solution processing and properties of Sr <sub>2</sub> FeMoO <sub>6</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 295, 230-234	2.8	9
78	Direct Butane Utilization on Ni-(Y <sub>2</sub> O <sub>3</sub> ) <sub>0.08</sub> (ZrO <sub>2</sub> ) <sub>0.92</sub> -(Ce <sub>0.9</sub> Gd <sub>0.1</sub> )O <sub>1.95</sub> Composite Anode-Supported Microtubular Solid Oxide Fuel Cells. <i>Electrocatalysis</i> , <b>2017</b> , 8, 288-293	2.7	8

77	Correlation between Dissolved Protons in Nickel-Doped BaZrCeYYbO and Its Electrical Conductive Properties. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 11876-11882	5.1	8
76	Decomposition reaction of BaZr <sub>0.1</sub> Ce <sub>0.7</sub> Y <sub>0.1</sub> Yb <sub>0.1</sub> O <sub>3-δ</sub> in carbon dioxide atmosphere with nickel sintering aid. <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 247-251	1	8
75	Effects of Anode Microstructure on the Performances of Cathode-Supported Micro-SOFCs. <i>Electrochemical and Solid-State Letters</i> , <b>2009</b> , 12, B151		8
74	Anode performance control of micro-tubular SOFC via wet coating method. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 7656-7660	6.7	8
73	Fabrication and Characterization of Microtubular SOFCs with Multilayered Electrolyte. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, B87		8
72	A Key for Achieving Higher Open-Circuit Voltage in Protonic Ceramic Fuel Cells: Lowering Interfacial Electrode Polarization. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 587-597	6.1	8
71	A reduced temperature solid oxide fuel cell with three-dimensionally ordered macroporous cathode. <i>Journal of Power Sources</i> , <b>2012</b> , 212, 86-92	8.9	7
70	Additive effect of NiO on electrochemical properties of mixed ion conductor BaZr <sub>0.1</sub> Ce <sub>0.7</sub> Y <sub>0.1</sub> Yb <sub>0.1</sub> O <sub>3-δ</sub> . <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 257-261	1	7
69	Direct hydrocarbon utilization in microtubular solid oxide fuel cells. <i>Journal of the Ceramic Society of Japan</i> , <b>2015</b> , 123, 213-216	1	7
68	Experimental and Simulated Evaluations of Current Collection Losses in Anode-Supported Microtubular Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, F1232-F1236	3.9	7
67	Evaluation of micro flat-tube solid-oxide fuel cell modules using simple gas heating apparatus. <i>Journal of Power Sources</i> , <b>2014</b> , 272, 730-734	8.9	6
66	Microtubular solid-oxide fuel cells for low-temperature operation. <i>MRS Bulletin</i> , <b>2014</b> , 39, 805-809	3.2	6
65	Effect of the adding ferrum in nickel/GDC anode-supported solid-oxide fuel cell in the intermediate temperature. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 10975-10980	6.7	6
64	Development of Microtubular SOFCs. <i>Journal of Fuel Cell Science and Technology</i> , <b>2008</b> , 5,		6
63	Concept, Manufacture and Results of the Microtubular Solid Oxide Fuel Cell. <i>Transactions on Electrical and Electronic Materials</i> , <b>2011</b> , 12, 1-6	1.7	6
62	Effect of starting solution concentration in spray pyrolysis on powder properties and electrochemical electrode performance. <i>Advanced Powder Technology</i> , <b>2016</b> , 27, 1438-1445	4.6	6
61	Development of a Portable SOFC System with Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol. <i>ECS Transactions</i> , <b>2017</b> , 80, 71-77	1	5
60	Investigation of shrinkage behavior of NiBe bimetallic anode tube support and the densification of electrolyte using co-sintering temperature. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 9124-9129	8.9	5

59	Development of Honeycomb-type SOFCs with Accumulated Multi Micro-cells. <i>ECS Transactions</i> , <b>2007</b> , 7, 657-662	1	5
58	Fabrication and Properties of Honeycomb-type SOFCs Accumulated with Multi Micro-cells. <i>ECS Transactions</i> , <b>2007</b> , 7, 651-656	1	5
57	Low Temperature Recycling Process for Barium Titanate Based Waste. <i>Journal of the Ceramic Society of Japan</i> , <b>2006</b> , 114, 392-394		5
56	Synthesis and Processing of Barium Hexaaluminogallates. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 1433-1438	3.8	5
55	Dissociation behavior of protons incorporated in yttrium doped barium zirconate. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 252, 22-27	3.3	4
54	Performance of Ni-based Anode-Supported SOFCs with Doped Ceria Electrolyte at Low Temperatures Between 294 and 542°C. <i>International Journal of Applied Ceramic Technology</i> , <b>2015</b> , 12, 358-362	2	4
53	High steam utilization operation with high current density in solid oxide electrolysis cells. <i>Journal of the Ceramic Society of Japan</i> , <b>2016</b> , 124, 213-217	1	4
52	Metal-supported microtubular solid oxide fuel cells with ceria-based electrolytes. <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 208-212	1	4
51	Effect of microstructure on the conductivity of porous (La <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>0.99</sub> MnO <sub>3</sub> . <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 895-898	1	4
50	Novel Electrode-Supported Honeycomb Solid Oxide Fuel Cell: Design and Fabrication. <i>Journal of Fuel Cell Science and Technology</i> , <b>2010</b> , 7,		4
49	In-Situ Processing of Laminated Ceramic Composite for Electrochemical NO <sub>x</sub> Reduction System. <i>Journal of the Ceramic Society of Japan</i> , <b>2004</b> , 112, 82-87		4
48	Properties of Sr <sub>2</sub> FeMoO <sub>6</sub> thin films fabricated by the chemical solution deposition method. <i>Solid State Communications</i> , <b>2005</b> , 133, 71-75	1.6	4
47	Development of Fabrication/Integration Technology for Micro Tubular SOFCs <b>2009</b> , 141-177		3
46	Effect of Cathode Porosity on the Performances of Cathode Supported Honeycomb SOFCs. <i>ECS Transactions</i> , <b>2009</b> , 25, 975-981	1	3
45	A Slurry Injection Method for the Fabrication of Multiple Microchannel SOFCs. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1002-1005	3.8	3
44	Properties of Highly Oriented Rare-Earth-Ion-Substituted BaNb <sub>2</sub> O <sub>6</sub> Thin Films Synthesized by Chemical Solution Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 5913-5917	1.4	3
43	Effects of Transition-Metal Substitution on the Catalytic Properties of Barium Hexaaluminogallate. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 909-914	3.8	3
42	Challenge for the development of micro SOFC manufacturing technology. <i>Synthesiology</i> , <b>2011</b> , 4, 36-45	0.2	3

41	Thermal management of CO <sub>2</sub> methanation with axial staging of active metal concentration in Ni-YSZ tubular catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 4116-4125	6.7	3
40	Distribution of Relaxation Times Analysis for Optimization of Anode Thickness in Metal-Supported Microtubular Solid Oxide Fuel Cells. <i>ECS Transactions</i> , <b>2017</b> , 78, 2151-2157	1	2
39	Fabrication and characterization of YSZ thin films for SOFC application. <i>Journal of the Ceramic Society of Japan</i> , <b>2015</b> , 123, 250-252	1	2
38	Development Of Microtubular Solid Oxide Fuel Cells Using Hydrocarbon Fuels. <i>Ceramic Engineering and Science Proceedings</i> , <b>2015</b> , 93-104	0.1	2
37	Development of Bi-Metal Anode Microtubular Supports for Solid Oxide Fuel Cells. <i>Journal of Fuel Cell Science and Technology</i> , <b>2011</b> , 8,		2
36	Effect of Anode Composition on the Performances of Cathode Supported Micro Channel SOFCs. <i>ECS Transactions</i> , <b>2009</b> , 25, 939-943	1	2
35	Low Temperature Operated SOFCs Using Ceria Based Electrolyte. <i>Electrochemistry</i> , <b>2009</b> , 77, 134-136	1.2	2
34	Wet preparation and characterization of ScSZ thin film electrolyte on micro-cathode supports. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 139-142	1	2
33	Effect of the Fuel Flow Rate on the Performance of the Chip-Type SOFC Module. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B1296	3.9	2
32	Reactive-sintering of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> using alkaline earth peroxides for low-temperature synthesis. <i>Journal of the Ceramic Society of Japan</i> , <b>2017</b> , 125, 681-685	1	1
31	Application of catalytic layer on solid oxide fuel cell anode surface. <i>Electrochemistry Communications</i> , <b>2012</b> , 15, 26-28	5.1	1
30	Conductive glass sealants with Ag nanoparticles prepared by a heat reduction process. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 394-395, 22-28	3.9	1
29	Performance of Microtubular SOFCs Using Ethanol Fuel. <i>Journal of Fuel Cell Science and Technology</i> , <b>2011</b> , 8,		1
28	Performance and Energy Efficiency of a Microtubular Solid Oxide Fuel Cell. <i>ECS Transactions</i> , <b>2011</b> , 35, 425-430	1	1
27	Fabrication of Micro-Tubular SOFC Stack Using Ceramic Manifold. <i>ECS Transactions</i> , <b>2007</b> , 7, 477-482	1	1
26	Processing and Properties of Novel SrTiO <sub>3</sub> Based Layered Film Varistor. <i>Key Engineering Materials</i> , <b>2004</b> , 264-268, 1129-1134	0.4	1
25	Synthesis of Hexaaluminogallate Catalysts for NO <sub>x</sub> Reduction. <i>Catalysis Letters</i> , <b>2004</b> , 97, 171-175	2.8	1
24	DeNO <sub>x</sub> Properties of Barium Hexaaluminogallates.. <i>Journal of the Ceramic Society of Japan</i> , <b>2002</b> , 110, 1-5		1



23	Low temperature operable micro-tubular SOFCs using Gd doped ceria electrolyte and Ni based anode. <i>Ceramic Engineering and Science Proceedings</i> , <b>2015</b> , 97-104	0.1
22	Micro-Tubular SOFC Systems - Fabrication, Testing and Analysis of Micro-Tubular SOFC. <i>ECS Transactions</i> , <b>2011</b> , 30, 129-133	1
21	Development of Bundle/Stack Fabrication Technology for Micro SOFCs. <i>Ceramic Transactions</i> , <b>2010</b> , 179-184	0.1
20	Anode-Supported Tubular SOFC at Low Temperature Using Ni, Fe, GDC, and YSZ Based Anode Support. <i>ECS Transactions</i> , <b>2011</b> , 35, 705-711	1
19	Fabrication and Evaluation of Micro-Tubular SOFC Stack. <i>ECS Transactions</i> , <b>2012</b> , 45, 531-534	1
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