

Toshiaki Yamaguchi

List of Publications by Year in Descending Order

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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.

148
papers

3,306
citations

29
h-index

54
g-index

154
ext. papers

3,588
ext. citations

4.1
avg. IF

5.03
L-index

#	Paper	IF	Citations
148	Interlayer modification for high-performance and stable solid oxide electrolysis cell. <i>Materials Letters</i> , 2021 , 309, 131419	3.3	
147	Thermal management of CO ₂ methanation with axial staging of active metal concentration in Ni-YSZ tubular catalysts. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4116-4125	6.7	3
146	Degradation evaluation by distribution of relaxation times analysis for microtubular solid oxide fuel cells. <i>Electrochimica Acta</i> , 2020 , 339, 135913	6.7	42
145	Effect of Ni content on CO ₂ 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> , 2020 , 45, 12911-12920	6.7	11
144	Nanocomposite electrodes for high current density over 3 A cm in solid oxide electrolysis cells. <i>Nature Communications</i> , 2019 , 10, 5432	17.4	22
143	Development of Portable Solid Oxide Fuel Cell System Driven by Hydrocarbon and Alcohol Fuels. <i>Ceramic Engineering and Science Proceedings</i> , 2019 , 159-163	0.1	
142	A Key for Achieving Higher Open-Circuit Voltage in Protonic Ceramic Fuel Cells: Lowering Interfacial Electrode Polarization. <i>ACS Applied Energy Materials</i> , 2019 , 2, 587-597	6.1	8
141	Effect of Ni diffusion into BaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O ₃ electrolyte during high temperature co-sintering in anode-supported solid oxide fuel cells. <i>Ceramics International</i> , 2018 , 44, 3134-3140	5.1	29
140	Effect of Anode Thickness on Polarization Resistance for Metal-Supported Microtubular Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F243-F247	3.9	10
139	Dissociation behavior of protons incorporated in yttrium doped barium zirconate. <i>Journal of Solid State Chemistry</i> , 2017 , 252, 22-27	3.3	4
138	Direct Butane Utilization on Ni-(Y ₂ O ₃) _{0.08} (ZrO ₂) _{0.92} -(Ce _{0.9} Gd _{0.1})O _{1.95} Composite Anode-Supported Microtubular Solid Oxide Fuel Cells. <i>Electrocatalysis</i> , 2017 , 8, 288-293	2.7	8
137	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. <i>Journal of Power Sources</i> , 2017 , 341, 280-284	8.9	25
136	Development of a Portable SOFC System with Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol. <i>ECS Transactions</i> , 2017 , 80, 71-77	1	5
135	Reactive-sintering of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} using alkaline earth peroxides for low-temperature synthesis. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 681-685	1	1
134	Improved transport property of proton-conducting solid oxide fuel cell with multi-layered electrolyte structure. <i>Journal of Power Sources</i> , 2017 , 364, 458-464	8.9	14
133	Correlation between Dissolved Protons in Nickel-Doped BaZrCeYbO and Its Electrical Conductive Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 11876-11882	5.1	8
132	Distribution of Relaxation Times Analysis for Optimization of Anode Thickness in Metal-Supported Microtubular Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2017 , 78, 2151-2157	1	2

131	Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol for Anode-supported Microtubular Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2017 , 17, 875-881	2.9	11
130	Metal-supported microtubular solid oxide fuel cells with ceria-based electrolytes. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 208-212	1	4
129	Additive effect of NiO on electrochemical properties of mixed ion conductor BaZr _{0.1} Ce _{0.7} Y _{0.1} O _{3-δ} . <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 257-261	1	7
128	Decomposition reaction of BaZr _{0.1} Ce _{0.7} Y _{0.1} O _{3-δ} in carbon dioxide atmosphere with nickel sintering aid. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 247-251	1	8
127	Electrochemical and microstructural properties of Ni _{0.08} (Y ₂ O ₃) _{0.08} (ZrO ₂) _{0.92} (Ce _{0.9} Gd _{0.1})O _{1.95} anode-supported microtubular solid oxide fuel cells. <i>Solid State Ionics</i> , 2016 , 285, 227-233	3.3	17
126	High steam utilization operation with high current density in solid oxide electrolysis cells. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 213-217	1	4
125	Development of anode-supported electrochemical cell based on proton-conductive Ba(Ce,Zr)O ₃ electrolyte. <i>Solid State Ionics</i> , 2016 , 288, 347-350	3.3	12
124	High power density cell using nanostructured Sr-doped SmCoO ₃ and Sm-doped CeO ₂ composite powder synthesized by spray pyrolysis. <i>Journal of Power Sources</i> , 2016 , 302, 308-314	8.9	33
123	Challenge for lowering concentration polarization in solid oxide fuel cells. <i>Journal of Power Sources</i> , 2016 , 302, 53-60	8.9	49
122	Effect of starting solution concentration in spray pyrolysis on powder properties and electrochemical electrode performance. <i>Advanced Powder Technology</i> , 2016 , 27, 1438-1445	4.6	6
121	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> , 2015 , 12, 358-362	2	4
120	Low temperature operable micro-tubular SOFCs using Gd doped ceria electrolyte and Ni based anode. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 97-104	0.1	
119	Direct hydrocarbon utilization in microtubular solid oxide fuel cells. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 213-216	1	7
118	Fabrication and characterization of YSZ thin films for SOFC application. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 250-252	1	2
117	Development Of Microtubular Solid Oxide Fuel Cells Using Hydrocarbon Fuels. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 93-104	0.1	2
116	Nano-Composite Electrode Technology on Micro SOFC. <i>Yosetsu Gakkai Shi/Journal of the Japan Welding Society</i> , 2015 , 84, 193-195	0.1	
115	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> , 2014 , 39, 19731-19736	6.7	20
114	Effects of anode microstructures on durability of microtubular solid oxide fuel cells during internal steam reforming of methane. <i>Electrochemistry Communications</i> , 2014 , 49, 34-37	5.1	10

113	Evaluation of micro flat-tube solid-oxide fuel cell modules using simple gas heating apparatus. <i>Journal of Power Sources</i> , 2014 , 272, 730-734	8.9	6
112	Electrochemical analysis for anode-supported microtubular solid oxide fuel cells in partial reducing and oxidizing conditions. <i>Solid State Ionics</i> , 2014 , 262, 407-410	3.3	15
111	Microtubular solid-oxide fuel cells for low-temperature operation. <i>MRS Bulletin</i> , 2014 , 39, 805-809	3.2	6
110	Conductive glass sealants with Ag nanoparticles prepared by a heat reduction process. <i>Journal of Non-Crystalline Solids</i> , 2014 , 394-395, 22-28	3.9	1
109	Investigation of the microstructural effect of Ni _{0.2} U _{0.8} tria stabilized zirconia anode for solid-oxide fuel cell using micro-beam X-ray absorption spectroscopy analysis. <i>Journal of Power Sources</i> , 2013 , 222, 15-20	8.9	9
108	High performance of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} Te _{0.9} Gd _{0.1} O _{1.95} nanoparticulate cathode for intermediate temperature microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2013 , 226, 354-358	8.9	60
107	Experimental and Simulated Evaluations of Current Collection Losses in Anode-Supported Microtubular Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2013 , 160, F1232-F1236	3.9	7
106	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> , 2013 , 96, 3584-3588	3.8	19
105	Effect of Operating Temperature on Durability for Direct Butane Utilization of Microtubular Solid Oxide Fuel Cells. <i>Electrochemistry</i> , 2013 , 81, 86-91	1.2	10
104	Application of catalytic layer on solid oxide fuel cell anode surface. <i>Electrochemistry Communications</i> , 2012 , 15, 26-28	5.1	1
103	AC impedance characteristics for anode-supported microtubular solid oxide fuel cells. <i>Electrochimica Acta</i> , 2012 , 67, 159-165	6.7	75
102	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> , 2012 , 199, 170-173	8.9	15
101	Performance of Ni _{0.2} Fe/gadolinium-doped CeO ₂ anode supported tubular solid oxide fuel cells using steam reforming of methane. <i>Journal of Power Sources</i> , 2012 , 202, 225-229	8.9	13
100	A reduced temperature solid oxide fuel cell with three-dimensionally ordered macroporous cathode. <i>Journal of Power Sources</i> , 2012 , 212, 86-92	8.9	7
99	Impact of direct butane microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012 , 220, 74-78	8.9	27
98	Fabrication and Evaluation of Micro-Tubular SOFC Stack. <i>ECS Transactions</i> , 2012 , 45, 531-534	1	
97	4.??SOFC?????????????. <i>Electrochemistry</i> , 2012 , 80, 267-270	1.2	
96	Low temperature densification process of solid-oxide fuel cell electrolyte controlled by anode support shrinkage. <i>RSC Advances</i> , 2011 , 1, 911	3.7	13

95	Development of Bi-Metal Anode Microtubular Supports for Solid Oxide Fuel Cells. <i>Journal of Fuel Cell Science and Technology</i> , 2011 , 8,		2
94	Performance of Microtubular SOFCs Using Ethanol Fuel. <i>Journal of Fuel Cell Science and Technology</i> , 2011 , 8,		1
93	A functional layer for direct use of hydrocarbon fuel in low temperature solid-oxide fuel cells. <i>Energy and Environmental Science</i> , 2011 , 4, 940-943	35.4	58
92	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> , 2011 , 196, 9124-9129	8.9	5
91	Effect of anode functional layer on energy efficiency of solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2011 , 13, 959-962	5.1	21
90	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> , 2011 , 36, 10975-10980	6.7	6
89	Low temperature processed composite cathodes for Solid-oxide fuel Cells. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10998-11003	6.7	10
88	Micro-Tubular SOFC Systems - Fabrication, Testing and Analysis of Micro-Tubular SOFC. <i>ECS Transactions</i> , 2011 , 30, 129-133	1	
87	Electrochemical characterizations of microtubular solid oxide fuel cells under a long-term testing at intermediate temperature operation. <i>Journal of Power Sources</i> , 2011 , 196, 2627-2630	8.9	25
86	Development of novel micro flat-tube solid-oxide fuel cells. <i>Electrochemistry Communications</i> , 2011 , 13, 719-722	5.1	16
85	Anode performance control of micro-tubular SOFC via wet coating method. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7656-7660	6.7	8
84	Energy efficiency of a microtubular solid-oxide fuel cell. <i>Journal of Power Sources</i> , 2011 , 196, 5485-5489	8.9	10
83	Anode-Supported Tubular SOFC at Low Temperature Using Ni, Fe, GDC, and YSZ Based Anode Support. <i>ECS Transactions</i> , 2011 , 35, 705-711	1	
82	Performance and Energy Efficiency of a Microtubular Solid Oxide Fuel Cell. <i>ECS Transactions</i> , 2011 , 35, 425-430	1	1
81	Concept, Manufacture and Results of the Microtubular Solid Oxide Fuel Cell. <i>Transactions on Electrical and Electronic Materials</i> , 2011 , 12, 1-6	1.7	6
80	Challenge for the development of micro SOFC manufacturing technology. <i>Synthesiology</i> , 2011 , 4, 36-45	0.2	3
79	Development of Bundle/Stack Fabrication Technology for Micro SOFCs. <i>Ceramic Transactions</i> , 2010 , 179-184	0.1	
78	Recent Development of Microceramic Reactors for Advanced Ceramic Reactor System. <i>Journal of Fuel Cell Science and Technology</i> , 2010 , 7,		9

77	Novel Electrode-Supported Honeycomb Solid Oxide Fuel Cell: Design and Fabrication. <i>Journal of Fuel Cell Science and Technology</i> , 2010 , 7,		4
76	Fabrication of micro-tubular solid oxide fuel cells with a single-grain-thick yttria stabilized zirconia electrolyte. <i>Journal of Power Sources</i> , 2010 , 195, 7825-7828	8.9	30
75	Development of Fabrication/Integration Technology for Micro Tubular SOFCs 2009 , 141-177		3
74	Effect of Cathode Porosity on the Performances of Cathode Supported Honeycomb SOFCs. <i>ECS Transactions</i> , 2009 , 25, 975-981	1	3
73	Effect of Anode Composition on the Performances of Cathode Supported Micro Channel SOFCs. <i>ECS Transactions</i> , 2009 , 25, 939-943	1	2
72	Effects of Anode Microstructure on the Performances of Cathode-Supported Micro-SOFCs. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, B151		8
71	Performance of the Micro-SOFC Module Using Submillimeter Tubular Cells. <i>Journal of the Electrochemical Society</i> , 2009 , 156, B318	3.9	11
70	Fabrication and evaluation of a novel cathode-supported honeycomb SOFC stack. <i>Materials Letters</i> , 2009 , 63, 2577-2580	3.3	13
69	Wet Atomisation of Gd-doped CeO ₂ Electrolyte Slurries for Intermediate TemperaturesR Microtubular SOFC Applications. <i>Fuel Cells</i> , 2009 , 9, 164-169	2.9	10
68	Effect of anode microstructure on the performance of micro tubular SOFCs. <i>Solid State Ionics</i> , 2009 , 180, 546-549	3.3	34
67	Design and Fabrication of a Novel Electrode-Supported Honeycomb SOFC. <i>Journal of the American Ceramic Society</i> , 2009 , 92, S107-S111	3.8	17
66	A Slurry Injection Method for the Fabrication of Multiple Microchannel SOFCs. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1002-1005	3.8	3
65	Evaluation of extruded cathode honeycomb monolith-supported SOFC under rapid start-up operation. <i>Electrochimica Acta</i> , 2009 , 54, 1478-1482	6.7	19
64	Impact of anode microstructure on solid oxide fuel cells. <i>Science</i> , 2009 , 325, 852-5	33.3	387
63	Effect of PAA-NH ₄ Dispersant on Dispersibility of Aqueous Pb(Zr, Ti)O ₃ Slurries and Piezoelectric Properties of Resultant Sintered Bodies. <i>Key Engineering Materials</i> , 2009 , 421-422, 103-106	0.4	
62	Low Temperature Operated SOFCs Using Ceria Based Electrolyte. <i>Electrochemistry</i> , 2009 , 77, 134-136	1.2	2
61	Development of Novel Honeycomb SOFCs for Intermediate Temperature Operation. <i>Electrochemistry</i> , 2009 , 77, 137-139	1.2	
60	Wet preparation and characterization of ScSZ thin film electrolyte on micro-cathode supports. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 139-142	1	2

59	Effect of microstructure on the conductivity of porous (La _{0.8} Sr _{0.2}) _{0.99} MnO ₃ . <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 895-898	1	4
58	Fabrication and evaluation of cathode-supported small scale SOFCs. <i>Materials Letters</i> , 2008 , 62, 1518-1520	3.9	32
57	Development of Microtubular SOFCs. <i>Journal of Fuel Cell Science and Technology</i> , 2008 , 5,		6
56	Fabrication and characterization of micro tubular SOFCs for advanced ceramic reactors. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 632-635	5.7	34
55	Fabrication and Characterization of Microtubular SOFCs with Multilayered Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, B87		8
54	Demonstration of the Rapid Start-Up Operation of Cathode-Supported SOFCs Using a Microtubular LSM Support. <i>Journal of the Electrochemical Society</i> , 2008 , 155, B1141	3.9	10
53	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> , 2008 , 155, B423	3.9	30
52	Development and Evaluation of a Cathode-Supported SOFC Having a Honeycomb Structure. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, B117		18
51	Effect of the Fuel Flow Rate on the Performance of the Chip-Type SOFC Module. <i>Journal of the Electrochemical Society</i> , 2008 , 155, B1296	3.9	2
50	Development of cube-type SOFC stacks using anode-supported tubular cells. <i>Journal of Power Sources</i> , 2008 , 175, 68-74	8.9	20
49	New Stack Design of Micro-tubular SOFCs for Portable Power Sources. <i>Fuel Cells</i> , 2008 , 8, 381-384	2.9	14
48	Cube-type micro SOFC stacks using sub-millimeter tubular SOFCs. <i>Journal of Power Sources</i> , 2008 , 183, 544-550	8.9	34
47	Synthesis of porous titania thin films using carbonatation reaction and its hydrophilic property. <i>Thin Solid Films</i> , 2008 , 516, 3888-3892	2.2	22
46	Fabrication and characterization of high performance cathode supported small-scale SOFC for intermediate temperature operation. <i>Electrochemistry Communications</i> , 2008 , 10, 1381-1383	5.1	51
45	Fabrication of needle-type micro SOFCs for micro power devices. <i>Electrochemistry Communications</i> , 2008 , 10, 1563-1566	5.1	38
44	The Properties and Performance of Micro-Tubular (Less Than 1 mm OD) Anode Supported SOFC for APU-Applications. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008 , 391-406	0.3	
43	Anode-supported micro tubular SOFCs for advanced ceramic reactor system. <i>Journal of Power Sources</i> , 2007 , 171, 92-95	8.9	39
42	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> , 2007 , 91, 346-349	3.8	22

41	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> , 2007 , 42, 381-387	2.3	41
40	Current collecting efficiency of micro tubular SOFCs. <i>Journal of Power Sources</i> , 2007 , 163, 737-742	8.9	66
39	Examination of wet coating and co-sintering technologies for micro-SOFCs fabrication. <i>Journal of Membrane Science</i> , 2007 , 300, 45-50	9.6	66
38	Development of Honeycomb-type SOFCs with Accumulated Multi Micro-cells. <i>ECS Transactions</i> , 2007 , 7, 657-662	1	5
37	Fabrication and Properties of Honeycomb-type SOFCs Accumulated with Multi Micro-cells. <i>ECS Transactions</i> , 2007 , 7, 651-656	1	5
36	Design and Fabrication of Lightweight, Submillimeter Tubular Solid Oxide Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, A177		58
35	Fabrication of Micro-Tubular SOFC Stack Using Ceramic Manifold. <i>ECS Transactions</i> , 2007 , 7, 477-482	1	1
34	Fabrication and characterization of micro tubular SOFCs for operation in the intermediate temperature. <i>Journal of Power Sources</i> , 2006 , 160, 73-77	8.9	137
33	Improvement of SOFC Performance Using a Microtubular, Anode-Supported SOFC. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A925	3.9	70
32	Fabrication and properties of Er-substituted BaNb ₂ O ₆ thin films through a chemical route. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 538-542	5.7	14
31	Low Temperature Recycling Process for Barium Titanate Based Waste. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 392-394		5
30	Touch sensor for micromanipulation with pipette using lead-free (K,Na)(Nb,Ta)O ₃ piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2005 , 98, 094505	2.5	14
29	Sintering and Piezoelectric Properties of Potassium Sodium Niobate Ceramics with Newly Developed Sintering Aid. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 258-263	1.4	112
28	Effect of Li Substitution on the Piezoelectric Properties of Potassium Sodium Niobate Ceramics. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 6136-6142	1.4	160
27	Orientation control of chemical solution deposited LaNiO ₃ thin films. <i>Thin Solid Films</i> , 2005 , 491, 78-81	2.2	16
26	Processing and Piezoelectric Properties of Lead-Free (K,Na) (Nb,Ta) O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1190-1196	3.8	400
25	Chemical solution processing and properties of Sr ₂ FeMoO ₆ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 295, 230-234	2.8	9
24	Properties of Sr ₂ FeMoO ₆ thin films fabricated by the chemical solution deposition method. <i>Solid State Communications</i> , 2005 , 133, 71-75	1.6	4

23	Synthesis and Catalytic Properties of the Electrochemical NO _x Reduction System. <i>Catalysis Letters</i> , 2005 , 103, 271-275	2.8	
22	Synthesis and Characterization of (K _{0.5} Na _{0.5})(Nb _{0.7} Ta _{0.3})O ₃ Piezoelectric Ceramics Sintered with Sintering Aid K _{5.4} Cu _{1.3} Ta ₁₀ O ₂₉ . <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 6618-6623	1.4	47
21	Sinterability and Piezoelectric Properties of (K,Na)NbO ₃ Ceramics with Novel Sintering Aid. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 7159-7163	1.4	191
20	Processing and Properties of Novel SrTiO ₃ Based Layered Film Varistor. <i>Key Engineering Materials</i> , 2004 , 264-268, 1129-1134	0.4	1
19	Synthesis and Processing of Barium Hexaaluminogallates. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1433-1438	3.8	5
18	Effects of Transition-Metal Substitution on the Catalytic Properties of Barium Hexaaluminogallate. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 909-914	3.8	3
17	Synthesis of Hexaaluminogallate Catalysts for NO _x Reduction. <i>Catalysis Letters</i> , 2004 , 97, 171-175	2.8	1
16	Synthesis and characterization of BaTiO ₃ -coated Ni particles. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 507-510	6	29
15	In-Situ Processing of Laminated Ceramic Composite for Electrochemical NO _x Reduction System. <i>Journal of the Ceramic Society of Japan</i> , 2004 , 112, 82-87		4
14	Processing and Properties of Rare Earth Ion-Doped Bismuth Titanate Thin Films by Chemical Solution Deposition method. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 5222-5226	1.4	36
13	Properties of Highly Oriented Rare-Earth-Ion-Substituted BaNb ₂ O ₆ Thin Films Synthesized by Chemical Solution Deposition. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 5913-5917	1.4	3
12	DeNO _x Properties of Barium Hexaaluminogallates.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 1-5		1
11	In Situ Formation of Ce-TZP/Ba Hexaaluminate Composites.. <i>Journal of the Ceramic Society of Japan</i> , 1999 , 107, 814-819		15
10	Electrical Properties of Ce _{0.8} Gd _{0.2} O _{1.9} Ceramics Prepared by an Aqueous Process. <i>Ceramic Engineering and Science Proceedings</i> , 95-103	0.1	
9	Formation of Gas Sealing and Current Collecting Layers for Honeycomb-Type SOFCs. <i>Ceramic Engineering and Science Proceedings</i> , 72-78	0.1	
8	Effects of Compositions and Microstructures of Thin Anode Layer on the Performance of Honeycomb SOFCs Accumulated with Multi Micro Channel Cells. <i>Ceramic Engineering and Science Proceedings</i> , 65-70	0.1	
7	The Properties and Performance of Micro-Tubular (Less than 1mm OD) Anode Supported Solid Oxide Fuel Cells. <i>Ceramic Engineering and Science Proceedings</i> , 29-39	0.1	
6	Development of Honeycomb-Type SOFC Integrated with Multi Micro Cells: Concept and Simulations 49-58		

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- 4 Development of Fabrication Technology for Honeycomb-Type SOFC with Integrated Multi Micro-Cells41-47
- 3 Use of Hydrocarbon Fuel for Micro Tubular SOFCs. *Ceramic Engineering and Science Proceedings*,107-112 O.1
- 2 Investigation of the Effects of NiO-ScSZ-Layer Insertion on the Current Collection and Catalytic Properties of ScSZ-based Micro-Tubular SOFC. *Ceramic Engineering and Science Proceedings*,15-20 O.1
- 1 Investigation of Ni-Yttria Stabilized Zirconia Anode for Solid-Oxide Fuel Cell using XAS Analysis. *Ceramic Engineering and Science Proceedings*,137-144 O.1