

# Yoshinobu Fujishiro

## 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.

199 papers	4,177 citations	35 h-index	56 g-index
212 ext. papers	4,480 ext. citations	4.3 avg, IF	5.21 L-index

#	Paper	IF	Citations
199	Impact of anode microstructure on solid oxide fuel cells. <i>Science</i> , <b>2009</b> , 325, 852-5	33.3	387
198	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
197	Preparation and characterization of the Sb-doped TiO <sub>2</sub> photocatalysts. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 949-955	4.3	132
196	Synthesis and microstructure of calcia doped ceria as UV filters. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 683-687	4.3	122
195	Intercalation of titanium oxide in layered H <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> and H <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> and photocatalytic water cleavage with H <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> /(TiO <sub>2</sub> ,Pt) and H <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> /(TiO <sub>2</sub> ,Pt) nanocomposites. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 3229-3234		114
194	Fabrication and characterization of components for cube shaped micro tubular SOFC bundle. <i>Journal of Power Sources</i> , <b>2007</b> , 163, 731-736	8.9	103
193	AC impedance characteristics for anode-supported microtubular solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2012</b> , 67, 159-165	6.7	75
192	Intercalation of iron oxide in layered H <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> and H <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> : visible-light induced photocatalytic properties. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1996</b> , 92, 5089		74
191	Preparation of needle-like hydroxyapatite by homogeneous precipitation under hydrothermal conditions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1993</b> , 57, 349-53	3.5	70
190	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
189	Current collecting efficiency of micro tubular SOFCs. <i>Journal of Power Sources</i> , <b>2007</b> , 163, 737-742	8.9	66
188	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
187	Crystallization of titania in liquid media and photochemical properties of crystallized titania. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 844-847	2.5	66
186	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-<math>\delta</math></sub> /Ce <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
185	Synthesis and photocatalytic properties of fibrous titania by solvothermal reactions. <i>Journal of Materials Processing Technology</i> , <b>2003</b> , 137, 45-48	5.3	60
184	Phase transformation of protonic layered tetratitanate under solvothermal conditions. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 1191-1195		60
183	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

182	Design and Fabrication of Lightweight, Submillimeter Tubular Solid Oxide Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, A177		58
181	Development of micro-tubular SOFCs with an improved performance via nano-Ag impregnation for intermediate temperature operation. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1918-1923	5.1	53
180	Synthesis of nanocrystalline manganese oxide powders: Influence of hydrogen peroxide on particle characteristics. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 4594-4601	2.5	52
179	Synthesis and photochemical properties of semiconductor pillared layered compounds. <i>Solid State Sciences</i> , <b>1999</b> , 1, 67-72		52
178	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
177	Coating of hydroxyapatite on metal plates using thermal dissociation of calcium-EDTA chelate in phosphate solutions under hydrothermal conditions. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1995</b> , 6, 172-176	4.5	51
176	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
175	Synthesis of monodispersed LaPO <sub>4</sub> particles using the hydrothermal reaction of an La(edta) <sup>3-</sup> chelate precursor and phosphate ions. <i>Journal of Alloys and Compounds</i> , <b>1997</b> , 252, 103-109	5.7	49
174	Synthesis of cadmium sulfide pillared layered compounds and photocatalytic reduction of nitrate under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 179, 139-144	5.1	47
173	Photocatalytic properties of layered hydrous titanium oxide/CdS/ZnS nanocomposites incorporating CdS/ZnS into the interlayer. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1996</b> , 67, 339-344	3.5	45
172	Effect of grain boundaries on the magnetoresistance of magnetite. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	44
171	Coating of Hydroxyapatite on Titanium Plates Using Thermal Dissociation of Calcium-EDTA Chelate Complex in Phosphate Solutions under Hydrothermal Conditions. <i>Journal of Colloid and Interface Science</i> , <b>1995</b> , 173, 119-127	9.3	44
170	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
169	Hydrothermal synthesis of K <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> . <i>Journal of Materials Science</i> , <b>1998</b> , 33, 5125-5129	4.3	42
168	High-pressure form of (VO) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> : A spin-1/2 antiferromagnetic alternating-chain compound with one kind of chain and a single spin gap. <i>Physical Review B</i> , <b>1999</b> , 60, 10145-10149	3.3	40
167	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
166	Fabrication of needle-type micro SOFCs for micro power devices. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 1563-1566	5.1	38
165	Structural Study of the Quantum-Spin Chain Compound (VO) <sub>2</sub> P <sub>2</sub> O <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 146, 369-379	3.3	36

164	Quantitative rates of in vivo bone generation for Bioglass and hydroxyapatite particles as bone graft substitute. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1997</b> , 8, 649-52	4.5	35
163	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
162	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
161	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
160	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
159	Coating of CaTiO <sub>3</sub> on titanium substrates by hydrothermal reactions using calcium-ethylene diamine tetra acetic acid chelate. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1998</b> , 9, 363-7	4.5	32
158	Fabrication and evaluation of cathode-supported small scale SOFCs. <i>Materials Letters</i> , <b>2008</b> , 62, 1518-1520	3.9	32
157	Low-Temperature NO <sub>x</sub> Decomposition Using an Electrochemical Reactor. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, E109	3.9	32
156	Study of steam electrolysis using a microtubular ceramic reactor. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 1159-1165	6.7	30
155	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
154	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
153	Synthesis and photocatalytic properties of HNbWO <sub>6</sub> /TiO <sub>2</sub> and HNbWO <sub>6</sub> /Fe <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1999</b> , 128, 129-133	4.7	29
152	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-δ</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
151	Morphology control and electrochemical properties of LiFePO <sub>4</sub> /C composite cathode for lithium ion batteries. <i>Solid State Ionics</i> , <b>2012</b> , 225, 560-563	3.3	28
150	Non-alkaline glass/MgO composites for SOFC sealant. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 1311-1314	8.9	28
149	Effect of Microstructural Control on Thermoelectric Properties of Hot-Pressed Aluminum-Doped Zinc Oxide. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 2063-2066	3.8	28
148	Synthesis and photocatalytic properties of titania pillared H <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> using titanyl acylate precursor. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 2835-2838		28
147	Impact of direct butane microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2012</b> , 220, 74-78	8.9	27

146	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
145	Synthesis and thermoelectric characterization of polycrystalline Ni <sub>1-x</sub> Ca <sub>x</sub> Co <sub>2</sub> O <sub>4</sub> (x=0.05) spinel materials. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2004</b> , 15, 769-773	2.1	23
144	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
143	Photochemical Reduction of Nitrate to Ammonia Using Layered Hydrous Titanate/Cadmium Sulphide Nanocomposites. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1996</b> , 67, 345-349	3.5	22
142	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
141	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
140	Electrochemical reactors for NO decomposition. Basic aspects and a future. <i>Ionics</i> , <b>2009</b> , 15, 285-299	2.7	21
139	Synthesis and photocatalytic properties of HTaWO <sub>6</sub> /(Pt,TiO <sub>2</sub> ) and HTaWO <sub>6</sub> /(Pt,Fe <sub>2</sub> O <sub>3</sub> ) nanocomposites. <i>Solid State Sciences</i> , <b>1999</b> , 1, 253-258		21
138	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
137	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
136	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
135	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
134	The electrochemical cell temperature estimation of micro-tubular SOFCs during the power generation. <i>Journal of Power Sources</i> , <b>2008</b> , 181, 244-250	8.9	19
133	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
132	Electrochemical and microstructural properties of Ni <sub>0.9</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
131	Prevention of Reaction between (Ba,Sr)(Co,Fe)O <sub>3</sub> Cathodes and Ytria-stabilized Zirconia Electrolytes for Intermediate-temperature Solid Oxide Fuel Cells. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 403-409	6.7	17
130	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
129	Effects of Pressurization on Cell Performance of a Microtubular SOFC with Sc-Doped Zirconia Electrolyte. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B587	3.9	17

- 128 Preparation and compressive strength of strontium calcium phosphate based cement dispersed with ceramic particles. *Ceramics International*, **2004**, 30, 199-203 5.1 17
- 127 Hydrothermal synthesis of  $\text{SrTeSnMnO}$  mixed oxidic/stannate pyrochlore and its catalytic performance for NO reduction. *Materials Chemistry and Physics*, **2009**, 116, 273-278 4.4 16
- 126 Development of novel micro flat-tube solid-oxide fuel cells. *Electrochemistry Communications*, **2011**, 13, 719-722 5.1 16
- 125 Synthesis and characterization of  $\text{Sm}^{3+}$ -doped  $\text{Y}(\text{OH})_3$  and  $\text{Y}_2\text{O}_3$  nanowires and their NO reduction activity. *Journal of Alloys and Compounds*, **2009**, 476, 335-340 5.7 16
- 124 Characterization of Thermoelectric Metal Oxide Elements Prepared by the Pulse Electric-Current Sintering Method. *Journal of the American Ceramic Society*, **2005**, 87, 1890-1894 3.8 16
- 123 Coating of hydroxyapatite on various substrates via hydrothermal reactions of  $\text{Ca}(\text{edta})^{2-}$  and phosphate. *Journal of Materials Science: Materials in Medicine*, **2001**, 12, 333-7 4.5 16
- 122 Electrochemical analysis for anode-supported microtubular solid oxide fuel cells in partial reducing and oxidizing conditions. *Solid State Ionics*, **2014**, 262, 407-410 3.3 15
- 121 One-step sintering process of gadolinia-doped ceria interlayer/candia-stabilized zirconia electrolyte for anode supported microtubular solid oxide fuel cells. *Journal of Power Sources*, **2012**, 199, 170-173 8.9 15
- 120 Intermediate Temperature Electrochemical Reactor for  $\text{NO}_x$  Decomposition. *Journal of the Electrochemical Society*, **2006**, 153, D167 3.9 15
- 119 Improved transport property of proton-conducting solid oxide fuel cell with multi-layered electrolyte structure. *Journal of Power Sources*, **2017**, 364, 458-464 8.9 14
- 118 New Stack Design of Micro-tubular SOFCs for Portable Power Sources. *Fuel Cells*, **2008**, 8, 381-384 2.9 14
- 117 Performance of  $\text{Ni/Be}$ /gadolinium-doped  $\text{CeO}_2$  anode supported tubular solid oxide fuel cells using steam reforming of methane. *Journal of Power Sources*, **2012**, 202, 225-229 8.9 13
- 116 Low temperature densification process of solid-oxide fuel cell electrolyte controlled by anode support shrinkage. *RSC Advances*, **2011**, 1, 911 3.7 13
- 115 Fabrication and evaluation of a novel cathode-supported honeycomb SOFC stack. *Materials Letters*, **2009**, 63, 2577-2580 3.3 13
- 114 Perovskites with cotton-like morphology consisting of nanoparticles and nanorods: Their synthesis by the combustion method and their  $\text{NO}_x$  adsorption behavior. *Applied Catalysis A: General*, **2009**, 361, 86-92 5.1 13
- 113 Simultaneous removal of nitrogen oxides and diesel soot particulate in nano-structured electrochemical reactor. *Solid State Ionics*, **2006**, 177, 2297-2300 3.3 13
- 112 Optimization of Configuration for Cube-Shaped SOFC Bundles. *ECS Transactions*, **2007**, 7, 643-649 1 13
- 111 Highly active and durable  $\text{La}_{0.4}\text{Sr}_{0.6}\text{MnO}_{3-\delta}$  and  $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$  nanocomposite electrode for high-temperature reversible solid oxide electrochemical cells. *Ceramics International*, **2020**, 46, 19617-19623 5.1 12



110	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
109	Proton conduction of MO-P <sub>2</sub> O <sub>5</sub> glasses (M = Zn, Ba) containing a large amount of water. <i>Solid State Sciences</i> , <b>2015</b> , 45, 5-8	3.4	11
108	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
107	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
106	Development of Evaluation Technologies for Microtubular SOFCs Under Pressurized Conditions. <i>Journal of Fuel Cell Science and Technology</i> , <b>2008</b> , 5,		11
105	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
104	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
103	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
102	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
101	Simulation Study for the Optimization of Microtubular Solid Oxide Fuel Cell Bundles. <i>Journal of Fuel Cell Science and Technology</i> , <b>2010</b> , 7,		10
100	Wet Atomisation of Gd-doped CeO <sub>2</sub> Electrolyte Slurries for Intermediate TemperaturesO Microtubular SOFC Applications. <i>Fuel Cells</i> , <b>2009</b> , 9, 164-169	2.9	10
99	Energy efficiency of a microtubular solid-oxide fuel cell. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5485-5489	8.9	10
98	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
97	Investigation of the microstructural effect of Ni <sub>0.4</sub> Al <sub>0.6</sub> Ti <sub>0.2</sub> O <sub>3</sub> 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
96	Recent Development of Microceramic Reactors for Advanced Ceramic Reactor System. <i>Journal of Fuel Cell Science and Technology</i> , <b>2010</b> , 7,		9
95	Development of co-sintering process for anode-supported solid oxide fuel cells with gadolinia-doped ceria/lanthanum silicate bi-layer electrolyte. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 23377-23383	6.7	8
94	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
93	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

92	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
91	Tubular Solid Oxide Electrolysis Cell for NO <sub>x</sub> Decomposition. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, B1050	3.9	8
90	Fabrication and Characterization of Microtubular SOFCs with Multilayered Electrolyte. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, B87		8
89	Reduction and Reoxidation Reaction of Catalytic Layers in Electrochemical Cells for NO <sub>x</sub> Decomposition. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, F172	3.9	8
88	Pt-YSZ Cathode for Electrochemical Cells with Multilayer Functional Electrode. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, J95	3.9	8
87	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
86	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
85	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
84	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
83	New Fabrication Technique for Series-Connected Stack With Micro Tubular SOFCs. <i>Fuel Cells</i> , <b>2009</b> , 9, 711-716	2.9	7
82	Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol. <i>Journal of Supercritical Fluids</i> , <b>1998</b> , 13, 363-368	4.2	7
81	Advances in Nano-Structured Electrochemical Reactors for NO <sub>x</sub> Treatment in the Presence of Oxygen. <i>International Journal of Applied Ceramic Technology</i> , <b>2005</b> , 1, 277-286	2	7
80	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
79	Proton conductivities and structures of BaO <sub>1-x</sub> Na <sub>x</sub> P <sub>2</sub> O <sub>5</sub> glasses in the ultraphosphate region for intermediate temperature fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 15354-15360	6.7	6
78	Microtubular solid-oxide fuel cells for low-temperature operation. <i>MRS Bulletin</i> , <b>2014</b> , 39, 805-809	3.2	6
77	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
76	Development of Microtubular SOFCs. <i>Journal of Fuel Cell Science and Technology</i> , <b>2008</b> , 5,		6
75	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



74	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
73	Power Generation Properties of Microtubular Solid Oxide Fuel Cell Bundle Under Pressurized Conditions. <i>Journal of Fuel Cell Science and Technology</i> , <b>2011</b> , 8,		5
72	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
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7	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-Cells 41-47	
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