Yoshinobu Fujishiro

List of Publications by Year
in descending order

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204	4,993	81900	118850
papers	citations	39 h-index	62 g-index

214	214	214	3727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of Anode Microstructure on Solid Oxide Fuel Cells. Science, 2009, 325, 852-855.	12.6	423
2	Preparation and characterization of the Sb-doped TiO2 photocatalysts. Journal of Materials Science, 2001, 36, 949-955.	3.7	149
3	Fabrication and characterization of micro tubular SOFCs for operation in the intermediate temperature. Journal of Power Sources, 2006, 160, 73-77.	7.8	148
4	Intercalation of titanium oxide in layered H2Ti4O9 and H4Nb6O17 and photocatalytic water cleavage with H2Ti4O9/(TiO2, Pt) and H4Nb6O17/(TiO2, Pt) nanocomposites. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3229-3234.	1.7	138
5	Synthesis and microstructure of calcia doped ceria as UV filters. Journal of Materials Science, 2002, 37, 683-687.	3.7	128
6	Fabrication and characterization of components for cube shaped micro tubular SOFC bundle. Journal of Power Sources, 2007, 163, 731-736.	7.8	114
7	AC impedance characteristics for anode-supported microtubular solid oxide fuel cells. Electrochimica Acta, 2012, 67, 159-165.	5.2	96
8	Intercalation of iron oxide in layered H2Ti4O9 and H4Nb6O17: visible-light induced photocatalytic properties. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 5089.	1.7	92
9	Degradation evaluation by distribution of relaxation times analysis for microtubular solid oxide fuel cells. Electrochimica Acta, 2020, 339, 135913.	5.2	84
10	Preparation of needleâ€like hydroxyapatite by homogeneous precipitation under hydrothermal conditions. Journal of Chemical Technology and Biotechnology, 1993, 57, 349-353.	3.2	83
11	Nanocomposite electrodes for high current density over 3â€‰Aâ€‰cmâ¯2 in solid oxide electrolysis cells. Nature Communications, 2019, 10, 5432.	12.8	79
12	Improvement of SOFC Performance Using a Microtubular, Anode-Supported SOFC. Journal of the Electrochemical Society, 2006, 153, A925.	2.9	77
13	Examination of wet coating and co-sintering technologies for micro-SOFCs fabrication. Journal of Membrane Science, 2007, 300, 45-50.	8.2	75
14	High performance of La0.6Sr0.4Co0.2Fe0.8O3â€“Ce0.9Gd0.1O1.95 nanoparticulate cathode for intermediate temperature microtubular solid oxide fuel cells. Journal of Power Sources, 2013, 226, 354-358.	7.8	74
15	Crystallization of titania in liquid media and photochemical properties of crystallized titania. Journal of Materials Research, 1998, 13, 844-847.	2.6	73
16	Current collecting efficiency of micro tubular SOFCs. Journal of Power Sources, 2007, 163, 737-742.	7.8	68
17	Synthesis and photocatalytic properties of fibrous titania by solvothermal reactions. Journal of Materials Processing Technology, 2003, 137, 45-48.	6.3	66
18	A functional layer for direct use of hydrocarbonfuel in low temperature solid-oxidefuelcells. Energy and Environmental Science, 2011, 4, 940-943.	30.8	64

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19	Phase transformation of protonic layered tetratitanate under solvothermal conditions. Journal of Materials Chemistry, 1999, 9, 1191-1195.	6.7	62
20	Challenge for lowering concentration polarization in solid oxide fuel cells. Journal of Power Sources, 2016, 302, 53-60.	7.8	60
21	Photocatalytic Properties of Layered Hydrous Titanium Oxide/CdS-ZnS Nanocomposites IncorporatingCdS-ZnS into the Interlayer. Journal of Chemical Technology and Biotechnology, 1996, 67, 339-344.	3.2	59
22	Synthesis of nanocrystalline manganese oxide powders: Influence of hydrogen peroxide on particle characteristics. Journal of Materials Research, 1999, 14, 4594-4601.	2.6	59
23	Coating of hydroxyapatite on metal plates using thermal dissociation of calcium-EDTA chelate in phosphate solutions under hydrothermal conditions. Journal of Materials Science: Materials in Medicine, 1995, 6, 172-176.	3.6	58
24	Design and Fabrication of Lightweight, Submillimeter Tubular Solid Oxide Fuel Cells. Electrochemical and Solid-State Letters, 2007, 10, A177.	2.2	58
25	Fabrication and characterization of high performance cathode supported small-scale SOFC for intermediate temperature operation. Electrochemistry Communications, 2008, 10, 1381-1383.	4.7	56
26	Synthesis and photochemical properties of semiconductor pillared layered compounds. Solid State Sciences, 1999, 1, 67-72.	0.7	55
27	Synthesis of cadmium sulfide pillared layered compounds and photocatalytic reduction of nitrate under visible light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 179, 139-144.	4.7	55
28	Development of micro-tubular SOFCs with an improved performance via nano-Ag impregnation for intermediate temperature operation. Electrochemistry Communications, 2007, 9, 1918-1923.	4.7	55
29	Synthesis of monodispersed LaPO4 particles using the hydrothermal reaction of an La(edta)â^' chelate precursor and phosphate ions. Journal of Alloys and Compounds, 1997, 252, 103-109.	5.5	54
30	Coating of Hydroxyapatite on Titanium Plates Using Thermal Dissociation of Calcium-EDTA Chelate Complex in Phosphate Solutions under Hydrothermal Conditions. Journal of Colloid and Interface Science, 1995, 173, 119-127.	9.4	50
31	Hydrothermal synthesis of K4Nb6O17. Journal of Materials Science, 1998, 33, 5125-5129.	3.7	47
32	Effect of grain boundaries on the magnetoresistance of magnetite. Physical Review B, 2005, 72, .	3.2	46
33	Effect of Ni diffusion into BaZr0.1Ce0.7Y0.1Yb0.1O3â^' electrolyte during high temperature co-sintering in anode-supported solid oxide fuel cells. Ceramics International, 2018, 44, 3134-3140.	4.8	44
34	Quantitative rates of in vivo bone generation for Bioglass and hydroxyapatite particles as bone graft substitute. Journal of Materials Science: Materials in Medicine, 1997, 8, 649-652.	3.6	43
35	High-pressure form of(VO)2P2O7: A spin-12antiferromagnetic alternating-chain compound with one kind of chain and a single spin gap. Physical Review B, 1999, 60, 10145-10149.	3.2	43
36	High power density cell using nanostructured Sr-doped SmCoO3 and Sm-doped CeO2 composite powder synthesized by spray pyrolysis. Journal of Power Sources, 2016, 302, 308-314.	7.8	43

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37	Anode-supported micro tubular SOFCs for advanced ceramic reactor system. Journal of Power Sources, 2007, 171, 92-95.	7.8	40
38	Fabrication and characterization of micro tubular SOFCs for advanced ceramic reactors. Journal of Alloys and Compounds, 2008, 451, 632-635.	5.5	40
39	Structural Study of the Quantum-Spin Chain Compound (VO)2P2O7. Journal of Solid State Chemistry, 1999, 146, 369-379.	2.9	39
40	Fabrication of needle-type micro SOFCs for micro power devices. Electrochemistry Communications, 2008, 10, 1563-1566.	4.7	39
41	Effect of anode microstructure on the performance of micro tubular SOFCs. Solid State Ionics, 2009, 180, 546-549.	2.7	37
42	Impact of direct butane microtubular solid oxide fuel cells. Journal of Power Sources, 2012, 220, 74-78.	7.8	37
43	Coating of CaTiO3 on titanium substrates by hydrothermal reactions using calcium-ethylene diamine tetra acetic acid chelate. Journal of Materials Science: Materials in Medicine, 1998, 9, 363-367.	3.6	36
44	Cube-type micro SOFC stacks using sub-millimeter tubular SOFCs. Journal of Power Sources, 2008, 183, 544-550.	7.8	36
45	Synthesis and photocatalytic properties of HNbWO6/TiO2 and HNbWO6/Fe2O3 nanocomposites. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 128, 129-133.	3.9	35
46	Fabrication and evaluation of cathode-supported small scale SOFCs. Materials Letters, 2008, 62, 1518-1520.	2.6	35
47	Extremely fine structured cathode for solid oxide fuel cells using Sr-doped LaMnO3 and Y2O3-stabilized ZrO2 nano-composite powder synthesized by spray pyrolysis. Journal of Power Sources, 2017, 341, 280-284.	7.8	34
48	Non-alkaline glassâ€“MgO composites for SOFC sealant. Journal of Power Sources, 2008, 185, 1311-1314.	7.8	33
49	Evaluation of Micro LSM-Supported GDC/ScSZ Bilayer Electrolyte with LSMâ€“GDC Activation Layer for Intermediate Temperature-SOFCs. Journal of the Electrochemical Society, 2008, 155, B423.	2.9	33
50	Synthesis and photocatalytic properties of titania pillared H4Nb6O17 using titanyl acylate precursor. Journal of Materials Chemistry, 1998, 8, 2835-2838.	6.7	32
51	Low-Temperature NO[sub x] Decomposition Using an Electrochemical Reactor. Journal of the Electrochemical Society, 2008, 155, E109.	2.9	32
52	Study of steam electrolysis using a microtubular ceramic reactor. International Journal of Hydrogen Energy, 2009, 34, 1159-1165.	7.1	32
53	Effect of Microstructural Control on Thermoelectric Properties of Hotâ€Pressed Aluminumâ€Doped Zinc Oxide. Journal of the American Ceramic Society, 2003, 86, 2063-2066.	3.8	31
54	Fabrication of micro-tubular solid oxide fuel cells with a single-grain-thick yttria stabilized zirconia electrolyte. Journal of Power Sources, 2010, 195, 7825-7828.	7.8	31

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55	Morphology control and electrochemical properties of LiFePO4/C composite cathode for lithium ion batteries. Solid State Ionics, 2012, 225, 560-563.	2.7	31
56	Synthesis and thermoelectric characterization of polycrystalline Ni1-xCaxCo2O4(x=0â€“0.05) spinel materials. Journal of Materials Science: Materials in Electronics, 2004, 15, 769-773.	2.2	29
57	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
58	Effect of nanostructured anode functional layer thickness on the solid-oxide fuel cell performance in the intermediate temperature. International Journal of Hydrogen Energy, 2014, 39, 19731-19736.	7.1	27
59	Photochemical Reduction of Nitrate to Ammonia Using Layered Hydrous Titanate/Cadmium Sulphide Nanocomposites. Journal of Chemical Technology and Biotechnology, 1996, 67, 345-349.	3.2	26
60	Development of cube-type SOFC stacks using anode-supported tubular cells. Journal of Power Sources, 2008, 175, 68-74.	7.8	25
61	Electrochemical reactors for NO decomposition. Basic aspects and a future. Ionics, 2009, 15, 285-299.	2.4	25
62	Effect of anode functional layer on energy efficiency of solid oxide fuel cells. Electrochemistry Communications, 2011, 13, 959-962.	4.7	25
63	Highly active and durable La0.4Sr0.6MnO3â^' and Ce0.8Gd0.2O1.9 nanocomposite electrode for high-temperature reversible solid oxide electrochemical cells. Ceramics International, 2020, 46, 19617-19623.	4.8	25
64	Effects of Anode Microstructure on Mechanical and Electrochemical Properties for Anodeâ€Supported Microtubular Solid Oxide Fuel Cells. Journal of the American Ceramic Society, 2013, 96, 3584-3588.	3.8	24
65	Prevention of Reaction between (Ba,Sr)(Co,Fe)O3 Cathodes and Yttria-stabilized Zirconica Electrolytes for Intermediate-temperature Solid Oxide Fuel Cells. Electrochimica Acta, 2015, 184, 403-409.	5.2	24
66	Development of a Dense Electrolyte Thin Film by the Inkâ€Jet Printing Technique for a Porous LSM Substrate. Journal of the American Ceramic Society, 2008, 91, 346-349.	3.8	23
67	Synthesis and photocatalytic properties of HTaWO6/(Pt,TiO2) and HTaWO6/(Pt,Fe2O3) nanocomposites. Solid State Sciences, 1999, 1, 253-258.	0.7	22
68	Design and Fabrication of a Novel Electrode-Supported Honeycomb SOFC. Journal of the American Ceramic Society, 2009, 92, S107-S111.	3.8	22
69	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
70	Evaluation of extruded cathode honeycomb monolith-supported SOFC under rapid start-up operation. Electrochimica Acta, 2009, 54, 1478-1482.	5.2	21
71	Coating of hydroxyapatite on various substrates via hydrothermal reactions of Ca(edta)2- and phosphate. Journal of Materials Science: Materials in Medicine, 2001, 12, 333-337.	3.6	20
72	Preparation and compressive strength of Î±-tricalcium phosphate based cement dispersed with ceramic particles. Ceramics International, 2004, 30, 199-203.	4.8	20

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73	Effects of Pressurization on Cell Performance of a Microtubular SOFC with Sc-Doped Zirconia Electrolyte. Journal of the Electrochemical Society, 2008, 155, B587.	2.9	20
74	Development and Evaluation of a Cathode-Supported SOFC Having a Honeycomb Structure. Electrochemical and Solid-State Letters, 2008, 11, B117.	2.2	20
75	The electrochemical cell temperature estimation of micro-tubular SOFCs during the power generation. Journal of Power Sources, 2008, 181, 244-250.	7.8	19
76	Hydrothermal synthesis of Srâ€“Ceâ€“Snâ€“Mnâ€“O mixed oxidic/stannate pyrochlore and its catalytic performance for NO reduction. Materials Chemistry and Physics, 2009, 116, 273-278.	4.0	19
77	Electrochemical analysis for anode-supported microtubular solid oxide fuel cells in partial reducing and oxidizing conditions. Solid State Ionics, 2014, 262, 407-410.	2.7	19
78	Electrochemical and microstructural properties of Niâ€“(Y2O3)0.08(ZrO2)0.92â€“(Ce0.9Gd0.1)O1.95 anode-supported microtubular solid oxide fuel cells. Solid State Ionics, 2016, 285, 227-233.	2.7	19
79	Development of novel micro flat-tube solid-oxide fuel cells. Electrochemistry Communications, 2011, 13, 719-722.	4.7	18
80	One-step sintering process of gadolinia-doped ceria interlayerâ€“scandia-stabilized zirconia electrolyte for anode supported microtubular solid oxide fuel cells. Journal of Power Sources, 2012, 199, 170-173.	7.8	18
81	Characterization of Thermoelectric Metal Oxide Elements Prepared by the Pulse Electricâ€Current Sintering Method. Journal of the American Ceramic Society, 2004, 87, 1890-1894.	3.8	17
82	Intermediate Temperature Electrochemical Reactor for NO[sub x] Decomposition. Journal of the Electrochemical Society, 2006, 153, D167.	2.9	17
83	New Stack Design of Microâ€tubular SOFCs for Portable Power Sources. Fuel Cells, 2008, 8, 381-384.	2.4	17
84	Synthesis and characterization of Sm3+-doped Y(OH)3 and Y2O3 nanowires and their NO reduction activity. Journal of Alloys and Compounds, 2009, 476, 335-340.	5.5	17
85	Low temperature densification process of solid-oxide fuel cell electrolyte controlled by anode support shrinkage. RSC Advances, 2011, 1, 911.	3.6	17
86	Development of anode-supported electrochemical cell based on proton-conductive Ba(Ce,Zr)O3 electrolyte. Solid State Ionics, 2016, 288, 347-350.	2.7	17
87	Effect of Ni content on CO2 methanation performance with tubular-structured Ni-YSZ catalysts and optimization of catalytic activity for temperature management in the reactor. International Journal of Hydrogen Energy, 2020, 45, 12911-12920.	7.1	17
88	Fabrication and evaluation of a novel cathode-supported honeycomb SOFC stack. Materials Letters, 2009, 63, 2577-2580.	2.6	16
89	Performance of the Micro-SOFC Module Using Submillimeter Tubular Cells. Journal of the Electrochemical Society, 2009, 156, B318.	2.9	15
90	Simultaneous removal of nitrogen oxides and diesel soot particulate in nano-structured electrochemical reactor. Solid State Ionics, 2006, 177, 2297-2300.	2.7	14

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91	Performance of Niâ€“Fe/gadolinium-doped CeO2 anode supported tubular solid oxide fuel cells using steam reforming of methane. Journal of Power Sources, 2012, 202, 225-229.	7.8	14
92	Proton conduction of MO-P2O5 glasses (MÂ=ÂZn, Ba) containing a large amount of water. Solid State Sciences, 2015, 45, 5-8.	3.2	14
93	Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol for Anodeâ€supported Microtubular Solid Oxide Fuel Cells. Fuel Cells, 2017, 17, 875-881.	2.4	14
94	Optimization of Configuration for Cube-Shaped SOFC Bundles. ECS Transactions, 2007, 7, 643-649.	0.5	13
95	Development of Evaluation Technologies for Microtubular SOFCs Under Pressurized Conditions. Journal of Fuel Cell Science and Technology, 2008, 5, .	0.8	13
96	Fabrication and Characterization of Microtubular SOFCs with Multilayered Electrolyte. Electrochemical and Solid-State Letters, 2008, 11, B87.	2.2	13
97	Perovskites with cotton-like morphology consisting of nanoparticles and nanorods: Their synthesis by the combustion method and their NOx adsorption behavior. Applied Catalysis A: General, 2009, 361, 86-92.	4.3	13
98	Simulation Study for the Optimization of Microtubular Solid Oxide Fuel Cell Bundles. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	13
99	Advances in Nanoâ€Structured Electrochemical Reactors for NO_x Treatment in the Presence of Oxygen. International Journal of Applied Ceramic Technology, 2004, 1, 277-286.	2.1	12
100	Demonstration of the Rapid Start-Up Operation of Cathode-Supported SOFCs Using a Microtubular LSM Support. Journal of the Electrochemical Society, 2008, 155, B1141.	2.9	12
101	Effects of anode microstructures on durability of microtubular solid oxide fuel cells during internal steam reforming of methane. Electrochemistry Communications, 2014, 49, 34-37.	4.7	12
102	Correlation between Dissolved Protons in Nickel-Doped BaZr_{0.1}Ce_{0.7}Y_{0.1}Yb_{0.1}O_{3â^'Î´} and Its Electrical Conductive Properties. Inorganic Chemistry, 2017, 56, 11876-11882.	4.0	12
103	Development of co-sintering process for anode-supported solid oxide fuel cells with gadolinia-doped ceria/lanthanum silicate bi-layer electrolyte. International Journal of Hydrogen Energy, 2019, 44, 23377-23383.	7.1	12
104	Wet Atomisation of Gdâ€doped CeO₂ Electrolyte Slurries for Intermediate Temperatures' Microtubular SOFC Applications. Fuel Cells, 2009, 9, 164-169.	2.4	11
105	Recent Development of Microceramic Reactors for Advanced Ceramic Reactor System. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	11
106	Decomposition reaction of BaZr_{0.1}Ce_{0.7}Y_{0.1}Yb_{0.1}O<sub>3&a in carbon dioxide atmosphere with nickel sintering aid. Journal of the Ceramic Society of Japan, 2017, 125, 247-251.	1.1	11
107	Pt-YSZ Cathode for Electrochemical Cells with Multilayer Functional Electrode. Journal of the Electrochemical Society, 2004, 151, J95.	2.9	10
108	Low temperature processed composite cathodes for Solid-oxide fuel Cells. International Journal of Hydrogen Energy, 2011, 36, 10998-11003.	7.1	10

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109	Energy efficiency of a microtubular solid-oxide fuel cell. Journal of Power Sources, 2011, 196, 5485-5489.	7.8	10
110	Tubular Solid Oxide Electrolysis Cell for NOx Decomposition. Journal of the Electrochemical Society, 2011, 158, B1050.	2.9	10
111	Investigation of the microstructural effect of Niâ€“yttria stabilized zirconia anode for solid-oxide fuel cell using micro-beam X-ray absorption spectroscopy analysis. Journal of Power Sources, 2013, 222, 15-20.	7.8	10
112	Effect of Operating Temperature on Durability for Direct Butane Utilization of Microtubular Solid Oxide Fuel Cells. Electrochemistry, 2013, 81, 86-91.	1.4	10
113	Direct hydrocarbon utilization in microtubular solid oxide fuel cells. Journal of the Ceramic Society of Japan, 2015, 123, 213-216.	1.1	10
114	Characterization of ceria and yttria co-doped zirconia/alumina composites crystallized in supercritical methanol. Journal of Supercritical Fluids, 1998, 13, 363-368.	3.2	9
115	Reduction and Reoxidation Reaction of Catalytic Layers in Electrochemical Cells for NO[sub x] Decomposition. Journal of the Electrochemical Society, 2007, 154, F172.	2.9	9
116	Near room temperature synthesis of perovskite oxides. Ceramics International, 2019, 45, 24936-24940.	4.8	9
117	High-performance Gd0.5Sr0.5CoO3â^' and Ce0.8Gd0.2O1.9 nanocomposite cathode for achieving high power density in solid oxide fuel cells. Electrochimica Acta, 2021, 368, 137679.	5.2	9
118	Effects of Anode Microstructure on the Performances of Cathode-Supported Micro-SOFCs. Electrochemical and Solid-State Letters, 2009, 12, B151.	2.2	8
119	A reduced temperature solid oxide fuel cell with three-dimensionally ordered macroporous cathode. Journal of Power Sources, 2012, 212, 86-92.	7.8	8
120	Proton conductivities and structures of BaOâ€“ZnOâ€“P2O5 glasses in the ultraphosphate region for intermediate temperature fuel cells. International Journal of Hydrogen Energy, 2013, 38, 15354-15360.	7.1	8
121	Experimental and Simulated Evaluations of Current Collection Losses in Anode-Supported Microtubular Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2013, 160, F1232-F1236.	2.9	8
122	Fabrication of Electrode-Supported Type Electrochemical Cell for NOx Decomposition.. Journal of the Ceramic Society of Japan, 2002, 110, 591-596.	1.3	7
123	New Fabrication Technique for Seriesâ€Connected Stack With Micro Tubular SOFCs. Fuel Cells, 2009, 9, 711-716.	2.4	7
124	Power Generation Properties of Microtubular Solid Oxide Fuel Cell Bundle Under Pressurized Conditions. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	7
125	Microtubular solid-oxide fuel cells for low-temperature operation. MRS Bulletin, 2014, 39, 805-809.	3.5	7
126	Evaluation of micro flat-tube solid-oxide fuel cell modules using simple gas heating apparatus. Journal of Power Sources, 2014, 272, 730-734.	7.8	7

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127	Dissociation behavior of protons incorporated in yttrium doped barium zirconate. Journal of Solid State Chemistry, 2017, 252, 22-27.	2.9	7
128	Development of a Portable SOFC System with Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol. ECS Transactions, 2017, 80, 71-77.	0.5	7
129	High Selective deNOx Electrochemical Cell with Self-Assembled Electro-Catalytic Electrode. Journal of Electroceramics, 2004, 13, 865-870.	2.0	6
130	Development of Microtubular SOFCs. Journal of Fuel Cell Science and Technology, 2008, 5, .	0.8	6
131	Effect of the adding ferrum in nickel/GDC anode-supported solid-oxide fuel cell in the intermediate temperature. International Journal of Hydrogen Energy, 2011, 36, 10975-10980.	7.1	6
132	Effect of starting solution concentration in spray pyrolysis on powder properties and electrochemical electrode performance. Advanced Powder Technology, 2016, 27, 1438-1445.	4.1	6
133	Development of Honeycomb-type SOFCs with Accumulated Multi Micro-cells. ECS Transactions, 2007, 7, 657-662.	0.5	5
134	Fabrication and Properties of Honeycomb-type SOFCs Accumulated with Multi Micro-cells. ECS Transactions, 2007, 7, 651-656.	0.5	5
135	Polarization Properties of an Intermediate Temperature Operated Ceramic Reactor in Power Generating Mode. ECS Transactions, 2007, 7, 609-613.	0.5	5
136	Investigation of shrinkage behavior of Niâ€“Fe bimetallic anode tube support and the densification of electrolyte using co-sintering temperature. Journal of Power Sources, 2011, 196, 9124-9129.	7.8	5
137	Performance of Niâ€based Anodeâ€Supported <scp>SOFC</scp>s with Doped Ceria Electrolyte at Low Temperatures Between 294 and 542Â°C. International Journal of Applied Ceramic Technology, 2015, 12, 358-362.	2.1	5
138	High steam utilization operation with high current density in solid oxide electrolysis cells. Journal of the Ceramic Society of Japan, 2016, 124, 213-217.	1.1	5
139	Preparation of porous ceria doped tetragonal zirconia ceramics by capsule free hot isostatic pressing. Advances in Applied Ceramics, 1999, 98, 19-23.	0.4	5
140	Homogeneous Precipitation of Transition Metal (Co²⁺, Fe²⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td Polyaminocarboxylate Complex as a Precursor. Phosphorus Research Bulletin, 1994, 4, 1-6.	0.6	4
141	Preparation and compressive strength of calcium phosphate based cement dispersed with polycrystalline ceria doped tetragonal zirconia. Advances in Applied Ceramics, 1999, 98, 141-145.	0.4	4
142	Microstructure control of an oxide superconductor on interaction of pinning centers and growing crystal surface. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2017-2018.	1.2	4
143	Synthesis and Photocatalytic Property of Hectorite/(Pt, TiO2) and H4Nb6O17/(Pt, TiO2) Nanocomposites. Molecular Crystals and Liquid Crystals, 2000, 341, 213-218.	0.3	4
144	Thermoelectric characterization of NaxMx/2Ti1â^'x/2O2 (M=Co, Ni and Fe) polycrystalline materials. Ceramics International, 2002, 28, 841-845.	4.8	4

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145	Gas sensing property of the electrochemical cell with a multilayer catalytic electrode. Solid State Ionics, 2008, 179, 1648-1651.	2.7	4
146	Effect of Cathode Porosity on the Performances of Cathode Supported Honeycomb SOFCs. ECS Transactions, 2009, 25, 975-981.	0.5	4
147	Effect of microstructure on the conductivity of porous (La0.8Sr0.2)0.99MnO3. Journal of the Ceramic Society of Japan, 2009, 117, 895-898.	1.1	4
148	Novel Electrode-Supported Honeycomb Solid Oxide Fuel Cell: Design and Fabrication. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	4
149	Quantitative comparison of in vivo bone generation with particulate bioglassÂ® and hydroxyapatite as a bone graft substitute. , 1997, , 283-286.		4
150	Development of Fabrication/Integration Technology for Micro Tubular SOFCs. , 2009, , 141-177.		3
151	200 W Module Design using Micro Tubular SOFCs. ECS Transactions, 2009, 25, 195-200.	0.5	3
152	Effect of Anode Composition on the Performances of Cathode Supported Micro Channel SOFCs. ECS Transactions, 2009, 25, 939-943.	0.5	3
153	A Slurry Injection Method for the Fabrication of Multiple Microchannel SOFCs. Journal of the American Ceramic Society, 2009, 92, 1002-1005.	3.8	3
154	Simulation Study for the Series Connected Bundles of Microtubular SOFCs. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	3
155	Low-temperature fabrication of (Ba,Sr)(Co,Fe)O₃ cathode by the reactive sintering method. Journal of the Ceramic Society of Japan, 2019, 127, 485-490.	1.1	3
156	Influence of cation interdiffusion on electrical properties of doped ceria/lanthanum silicate composite. Ceramics International, 2020, 46, 20423-20428.	4.8	3
157	Challenge for the development of micro SOFC manufacturing technology. Synthesiology, 2011, 4, 36-45.	0.2	3
158	Synthesis and Photocatalytic Properties of TiO2 Intercalated H4Nb6O17. Molecular Crystals and Liquid Crystals, 2000, 341, 231-236.	0.3	2
159	Multilayered electrochemical cell for NOx decomposition at moderate temperatures. Ionics, 2006, 12, 211-213.	2.4	2
160	Cell Performance of Microtubular SOFCs with Sc-Doped Zirconia Electrolyte under Pressurized Conditions. ECS Transactions, 2007, 7, 597-601.	0.5	2
161	Development of the Stacked Micro SOFC Modules using New Approaches of Ceramic Processing Technology.. ECS Transactions, 2007, 7, 497-501.	0.5	2
162	Effect of the Fuel Flow Rate on the Performance of the Chip-Type SOFC Module. Journal of the Electrochemical Society, 2008, 155, B1296.	2.9	2

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163	Low Temperature Operated SOFCs Using Ceria Based Electrolyte. Electrochemistry, 2009, 77, 134-136.	1.4	2
164	Development of Bi-Metal Anode Microtubular Supports for Solid Oxide Fuel Cells. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	2
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