Yoshinobu Fujishiro

List of Publications by Year in Descending Order

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	High-performance Gd0.5Sr0.5CoO3−δ and Ce0.8Gd0.2O1.9 nanocomposite cathode for achieving high power density in solid oxide fuel cells. *Electrochimica Acta*, **2021**, 368, 137679	6.7	3
198	Highly active and durable La0.4Sr0.6MnO3−δ and Ce0.8Gd0.2O1.9 nanocomposite electrode for high-temperature reversible solid oxide electrochemical cells. *Ceramics International*, **2020**, 46, 19617-19623	5.1	12
197	Influence of cation interdiffusion on electrical properties of doped ceria/lanthanum silicate composite. *Ceramics International*, **2020**, 46, 20423-20428	5.1	1
196	Degradation evaluation by distribution of relaxation times analysis for microtubular solid oxide fuel cells. *Electrochimica Acta*, **2020**, 339, 135913	6.7	42
195	Modification of sinterability and electrical property by Bi2O3 addition to La9.333Si6O26 for co-sintering with Gd0.1Ce0.9O1.95. *Inorganic Chemistry Communication*, **2020**, 117, 107974	3.1	1
194	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	6.7	11
193	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	2
192	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	6.7	8
191	Near room temperature synthesis of perovskite oxides. *Ceramics International*, **2019**, 45, 24936-24940	5.1	3
190	Nanocomposite electrodes for high current density over 3 A cm in solid oxide electrolysis cells. *Nature Communications*, **2019**, 10, 5432	17.4	22
189	Development of Portable Solid Oxide Fuel Cell System Driven by Hydrocarbon and Alcohol Fuels. *Ceramic Engineering and Science Proceedings*, **2019**, 159-163	0.1	
188	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	6.1	8
187	Effect of Ni diffusion into BaZr0.1Ce0.7Y0.1Yb0.1O3−δ electrolyte during high temperature co-sintering in anode-supported solid oxide fuel cells. *Ceramics International*, **2018**, 44, 3134-3140	5.1	29
186	Dissociation behavior of protons incorporated in yttrium doped barium zirconate. *Journal of Solid State Chemistry*, **2017**, 252, 22-27	3.3	4
185	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	8.9	25
184	Development of a Portable SOFC System with Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol. *ECS Transactions*, **2017**, 80, 71-77	1	5
183	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

182	Correlation between Dissolved Protons in Nickel-Doped BaZrCeYYbO and Its Electrical Conductive Properties. *Inorganic Chemistry*, **2017**, 56, 11876-11882	5.1	8
181	Internal Partial Oxidation Reforming of Butane and Steam Reforming of Ethanol for Anode-supported Microtubular Solid Oxide Fuel Cells. *Fuel Cells*, **2017**, 17, 875-881	2.9	11
180	Decomposition reaction of BaZr0.1Ce0.7Y0.1Yb0.1O3−δ in carbon dioxide atmosphere with nickel sintering aid. *Journal of the Ceramic Society of Japan*, **2017**, 125, 247-251	1	8
179	Structural investigation of electrochemically active ceramic anodes for next-generation solid oxide fuel cells (SOFCs) and solid oxide electrolysis cells (SOECs). *Journal of the Ceramic Society of Japan*, **2017**, 125, 851-855	1	
178	Electrochemical and microstructural properties of Ni□(Y2O3)0.08(ZrO2)0.92□(Ce0.9Gd0.1)O1.95 anode-supported microtubular solid oxide fuel cells. *Solid State Ionics*, **2016**, 285, 227-233	3.3	17
177	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	4
176	Development of anode-supported electrochemical cell based on proton-conductive Ba(Ce,Zr)O3 electrolyte. *Solid State Ionics*, **2016**, 288, 347-350	3.3	12
175	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	8.9	33
174	Challenge for lowering concentration polarization in solid oxide fuel cells. *Journal of Power Sources*, **2016**, 302, 53-60	8.9	49
173	Effect of starting solution concentration in spray pyrolysis on powder properties and electrochemical electrode performance. *Advanced Powder Technology*, **2016**, 27, 1438-1445	4.6	6
172	Proton conduction of MO-P2O5 glasses (M□=□Zn, Ba) containing a large amount of water. *Solid State Sciences*, **2015**, 45, 5-8	3.4	11
171	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	6.7	17
170	Performance of Ni-based Anode-Supported SOFCs with Doped Ceria Electrolyte at Low Temperatures Between 294 and 542□C. *International Journal of Applied Ceramic Technology*, **2015**, 12, 358-362	2	4
169	Low temperature operable micro-tubular SOFCS using Gd doped ceria electrolyte and Ni based anode. *Ceramic Engineering and Science Proceedings*, **2015**, 97-104	0.1	
168	Direct hydrocarbon utilization in microtubular solid oxide fuel cells. *Journal of the Ceramic Society of Japan*, **2015**, 123, 213-216	1	7
167	Fabrication and characterization of YSZ thin films for SOFC application. *Journal of the Ceramic Society of Japan*, **2015**, 123, 250-252	1	2
166	Development Of Microtubular Solid Oxide Fuel Cells Using Hydrocarbon Fuels. *Ceramic Engineering and Science Proceedings*, **2015**, 93-104	0.1	2
165	Nano-Composite Electrode Technology on Micro SOFC. *Yosetsu Gakkai Shi/Journal of the Japan Welding Society*, **2015**, 84, 193-195	0.1	

164	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	6.7	20
163	Effects of anode microstructures on durability of microtubular solid oxide fuel cells during internal steam reforming of methane. *Electrochemistry Communications*, **2014**, 49, 34-37	5.1	10
162	Evaluation of micro flat-tube solid-oxide fuel cell modules using simple gas heating apparatus. *Journal of Power Sources*, **2014**, 272, 730-734	8.9	6
161	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
160	Microtubular solid-oxide fuel cells for low-temperature operation. *MRS Bulletin*, **2014**, 39, 805-809	3.2	6
159	Conductive glass sealants with Ag nanoparticles prepared by a heat reduction process. *Journal of Non-Crystalline Solids*, **2014**, 394-395, 22-28	3.9	1
158	Proton conductivities and structures of BaO–ZnO–P2O5 glasses in the ultraphosphate region for intermediate temperature fuel cells. *International Journal of Hydrogen Energy*, **2013**, 38, 15354-15360	6.7	6
157	Investigation of the microstructural effect of Ni–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	8.9	9
156	High performance of La0.6Sr0.4Co0.2Fe0.8O3–Ce0.9Gd0.1O1.95 nanoparticulate cathode for intermediate temperature microtubular solid oxide fuel cells. *Journal of Power Sources*, **2013**, 226, 354-358	8.9	60
155	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	3.9	7
154	Effects of Anode Microstructure on Mechanical and Electrochemical Properties for Anode-Supported Microtubular Solid Oxide Fuel Cells. *Journal of the American Ceramic Society*, **2013**, 96, 3584-3588	3.8	19
153	Effect of Operating Temperature on Durability for Direct Butane Utilization of Microtubular Solid Oxide Fuel Cells. *Electrochemistry*, **2013**, 81, 86-91	1.2	10
152	Application of catalytic layer on solid oxide fuel cell anode surface. *Electrochemistry Communications*, **2012**, 15, 26-28	5.1	1
151	AC impedance characteristics for anode-supported microtubular solid oxide fuel cells. *Electrochimica Acta*, **2012**, 67, 159-165	6.7	75
150	One-step sintering process of gadolinia-doped ceria interlayer–scandia-stabilized zirconia electrolyte for anode supported microtubular solid oxide fuel cells. *Journal of Power Sources*, **2012**, 199, 170-173	8.9	15
149	Performance of Ni–Fe/gadolinium-doped CeO2 anode supported tubular solid oxide fuel cells using steam reforming of methane. *Journal of Power Sources*, **2012**, 202, 225-229	8.9	13
148	A reduced temperature solid oxide fuel cell with three-dimensionally ordered macroporous cathode. *Journal of Power Sources*, **2012**, 212, 86-92	8.9	7
147	Impact of direct butane microtubular solid oxide fuel cells. *Journal of Power Sources*, **2012**, 220, 74-78	8.9	27

146	Morphology control and electrochemical properties of LiFePO4/C composite cathode for lithium ion batteries. *Solid State Ionics*, **2012**, 225, 560-563	3.3	28
145	Fabrication and Evaluation of Micro-Tubular SOFC Stack. *ECS Transactions*, **2012**, 45, 531-534	1	
144	4.??SOFC?????????????. *Electrochemistry*, **2012**, 80, 267-270	1.2	
143	Low temperature densification process of solid-oxide fuel cell electrolyte controlled by anode support shrinkage. *RSC Advances*, **2011**, 1, 911	3.7	13
142	Development of Bi-Metal Anode Microtubular Supports for Solid Oxide Fuel Cells. *Journal of Fuel Cell Science and Technology*, **2011**, 8,		2
141	Performance of Microtubular SOFCs Using Ethanol Fuel. *Journal of Fuel Cell Science and Technology*, **2011**, 8,		1
140	A functional layer for direct use of hydrocarbon fuel in low temperature solid-oxide fuel cells. *Energy and Environmental Science*, **2011**, 4, 940-943	35.4	58
139	Power Generation Properties of Microtubular Solid Oxide Fuel Cell Bundle Under Pressurized Conditions. *Journal of Fuel Cell Science and Technology*, **2011**, 8,		5
138	Integration Technologies for Solid Oxide Fuel Cells (SOFCS) and Other Electrochemical Reactors **2011**, 297-321		0
137	Investigation of shrinkage behavior of NiFe bimetallic anode tube support and the densification of electrolyte using co-sintering temperature. *Journal of Power Sources*, **2011**, 196, 9124-9129	8.9	5
136	Effect of anode functional layer on energy efficiency of solid oxide fuel cells. *Electrochemistry Communications*, **2011**, 13, 959-962	5.1	21
135	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	6.7	6
134	Low temperature processed composite cathodes for Solid-oxide fuel Cells. *International Journal of Hydrogen Energy*, **2011**, 36, 10998-11003	6.7	10
133	Development of novel micro flat-tube solid-oxide fuel cells. *Electrochemistry Communications*, **2011**, 13, 719-722	5.1	16
132	Energy efficiency of a microtubular solid-oxide fuel cell. *Journal of Power Sources*, **2011**, 196, 5485-5489	8.9	10
131	Anode-Supported Tubular SOFC at Low Temperature Using Ni, Fe, GDC, and YSZ Based Anode Support. *ECS Transactions*, **2011**, 35, 705-711	1	
130	Performance and Energy Efficiency of a Microtubular Solid Oxide Fuel Cell. *ECS Transactions*, **2011**, 35, 425-430	1	1
129	Tubular Solid Oxide Electrolysis Cell for NOx Decomposition. *Journal of the Electrochemical Society*, **2011**, 158, B1050	3.9	8

128	Challenge for the development of micro SOFC manufacturing technology. *Synthesiology*, **2011**, 4, 36-45	0.2	3
127	Development of Bundle/Stack Fabrication Techonology for Micro SOFCs. *Ceramic Transactions*, **2010**, 179-184	0.1	
126	Simulation Study for the Optimization of Microtubular Solid Oxide Fuel Cell Bundles. *Journal of Fuel Cell Science and Technology*, **2010**, 7,		10
125	Recent Development of Microceramic Reactors for Advanced Ceramic Reactor System. *Journal of Fuel Cell Science and Technology*, **2010**, 7,		9
124	Novel Electrode-Supported Honeycomb Solid Oxide Fuel Cell: Design and Fabrication. *Journal of Fuel Cell Science and Technology*, **2010**, 7,		4
123	Simulation Study for the Series Connected Bundles of Microtubular SOFCs. *Journal of Fuel Cell Science and Technology*, **2010**, 7,		3
122	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	8.9	30
121	Development of Fabrication/Integration Technology for Micro Tubular SOFCs **2009**, 141-177		3
120	200 W Module Design using Micro Tubular SOFCs. *ECS Transactions*, **2009**, 25, 195-200	1	3
119	Effect of Cathode Porosity on the Performances of Cathode Supported Honeycomb SOFCs. *ECS Transactions*, **2009**, 25, 975-981	1	3
118	Effect of Anode Composition on the Performances of Cathode Supported Micro Channel SOFCs. *ECS Transactions*, **2009**, 25, 939-943	1	2
117	Effects of Anode Microstructure on the Performances of Cathode-Supported Micro-SOFCs. *Electrochemical and Solid-State Letters*, **2009**, 12, B151		8
116	Performance of the Micro-SOFC Module Using Submillimeter Tubular Cells. *Journal of the Electrochemical Society*, **2009**, 156, B318	3.9	11
115	Hydrothermal synthesis of $Sr_2Ce_3SnMnO_{12}$ mixed oxidic/stannate pyrochlore and its catalytic performance for NO reduction. *Materials Chemistry and Physics*, **2009**, 116, 273-278	4.4	16
114	Fabrication and evaluation of a novel cathode-supported honeycomb SOFC stack. *Materials Letters*, **2009**, 63, 2577-2580	3.3	13
113	Wet Atomisation of Gd-doped CeO2 Electrolyte Slurries for Intermediate TemperaturesO Microtubular SOFC Applications. *Fuel Cells*, **2009**, 9, 164-169	2.9	10
112	New Fabrication Technique for Series-Connected Stack With Micro Tubular SOFCs. *Fuel Cells*, **2009**, 9, 711-716	2.9	7
111	Effect of anode microstructure on the performance of micro tubular SOFCs. *Solid State Ionics*, **2009**, 180, 546-549	3.3	34

110	Electrochemical reactors for NO decomposition. Basic aspects and a future. *Ionics*, **2009**, 15, 285-299	2.7	21
109	Design and Fabrication of a Novel Electrode-Supported Honeycomb SOFC. *Journal of the American Ceramic Society*, **2009**, 92, S107-S111	3.8	17
108	A Slurry Injection Method for the Fabrication of Multiple Microchannel SOFCs. *Journal of the American Ceramic Society*, **2009**, 92, 1002-1005	3.8	3
107	Study of steam electrolysis using a microtubular ceramic reactor. *International Journal of Hydrogen Energy*, **2009**, 34, 1159-1165	6.7	30
106	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	5.1	13
105	Evaluation of extruded cathode honeycomb monolith-supported SOFC under rapid start-up operation. *Electrochimica Acta*, **2009**, 54, 1478-1482	6.7	19
104	Impact of anode microstructure on solid oxide fuel cells. *Science*, **2009**, 325, 852-5	33.3	387
103	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	5.7	16
102	Low Temperature Operated SOFCs Using Ceria Based Electrolyte. *Electrochemistry*, **2009**, 77, 134-136	1.2	2
101	Development of Novel Honeycomb SOFCs for Intermediate Temperature Operation. *Electrochemistry*, **2009**, 77, 137-139	1.2	
100	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	4
99	Fabrication and evaluation of cathode-supported small scale SOFCs. *Materials Letters*, **2008**, 62, 1518-1520	3.3	32
98	Development of Microtubular SOFCs. *Journal of Fuel Cell Science and Technology*, **2008**, 5,		6
97	Development of Evaluation Technologies for Microtubular SOFCs Under Pressurized Conditions. *Journal of Fuel Cell Science and Technology*, **2008**, 5,		11
96	Fabrication and characterization of micro tubular SOFCs for advanced ceramic reactors. *Journal of Alloys and Compounds*, **2008**, 451, 632-635	5.7	34
95	Effects of Pressurization on Cell Performance of a Microtubular SOFC with Sc-Doped Zirconia Electrolyte. *Journal of the Electrochemical Society*, **2008**, 155, B587	3.9	17
94	Fabrication and Characterization of Microtubular SOFCs with Multilayered Electrolyte. *Electrochemical and Solid-State Letters*, **2008**, 11, B87		8
93	Demonstration of the Rapid Start-Up Operation of Cathode-Supported SOFCs Using a Microtubular LSM Support. *Journal of the Electrochemical Society*, **2008**, 155, B1141	3.9	10

92	Evaluation of Micro LSM-Supported GDC/ScSZ Bilayer Electrolyte with LSM□GDC Activation Layer for Intermediate Temperature-SOFCs. *Journal of the Electrochemical Society*, **2008**, 155, B423	3.9	30
91	Development and Evaluation of a Cathode-Supported SOFC Having a Honeycomb Structure. *Electrochemical and Solid-State Letters*, **2008**, 11, B117		18
90	Low-Temperature NO[sub x] Decomposition Using an Electrochemical Reactor. *Journal of the Electrochemical Society*, **2008**, 155, E109	3.9	32
89	Effect of the Fuel Flow Rate on the Performance of the Chip-Type SOFC Module. *Journal of the Electrochemical Society*, **2008**, 155, B1296	3.9	2
88	Development of cube-type SOFC stacks using anode-supported tubular cells. *Journal of Power Sources*, **2008**, 175, 68-74	8.9	20
87	New Stack Design of Micro-tubular SOFCs for Portable Power Sources. *Fuel Cells*, **2008**, 8, 381-384	2.9	14
86	The electrochemical cell temperature estimation of micro-tubular SOFCs during the power generation. *Journal of Power Sources*, **2008**, 181, 244-250	8.9	19
85	Cube-type micro SOFC stacks using sub-millimeter tubular SOFCs. *Journal of Power Sources*, **2008**, 183, 544-550	8.9	34
84	Non-alkaline glass□MgO composites for SOFC sealant. *Journal of Power Sources*, **2008**, 185, 1311-1314	8.9	28
83	Gas sensing property of the electrochemical cell with a multilayer catalytic electrode. *Solid State Ionics*, **2008**, 179, 1648-1651	3.3	4
82	Fabrication and characterization of high performance cathode supported small-scale SOFC for intermediate temperature operation. *Electrochemistry Communications*, **2008**, 10, 1381-1383	5.1	51
81	Fabrication of needle-type micro SOFCs for micro power devices. *Electrochemistry Communications*, **2008**, 10, 1563-1566	5.1	38
80	The Properties and Performance of Micro-Tubular (Less Than 1 mm OD) Anode Supported SOFC for APU-Applications. *NATO Science for Peace and Security Series C: Environmental Security*, **2008**, 391-406	0.3	
79	Development of micro-tubular SOFCs with an improved performance via nano-Ag impregnation for intermediate temperature operation. *Electrochemistry Communications*, **2007**, 9, 1918-1923	5.1	53
78	Fabrication and characterization of components for cube shaped micro tubular SOFC bundle. *Journal of Power Sources*, **2007**, 163, 731-736	8.9	103
77	Anode-supported micro tubular SOFCs for advanced ceramic reactor system. *Journal of Power Sources*, **2007**, 171, 92-95	8.9	39
76	Development of a Dense Electrolyte Thin Film by the Ink-Jet Printing Technique for a Porous LSM Substrate. *Journal of the American Ceramic Society*, **2007**, 91, 346-349	3.8	22
75	Current collecting efficiency of micro tubular SOFCs. *Journal of Power Sources*, **2007**, 163, 737-742	8.9	66

74	Examination of wet coating and co-sintering technologies for micro-SOFCs fabrication. *Journal of Membrane Science*, **2007**, 300, 45-50	9.6	66
73	Reduction and Reoxidation Reaction of Catalytic Layers in Electrochemical Cells for NO[sub x] Decomposition. *Journal of the Electrochemical Society*, **2007**, 154, F172	3.9	8
72	Development of Honeycomb-type SOFCs with Accumulated Multi Micro-cells. *ECS Transactions*, **2007**, 7, 657-662	1	5
71	Cell Performance of Microtubular SOFCs with Sc-Doped Zirconia Electrolyte under Pressurized Conditions. *ECS Transactions*, **2007**, 7, 597-601	1	2
70	Development of the Stacked Micro SOFC Modules using New Approaches of Ceramic Processing Technology.. *ECS Transactions*, **2007**, 7, 497-501	1	2
69	Fabrication and Properties of Honeycomb-type SOFCs Accumulated with Multi Micro-cells. *ECS Transactions*, **2007**, 7, 651-656	1	5
68	Optimization of Configuration for Cube-Shaped SOFC Bundles. *ECS Transactions*, **2007**, 7, 643-649	1	13
67	Design and Fabrication of Lightweight, Submillimeter Tubular Solid Oxide Fuel Cells. *Electrochemical and Solid-State Letters*, **2007**, 10, A177		58
66	Polarization Properties of an Intermediate Temperature Operated Ceramic Reactor in Power Generating Mode. *ECS Transactions*, **2007**, 7, 609-613	1	4
65	Fabrication of Micro-Tubular SOFC Stack Using Ceramic Manifold. *ECS Transactions*, **2007**, 7, 477-482	1	1
64	Simultaneous removal of nitrogen oxides and diesel soot particulate in nano-structured electrochemical reactor. *Solid State Ionics*, **2006**, 177, 2297-2300	3.3	13
63	Fabrication and characterization of micro tubular SOFCs for operation in the intermediate temperature. *Journal of Power Sources*, **2006**, 160, 73-77	8.9	137
62	Multilayered electrochemical cell for NOx decomposition at moderate temperatures. *Ionics*, **2006**, 12, 211-213	2.7	2
61	Fabrication and Fuel Cell Properties of Gd-Doped CeO2 Micro-Tube Ceramics Reactors Prepared by Gel Precursor. *Key Engineering Materials*, **2006**, 317-318, 909-912	0.4	1
60	Improvement of SOFC Performance Using a Microtubular, Anode-Supported SOFC. *Journal of the Electrochemical Society*, **2006**, 153, A925	3.9	70
59	Intermediate Temperature Electrochemical Reactor for NO[sub x] Decomposition. *Journal of the Electrochemical Society*, **2006**, 153, D167	3.9	15
58	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
57	Advances in Nano-Structured Electrochemical Reactors for NOx Treatment in the Presence of Oxygen. *International Journal of Applied Ceramic Technology*, **2005**, 1, 277-286	2	7

56	Effect of grain boundaries on the magnetoresistance of magnetite. *Physical Review B*, **2005**, 72,	3.3	44
55	Pt-YSZ Cathode for Electrochemical Cells with Multilayer Functional Electrode. *Journal of the Electrochemical Society*, **2004**, 151, J95	3.9	8
54	Advance in Nanostructural Electrochemical Reactors for NOX Treatment in the Presence of Oxygen.. *Materials Research Society Symposia Proceedings*, **2004**, 835, K9.1.1		
53	Synthesis and thermoelectric characterization of polycrystalline Ni1 Ca x Co2O4 (x=0 .05) spinel materials. *Journal of Materials Science: Materials in Electronics*, **2004**, 15, 769-773	2.1	23
52	High Selective deNO x Electrochemical Cell with Self-Assembled Electro-Catalytic Electrode. *Journal of Electroceramics*, **2004**, 13, 865-870	1.5	4
51	Preparation and compressive strength of tricalcium phosphate based cement dispersed with ceramic particles. *Ceramics International*, **2004**, 30, 199-203	5.1	17
50	Synthesis and photocatalytic properties of fibrous titania by solvothermal reactions. *Journal of Materials Processing Technology*, **2003**, 137, 45-48	5.3	60
49	Effect of Microstructural Control on Thermoelectric Properties of Hot-Pressed Aluminum-Doped Zinc Oxide. *Journal of the American Ceramic Society*, **2003**, 86, 2063-2066	3.8	28
48	Thermoelectric characterization of NaxMx/2Ti1 /2O2 (M=Co, Ni and Fe) polycrystalline materials. *Ceramics International*, **2002**, 28, 841-845	5.1	3
47	Synthesis and microstructure of calcia doped ceria as UV filters. *Journal of Materials Science*, **2002**, 37, 683-687	4.3	122
46	Fabrication of Electrode-Supported Type Electrochemical Cell for NOx Decomposition.. *Journal of the Ceramic Society of Japan*, **2002**, 110, 591-596		4
45	Preparation and Photoactive Characterization of Tube-shaped Al-doped ZnO Ceramics.. *Materials Research Society Symposia Proceedings*, **2002**, 737, 545		
44	In situ microscopic observation of the formation process of pinning centers in NdBaCuO superconductor. *Physica C: Superconductivity and Its Applications*, **2001**, 357-360, 738-742	1.3	1
43	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	5.1	47
42	Coating of hydroxyapatite on various substrates via hydrothermal reactions of Ca(edta)2- and phosphate. *Journal of Materials Science: Materials in Medicine*, **2001**, 12, 333-7	4.5	16
41	Preparation and characterization of the Sb-doped TiO2 photocatalysts. *Journal of Materials Science*, **2001**, 36, 949-955	4.3	132
40	Solvo-thermal synthesis of layered Cu-based superconductors using EDTA chelate precursor. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 519-520	1.3	1
39	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	1.3	3

38	Synthesis and Photocatalytic Properties of TiO2 Intercalated H4Nb6O17. *Molecular Crystals and Liquid Crystals*, **2000**, 341, 231-236		2
37	Synthesis and Photocatalytic Property of Hectorite/(Pt, TiO2) and H4Nb6O17/(Pt, TiO2) Nanocomposites. *Molecular Crystals and Liquid Crystals*, **2000**, 341, 213-218		3
36	Preparation and compressive strength of calcium phosphate based cement dispersed with polycrystalline ceria doped tetragonal zirconia. *Advances in Applied Ceramics*, **1999**, 98, 141-145		3
35	High-pressure form of (VO)2P2O7: A spin-12 antiferromagnetic alternating-chain compound with one kind of chain and a single spin gap. *Physical Review B*, **1999**, 60, 10145-10149	3.3	40
34	Synthesis and photocatalytic properties of HNbWO6/TiO2 and HNbWO6/Fe2O3 nanocomposites. *Journal of Photochemistry and Photobiology A: Chemistry*, **1999**, 128, 129-133	4.7	29
33	Structural Study of the Quantum-Spin Chain Compound (VO)2P2O7. *Journal of Solid State Chemistry*, **1999**, 146, 369-379	3.3	36
32	Synthesis of nanocrystalline manganese oxide powders: Influence of hydrogen peroxide on particle characteristics. *Journal of Materials Research*, **1999**, 14, 4594-4601	2.5	52
31	Phase transformation of protonic layered tetratitanate under solvothermal conditions. *Journal of Materials Chemistry*, **1999**, 9, 1191-1195		60
30	Synthesis and photochemical properties of semiconductor pillared layered compounds. *Solid State Sciences*, **1999**, 1, 67-72		52
29	Synthesis and photocatalytic properties of HTaWO6/(Pt,TiO2) and HTaWO6/(Pt,Fe2O3) nanocomposites. *Solid State Sciences*, **1999**, 1, 253-258		21
28	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, 363-7	4.5	32
27	Hydrothermal synthesis of K4Nb6O17. *Journal of Materials Science*, **1998**, 33, 5125-5129	4.3	42
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2	Use of Hydrocarbon Fuel for Micro Tubular SOFCS. *Ceramic Engineering and Science Proceedings*,107-112	0.1
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