

Zhe LÃ¼

List of Publications by Year in descending order

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152
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101543

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#	ARTICLE	IF	CITATIONS
1	Nanoscale metal oxide-based composite membranes with fast ion channel for Li metal protection. <i>Ionics</i> , 2022, 28, 951-960.	2.4	0
2	Enhanced redox and reoxidation tolerances of Ce _{0.8} Gd _{0.2} O _{1.9} electrolyte for Ni cermet anodes in single-chamber SOFCs. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 865-873.	2.5	1
3	Quantum transport in a one-dimensional quasicrystal with mobility edges. <i>Physical Review A</i> , 2022, 105, .	2.5	6
4	A hydrophobic membrane to enable lithium-air batteries to operate in ambient air with a long cycle life. <i>Electrochimica Acta</i> , 2022, 421, 140517.	5.2	5
5	High-performance fluorine-doped cobalt-free oxide as a potential cathode material for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2503-2510.	7.1	12
6	Electrochemical performance of La ₂ NiO ₄ + δ -Ce _{0.55} La _{0.45} O ₂ + δ as a promising bifunctional oxygen electrode for reversible solid oxide cells. <i>Journal of Advanced Ceramics</i> , 2021, 10, 328-337.	17.4	50
7	Waste Biomass Derived Active Carbon as Cost-Effective and Environment-Friendly Cathode Material for Lithium-Oxygen Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 050542.	2.9	2
8	In Situ Surface Film Formed by Solid-State Anodic Oxidation for Stable Lithium Metal Anodes. <i>Advanced Functional Materials</i> , 2021, 31, 2101737.	14.9	12
9	Electrochemical performance and distribution of relaxation times analysis of tungsten stabilized La _{0.5} Sr _{0.5} Fe _{0.9} W _{0.1} O ₃ + δ electrode for symmetric solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30101-30111.	7.1	23
10	Advanced Engineering for Cathode in Lithium-Oxygen Batteries: Flexible 3D Hierarchical Porous Architecture Design and Its Functional Modification. <i>Advanced Functional Materials</i> , 2021, 31, 2105664.	14.9	14
11	Flame-sculptured micron-porous silver wire for fiber-shaped energy storage and surface-enhanced Raman scattering. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153523.	5.5	3
12	Insight into high electrochemical activity of reduced La _{0.3} Sr _{0.7} Fe _{0.7} Ti _{0.3} O ₃ electrode for high temperature CO ₂ electrolysis. <i>Electrochimica Acta</i> , 2020, 332, 135464.	5.2	19
13	Heterostructural Ni ₃ S ₂ +Fe ₅ Ni ₄ S ₈ hybrids for efficient electrocatalytic oxygen evolution. <i>Journal of Materials Science</i> , 2020, 55, 15963-15974.	3.7	11
14	Tailoring tantalum doping into a perovskite ferrite to obtain a highly active and stable anode for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18778-18791.	10.3	24
15	Efficient use of waste carton for power generation, tar and fertilizer through direct carbon solid oxide fuel cell. <i>Renewable Energy</i> , 2020, 158, 410-420.	8.9	20
16	Sulfur poisoning and the regeneration of the solid oxide fuel cell with metal catalyst-impregnated La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ + δ anode. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15650-15657.	7.1	11
17	Phosphor thermometry at 5%kHz rate using a high-speed fiber-optic spectrometer. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	11
18	Novel cobalt-free layered perovskite LaBaFe _{2-x} Nb _x O ₆ + δ (x=0-0.1) as cathode for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2020, 453, 227875.	7.8	23

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19	Electrochemical performance evaluation of FeCo ₂ O ₄ spinel composite cathode for solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154493.	5.5	18
20	Investigations on sulfur poisoning mechanisms of a solid oxide fuel cell with niobium-doped ferrate perovskite anode. <i>Electrochimica Acta</i> , 2020, 335, 135703.	5.2	5
21	Understanding the Relationships between Morphology, Solid Electrolyte Interphase Composition, and Coulombic Efficiency of Lithium Metal. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22268-22277.	8.0	21
22	Graphene quantum dots as a highly efficient electrocatalyst for lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22356-22368.	10.3	20
23	LaNiO ₃ modified with Ag nanoparticles as an efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Frontiers of Materials Science</i> , 2019, 13, 277-287.	2.2	19
24	Effects of a YSZ porous layer between electrolyte and oxygen electrode in solid oxide electrolysis cells on the electrochemical performance and stability. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14493-14499.	7.1	19
25	Temperature-dependent electrical transport behavior and structural evolution in hollandite-type titanium-based oxide. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6741-6750.	3.8	7
26	Morphology evolution and exsolution mechanism of a partially decomposed anode for intermediate temperature-solid oxide fuel cells. <i>Electrochimica Acta</i> , 2019, 304, 30-41.	5.2	18
27	Regeneration of sulfur poisoned La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O _{3-δ} anode of solid oxide fuel cell using electrochemical oxidative method. <i>Electrochimica Acta</i> , 2019, 304, 342-349.	5.2	7
28	Effect of the angle between gas flow direction and electrode on single-chamber SOFC stacks. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1651-1657.	2.5	4
29	Misfit-layered cobaltite Ca ₃ Co ₄ O _{9+δ} as a new electrode for supercapacitor with excellent cycling stability. <i>Journal of Alloys and Compounds</i> , 2019, 792, 357-364.	5.5	10
30	Enhanced performance of a single-chamber solid oxide fuel cell with dual gas supply method. <i>Ionics</i> , 2019, 25, 1281-1289.	2.4	3
31	Effects of discharge mode and fuel treating temperature on the fuel utilization of direct carbon-solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1174-1181.	7.1	18
32	Titanium-substituted ferrite perovskite: An excellent sulfur and coking tolerant anode catalyst for SOFCs. <i>Catalysis Today</i> , 2019, 330, 217-221.	4.4	27
33	Enhanced hydrogen evolution reaction activity of hydrogen-annealed vertical MoS ₂ nanosheets. <i>RSC Advances</i> , 2018, 8, 14369-14376.	3.6	36
34	On the limiting factor of impregnation methods for developing Cu/CeO ₂ anodes for solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1735-1743.	2.5	11
35	CNF-grafted carbon fibers as a binder-free cathode for Lithium Oxygen batteries with a superior performance. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 739-747.	7.1	14
36	Cellular Structure Fabricated on Ni Wire by a Simple and Cost-Effective Direct Flame Approach and Its Application in Fiber-Shaped Supercapacitors. <i>ChemSusChem</i> , 2018, 11, 985-993.	6.8	14

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37	Niobium Doped Lanthanum Strontium Ferrite as A Redox-Stable and Sulfur-Tolerant Anode for Solid Oxide Fuel Cells. <i>ChemSusChem</i> , 2018, 11, 254-263.	6.8	52
38	In-situ reduction synthesis of La ₂ O ₃ /NiM-NCNTs (M= Fe, Co) as efficient bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21959-21968.	7.1	12
39	Vibrational energy redistribution of selectively excite liquid acetonitrile. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	4
40	In situ fabrication of cellular architecture on silver metals using methane/oxygen gas mixture and its application for energy storage. <i>Electrochimica Acta</i> , 2018, 280, 25-32.	5.2	5
41	A Highly Efficient and Robust Perovskite Anode with Iron-Palladium Co-solutions for Intermediate-Temperature Solid Oxide Fuel Cells. <i>ChemSusChem</i> , 2018, 11, 2593-2603.	6.8	25
42	Phonon-assisted anti-Stokes excitation: Mechanism for the unusual temperature dependence of the Ce ³⁺ luminescence in yttrium aluminum garnet. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	3
43	In situ fabrication of porous graphene electrodes for high-performance lithium oxygen batteries. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16128-16135.	7.1	5
44	Tracking intramolecular energy redistribution dynamics in aryl halides: the effect of halide mass. <i>RSC Advances</i> , 2018, 8, 29775-29780.	3.6	7
45	High-performance and stable La _{0.8} Sr _{0.2} Fe _{0.9} Nb _{0.1} O _{3-δ} anode for direct carbon solid oxide fuel cells fueled by activated carbon and corn straw derived carbon. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12358-12367.	7.1	39
46	A novel ZnO-based inorganic/organic bilayer with low resistance for Li metal protection. <i>Energy Storage Materials</i> , 2018, 14, 392-401.	18.0	44
47	Enhanced electrochemical performance of co-synthesized La ₂ NiO ₄ + δ -Ce _{0.55} La _{0.45} O _{2-δ} composite cathode for IT-SOFCs. <i>Journal of Alloys and Compounds</i> , 2017, 705, 105-111.	5.5	17
48	Origin of the Ultrafast Response of the Lateral Photovoltaic Effect in Amorphous MoS ₂ /Si Junctions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18362-18368.	8.0	46
49	High activity oxide Pr _{0.3} Sr _{0.7} Ti _{0.3} Fe _{0.7} O _{3-δ} as cathode of SOEC for direct high-temperature steam electrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12104-12110.	7.1	20
50	Cellular Ni sheet created by a simple oxidation-reduction process for enhanced supercapacitor performance. <i>Journal of Alloys and Compounds</i> , 2017, 711, 287-293.	5.5	6
51	Tracking Intramolecular Vibrational Redistribution in Polyatomic Small-Molecule Liquids by Ultrafast Time-Frequency-Resolved CARS. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4948-4952.	2.5	17
52	Pr and Ti co-doped Strontium Ferrite as a Novel Hydrogen Electrode for Solid Oxide Electrolysis Cell. <i>Electrochimica Acta</i> , 2017, 232, 542-549.	5.2	17
53	Sulfur poisoning and attempt of oxidative regeneration of La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O _{3-δ} anode for solid oxide fuel cell. <i>Journal of Alloys and Compounds</i> , 2017, 698, 794-799.	5.5	19
54	3D-Hierarchical porous nickel sculptured by a simple redox process and its application in high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20709-20719.	10.3	19

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55	Strontium doped lanthanum manganite (LSM) effects on electrochemical performance of LSM/MnO ₂ composites for supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17020-17025.	2.2	9
56	A novel La ₂ NiO ₄ + λ -La ₃ Ni ₂ O ₇ - λ -Ce _{0.55} La _{0.45} O ₂ - λ ternary composite cathode prepared by the co-synthesis method for IT-SOFCs. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17202-17210.	7.1	9
57	Efficient electrolysis of CO ₂ in symmetrical solid oxide electrolysis cell with highly active La _{0.3} Sr _{0.7} Fe _{0.7} Ti _{0.3} O ₃ electrode material. <i>Electrochemistry Communications</i> , 2016, 69, 80-83.	4.7	93
58	The contribution of doped-Al to the colossal permittivity properties of Al _x Nb _{0.03} Ti _{0.97} O ₂ rutile ceramics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6798-6805.	5.5	90
59	Strontium doped lanthanum manganite/manganese dioxide composite electrode for supercapacitor with enhanced rate capability. <i>Electrochimica Acta</i> , 2016, 222, 1585-1591.	5.2	32
60	Effect of Oxygen-deficiencies on Resistance Switching in Amorphous YFe _{0.5} Cr _{0.5} O ₃ films. <i>Scientific Reports</i> , 2016, 6, 30335.	3.3	8
61	Continuous conversion of biomass wastes in a La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ based carbon air battery. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5057-5062.	7.1	28
62	Rapid porosity formation of silver under SOFC conditions in methane-oxygen mixed gas. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 22344-22353.	7.1	6
63	Electrochemically Driven Deactivation and Recovery in PrBaCo ₂ O _{5+λ Oxygen Electrodes for Reversible Solid Oxide Fuel Cells. <i>ChemSusChem</i>, 2016, 9, 2443-2450.}	6.8	31
64	Origin of colossal dielectric permittivity of rutile Ti _{0.9} In _{0.05} Nb _{0.05} O ₂ : single crystal and polycrystalline. <i>Scientific Reports</i> , 2016, 6, 21478.	3.3	93
65	Enhanced photocatalytic activity on polarized ferroelectric KNbO ₃ . <i>RSC Advances</i> , 2016, 6, 108883-108887.	3.6	50
66	The comparative theoretical study of the LaBO ₃ (001) (B=Mn, Fe, Co, and Ni) surface properties and oxygen adsorption mechanisms. <i>Ionics</i> , 2016, 22, 1153-1158.	2.4	6
67	Advanced Technologies for High-Temperature Solid Oxide Fuel Cells. <i>Electrochemical Energy Storage and Conversion</i> , 2015, , 307-337.	0.0	0
68	Investigation on a novel composite solid oxide fuel cell anode with La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ derived phases. <i>Electrochimica Acta</i> , 2015, 160, 89-93.	5.2	20
69	A preliminary study of the pseudo-capacitance features of strontium doped lanthanum manganite. <i>RSC Advances</i> , 2015, 5, 5858-5862.	3.6	42
70	Performance and sulfur poisoning of Ni/CeO ₂ impregnated La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ anode in solid oxide fuel cells. <i>Journal of Power Sources</i> , 2015, 285, 354-359.	7.8	20
71	Titanium-substituted lanthanum strontium ferrite as a novel electrode material for symmetrical solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16572-16577.	7.1	68
72	Fast and sensitive lateral photovoltaic effects in Fe ₃ O ₄ /Si Schottky junction. <i>RSC Advances</i> , 2015, 5, 65048-65051.	3.6	25

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73	Performance and stability of co-synthesized Sm _{0.5} Sr _{0.5} CoO ₃ -Sm _{0.2} Ce _{0.8} O _{1.9} oxygen electrode for reversible solid oxide cells. <i>Electrochimica Acta</i> , 2015, 180, 1085-1093.	5.2	9
74	Performance and stability of co-synthesized Sm _{0.5} Sr _{0.5} CoO ₃ -Ce _{0.8} Sm _{0.2} O _{1.9} composite oxygen electrode for solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 561-567.	7.1	19
75	Co-synthesis of Sm _{0.5} Sr _{0.5} CoO ₃ -Sm _{0.2} Ce _{0.8} O _{1.9} Composite Cathode with Enhanced Electrochemical Property for Intermediate Temperature SOFCs. <i>Fuel Cells</i> , 2014, 14, 966-972.	2.4	10
76	Sm _{0.5} Sr _{0.5} CoO ₃ -Sm _{0.2} Ce _{0.8} O _{1.9} Composite Oxygen Electrodes for Solid Oxide Electrolysis Cells. <i>Fuel Cells</i> , 2014, 14, 76-82.	2.4	23
77	Cobalt-impregnated La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O _{3+δ} anodes for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 7980-7987.	7.1	17
78	Functionally graded cathodes based on double perovskite type GdBaCo ₂ O _{5+δ} oxide. <i>Electrochimica Acta</i> , 2014, 134, 136-142.	5.2	24
79	A rapid preparation of acicular Ni impregnated anode with enhanced conductivity and operational stability. <i>Journal of Power Sources</i> , 2014, 256, 424-429.	7.8	9
80	Adsorption of Sulfur-containing Species on LaCrO ₃ (001) Surface: A First-principles Study. <i>Fuel Cells</i> , 2013, 13, 1040-1047.	2.4	3
81	Effect of gas supply method on the performance of the single-chamber SOFC micro-stack and the single cells. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 269-275.	2.5	8
82	Ag decorated (Ba,Sr)(Co,Fe)O ₃ cathodes for solid oxide fuel cells prepared by electroless silver deposition. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2413-2420.	7.1	33
83	Effect of flow geometry on anode-supported single chamber SOFCs arrayed as V-shape. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1976-1982.	7.1	5
84	Effect of stack configurations on single chamber solid oxide fuel cell, anode-cathode, anode-anode, and cathode-cathode configuration. <i>Electrochimica Acta</i> , 2013, 104, 64-68.	5.2	3
85	The Effect of Adding Ce _x Sm _x O ₂ with Different Sm Contents on the Electrochemical Performance of GdBaCo ₂ O _{5+δ} Based Composite Cathode. <i>Fuel Cells</i> , 2013, 13, 289-297.	2.4	6
86	The Interaction of Noble Metal With La _x Sr _x MnO ₃ (001) Surface and Catalytic Role for Oxygen Adsorption: A Density Functional Theory Study. <i>Fuel Cells</i> , 2012, 12, 1048-1055.	2.4	0
87	Ag ₂ O-Bi ₂ O ₃ composites: synthesis, characterization and high efficient photocatalytic activities. <i>CrystEngComm</i> , 2012, 14, 5705.	2.6	44
88	Ba and Gd Doping Effect in (Ba _x Sr _{1-x}) _{0.95} Gd _{0.05} Co _{0.8} Fe _{0.2} (x=0.1-0.9) Cathode on the Phase Structure and Electrochemical Performance. <i>Fuel Cells</i> , 2012, 12, 633-641.	2.4	3
89	Evaluation of a Non-sealed Solid Oxide Fuel Cell Stack with Cells Embedded in Plane Configuration. <i>Fuel Cells</i> , 2012, 12, 523-529.	2.4	4
90	Compaction pressure effect on microstructure and electrochemical performance of GdBaCo ₂ O _{5+δ} cathode for IT-SOFCs. <i>Ceramics International</i> , 2012, 38, 2159-2164.	4.8	5

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91	Evaluation of (Ba _{0.5} Sr _{0.5}) _{0.85} Gd _{0.15} Co _{0.8} Fe _{0.2} O ₃ cathode for intermediate temperature solid oxide fuel cell. <i>Ceramics International</i> , 2012, 38, 3039-3046.	4.8	20
92	A direct flame solid oxide fuel cell for potential combined heat and power generation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8621-8629.	7.1	39
93	Effect of characteristics of (Sm,Ce)O ₂ powder on the fabrication and performance of anode-supported solid oxide fuel cells. <i>Materials Research Bulletin</i> , 2012, 47, 121-129.	5.2	6
94	Structure, electrical and thermal properties of (Ba _{0.5} Sr _{0.5}) _{1-x} GdxCo _{0.8} Fe _{0.2} O ₃ perovskite as a solid-oxide fuel cell cathode. <i>Solid State Ionics</i> , 2012, 207, 38-43.	2.7	9
95	A Performance Study of Solid Oxide Fuel Cells With BaZr _{0.1} Ce _{0.7} Y _{0.2} O ₃ Electrolyte Developed by Spray-Modified Pressing Method. <i>Fuel Cells</i> , 2012, 12, 141-145.	2.4	21
96	Study of a Single-Chamber Solid Oxide Fuel Cell Microstack with V-Shaped Congener Electrode-Facing Configuration. <i>Fuel Cells</i> , 2012, 12, 4-10.	2.4	2
97	GdBaCo ₂ O ₅ +Sm _{0.2} Ce _{0.8} O _{1.9} composite cathodes for intermediate temperature SOFCs. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3651-3655.	5.5	30
98	Vacuum-assisted electroless copper plating on Ni/(Sm,Ce)O ₂ anodes for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7661-7669.	7.1	19
99	Fabrication and performance test of solid oxide fuel cells with screen-printed yttria-stabilized zirconia electrolyte membranes. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2661-2665.	2.5	6
100	A symmetrical solid oxide fuel cell prepared by dry-pressing and impregnating methods. <i>Journal of Power Sources</i> , 2011, 196, 729-733.	7.8	73
101	Paper-Fibres Used as a Pore-Former for Anode Substrate of Solid Oxide Fuel Cell. <i>Fuel Cells</i> , 2011, 11, 172-177.	2.4	16
102	Effect of adding urea on performance of Cu/CeO ₂ /yttria-stabilized zirconia anodes for solid oxide fuel cells prepared by impregnation method. <i>Electrochimica Acta</i> , 2011, 56, 2230-2236.	5.2	21
103	Redox of Ni/YSZ anodes and oscillatory behavior in single-chamber SOFC under methane oxidation conditions. <i>Electrochimica Acta</i> , 2011, 56, 6688-6695.	5.2	27
104	A right-angular configuration for the single-chamber solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3147-3152.	7.1	4
105	Nanosized Ce _{0.8} Sm _{0.2} O _{1.9} infiltrated GdBaCo ₂ O ₅ cathodes for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6151-6159.	7.1	42
106	A non-sealed solid oxide fuel cell micro-stack with two gas channels. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7251-7256.	7.1	8
107	Effects of the single chamber SOFC stack configuration on the performance of the single cells. <i>Solid State Ionics</i> , 2010, 181, 939-942.	2.7	10
108	Fabrication and performance of membrane solid oxide fuel cells with La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ impregnated anodes. <i>Journal of Power Sources</i> , 2010, 195, 1793-1798.	7.8	35

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109	Performance of an annular solid-oxide fuel cell micro-stack array operating in single-chamber conditions. <i>Journal of Power Sources</i> , 2010, 195, 4247-4251.	7.8	5
110	Investigations on Pr _{1.6} Sr _{0.4} NiO ₄ +YSZ+Ag composite cathode for solid oxide fuel cells. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 230-234.	4.0	5
111	Thermal expansion and electrochemical properties of Ni-doped GdBaCo ₂ O ₅ +Î double-perovskite type oxides. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3775-3782.	7.1	50
112	Fabrication and evaluation of a Ni/La _{0.75} Sr _{0.25} Cr _{0.5} Fe _{0.5} O ₃ +Î co-impregnated yttria-stabilized zirconia anode for single-chamber solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6897-6904.	7.1	20
113	A comparison of La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ +Î and Ni impregnated porous YSZ anodes fabricated in two different ways for SOFCs. <i>Electrochimica Acta</i> , 2010, 55, 3932-3938.	5.2	30
114	Novel polymer fibers prepared by electrospinning for use as the pore-former for the anode of solid oxide fuel cell. <i>Electrochimica Acta</i> , 2010, 55, 5538-5544.	5.2	36
115	Development and performance of diopside based glass-ceramic sealants for solid oxide fuel cells. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1070-1080.	3.1	36
116	A Novel Cell Array Design for Single Chamber SOFC Microstack. <i>Fuel Cells</i> , 2009, 9, 717-721.	2.4	15
117	Enhanced performance of solid oxide fuel cells with Ni/CeO ₂ modified La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ +Î anodes. <i>Journal of Power Sources</i> , 2009, 190, 326-330.	7.8	44
118	Study on impedance spectra of La _{0.7} Sr _{0.3} MnO ₃ and Sm _{0.2} Ce _{0.8} O _{1.9} -impregnated La _{0.7} Sr _{0.3} MnO ₃ cathode in single chamber fuel cell condition. <i>Electrochimica Acta</i> , 2009, 54, 4726-4730.	5.2	12
119	Performance evolution of NiO/yttria-stabilized zirconia anodes fabricated at different compaction pressures. <i>Electrochimica Acta</i> , 2009, 54, 1355-1361.	5.2	11
120	Preparation and characteristics of Pr _{1.6} Sr _{0.4} NiO ₄ +YSZ as composite cathode of solid oxide fuel cells. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 665-668.	4.0	21
121	Behavior of 3mol% yttria-stabilized tetragonal zirconia polycrystal film prepared by slurry spin coating. <i>Journal of Power Sources</i> , 2009, 186, 128-132.	7.8	14
122	A novel design of single-chamber SOFC micro-stack operated in methane+oxygen mixture. <i>Electrochemistry Communications</i> , 2009, 11, 347-350.	4.7	29
123	Synthesis, electrical and electrochemical properties of Ba _{0.5} Sr _{0.5} Zn _{0.2} Fe _{0.8} O ₃ +Î perovskite oxide for IT-SOFC cathode. <i>Journal of Power Sources</i> , 2008, 176, 1-8.	7.8	168
124	Thermal, electrical, and electrochemical properties of Nd-doped Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ +Î as a cathode material for SOFC. <i>Solid State Ionics</i> , 2008, 178, 1853-1858.	2.7	80
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