

Dong Ding

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

5,692
citations

39
h-index

73
g-index

162
ext. papers

6,978
ext. citations

10.9
avg, IF

5.9
L-index

#	Paper	IF	Citations
126	Surface enhanced performance of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} cathodes by infiltration Pr-Ni-Mn-O progress. <i>Journal of Alloys and Compounds</i> , 2022 , 902, 163337	5.7	1
125	Revitalizing interface in protonic ceramic cells by acid etch.. <i>Nature</i> , 2022 , 604, 479-485	50.4	10
124	High-performance of CrO _x /HZSM-5 catalyst on non-oxidative dehydrogenation of C ₂ H ₆ to C ₂ H ₄ : Effect of supporting materials and associated mechanism. <i>Fuel Processing Technology</i> , 2022 , 233, 107294	7.2	0
123	Modeling the performance and faradaic efficiency of solid oxide electrolysis cells using doped barium zirconate perovskite electrolytes. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 11511-11522	6.7	5
122	Low-temperature ethylene production for indirect electrification in chemical production. <i>Cell Reports Physical Science</i> , 2021 , 2, 100405	6.1	4
121	Switching of metal-oxygen hybridization for selective CO ₂ electrohydrogenation under mild temperature and pressure. <i>Nature Catalysis</i> , 2021 , 4, 274-283	36.5	19
120	Composition Optimization of Triple Conducting PrNi _x Co _{1-x} O _{3-δ} Oxygen Electrodes for Protonic Ceramic Electrochemical Cells. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-01, 1145-1145	0	
119	Natural Gas Conversion Using Proton-Conducting Ceramic Membrane Reactor. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-01, 1149-1149	0	
118	Regulation of Cathode Mass and Charge Transfer by Structural 3D Engineering for Protonic Ceramic Fuel Cell at 400°C. <i>Advanced Functional Materials</i> , 2021 , 31, 2102907	15.6	4
117	An Efficient Bifunctional Air Electrode for Reversible Protonic Ceramic Electrochemical Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2105386	15.6	12
116	A mini-review on proton conduction of BaZrO ₃ -based perovskite electrolytes. <i>JPhys Energy</i> , 2021 , 3, 032019	4.9	6
115	Chemical and structural origin of hole states in yttria-stabilized zirconia. <i>Acta Materialia</i> , 2021 , 203, 116487	48.7	4
114	Idaho National Laboratory's Advanced Design and Manufacturing Initiative. <i>Catalysis Today</i> , 2021 , 363, 67-72	5.3	
113	Engineering the atomic arrangement of bimetallic catalysts for electrochemical CO reduction. <i>Chemical Communications</i> , 2021 , 57, 1839-1854	5.8	10
112	Carbon Nanotube Supported Amorphous MoS ₂ via Microwave Heating Synthesis for Enhanced Performance of Hydrogen Evolution Reaction. <i>Energy Material Advances</i> , 2021 , 2021, 1-8	1	4
111	Direct conversion of natural gases in solid oxide cells: A mini-review. <i>Electrochemistry Communications</i> , 2021 , 128, 107068	5.1	2
110	Regulation of Cathode Mass and Charge Transfer by Structural 3D Engineering for Protonic Ceramic Fuel Cell at 400°C (Adv. Funct. Mater. 33/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170244	15.6	2

109	High-Performance Piezo-Electrocatalytic Sensing of Ascorbic Acid with Nanostructured Wurtzite Zinc Oxide.. <i>Advanced Materials</i> , 2021 , 33, e2105697	24	5
108	Electrochemically Engineered, Highly Energy-Efficient Conversion of Ethane to Ethylene and Hydrogen below 550 °C in a Protonic Ceramic Electrochemical Cell. <i>ACS Catalysis</i> , 2021 , 11, 12194-12202 ^{13,1}	13.1	2
107	Exploring the structural uniformity and integrity of protonic ceramic thin film electrolyte using wet powder spraying. <i>Journal of Power Sources Advances</i> , 2021 , 11, 100067	3.3	3
106	Dual Functional Ni ₃ S ₂ @Ni Core-Shell Nanoparticles Decorating Nanoporous Carbon as Cathode Scaffolds for Lithium-Sulfur Battery with Lean Electrolytes. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4173-4179	4.79	6
105	Direct Carbon Fuel Cells: Dual 3D Ceramic Textile Electrodes: Fast Kinetics for Carbon Oxidation Reaction and Oxygen Reduction Reaction in Direct Carbon Fuel Cells at Reduced Temperatures (Adv. Funct. Mater. 19/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070119	15.6	
104	Discovery of single-atom alloy catalysts for CO ₂ -to-methanol reaction by density functional theory calculations. <i>Catalysis Today</i> , 2020 ,	5.3	3
103	Hydrogen bonding sewing interface.. <i>RSC Advances</i> , 2020 , 10, 17438-17443	3.7	2
102	Perspectives on the Active Sites and Catalyst Design for the Hydrogenation of Dimethyl Oxalate. <i>ACS Catalysis</i> , 2020 , 10, 4465-4490	13.1	20
101	Cation Deficiency Tuning of LaCoO ₃ Perovskite as Bifunctional Oxygen Electrocatalyst. <i>ChemCatChem</i> , 2020 , 12, 2768-2775	5.2	27
100	Dual 3D Ceramic Textile Electrodes: Fast Kinetics for Carbon Oxidation Reaction and Oxygen Reduction Reaction in Direct Carbon Fuel Cells at Reduced Temperatures. <i>Advanced Functional Materials</i> , 2020 , 30, 1910096	15.6	11
99	Advances in electrocatalytic ammonia synthesis under mild conditions. <i>Progress in Energy and Combustion Science</i> , 2020 , 81, 100860	33.6	13
98	Understanding of A-site deficiency in layered perovskites: promotion of dual reaction kinetics for water oxidation and oxygen reduction in protonic ceramic electrochemical cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14600-14608	13	16
97	Highly Efficient and Durable Materials for Protonic Ceramic Electrochemical Cells Operated at 400~600 °C. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 2588-2588	0	
96	Electronic Transport within Proton-Conducting Ceramics and Its Effect on Faradaic Efficiency of High-Temperature Water Electrolysis for Hydrogen Production. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-01, 1492-1492	0	
95	Three-dimensional Analysis of Materials at Multiple Length Scales. <i>Microscopy and Microanalysis</i> , 2020 , 26, 1680-1682	0.5	
94	Tri-Doped BaCeO-BaZrO as a Chemically Stable Electrolyte with High Proton-Conductivity for Intermediate Temperature Solid Oxide Electrolysis Cells (SOECs). <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38275-38284	9.5	14
93	Kinetics and mechanism of CO ₂ gasification of coal catalyzed by Na ₂ CO ₃ , FeCO ₃ and Na ₂ CO ₃ @FeCO ₃ . <i>Journal of the Energy Institute</i> , 2020 , 93, 922-933	5.7	17
92	Self-sustainable protonic ceramic electrochemical cells using a triple conducting electrode for hydrogen and power production. <i>Nature Communications</i> , 2020 , 11, 1907	17.4	80

91	Advancement of Proton-Conducting Solid Oxide Fuel Cells and Solid Oxide Electrolysis Cells at Idaho National Laboratory (INL). <i>ECS Transactions</i> , 2019 , 91, 1029-1034	1	7
90	Non-oxidative dehydrogenation of ethane to ethylene over ZSM-5 zeolite supported iron catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117816	21.8	48
89	Evolution of Solid Oxide Fuel Cells via Fast Interfacial Oxygen Crossover. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4069-4074	6.1	3
88	Approaches for co-sintering metal-supported proton-conducting solid oxide cells with Ba(Zr,Ce,Y,Yb)O ₃ -Electrolyte. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 13768-13776	6.7	10
87	A-site Excessive (La _{0.8} Sr _{0.2}) _{1+x} MnO ₃ Perovskite Oxides for Bifunctional Oxygen Catalyst in Alkaline Media. <i>ACS Catalysis</i> , 2019 , 9, 5074-5083	13.1	47
86	IrO ₂ -incorporated La _{0.8} Sr _{0.2} MnO ₃ as a bifunctional oxygen electrocatalyst with enhanced activities. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1029-1039	6.8	10
85	Wearable high-dielectric-constant polymers with core-shell liquid metal inclusions for biomechanical energy harvesting and a self-powered user interface. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7109-7117	13	31
84	Design and understanding of dendritic mixed-metal hydroxide nanosheets@N-doped carbon nanotube array electrode for high-performance asymmetric supercapacitors. <i>Energy Storage Materials</i> , 2019 , 16, 632-645	19.4	170
83	Recent Advances in Intensified Ethylene Production: A Review. <i>ACS Catalysis</i> , 2019 , 9, 8592-8621	13.1	112
82	Hybrid nanomanufacturing of mixed-dimensional manganese oxide/graphene aerogel macroporous hierarchy for ultralight efficient supercapacitor electrodes in self-powered ubiquitous nanosystems. <i>Nano Energy</i> , 2019 , 66, 104124	17.1	22
81	Spinel oxides as coke-resistant supports for NiO-based oxygen carriers in chemical looping combustion of methane. <i>Catalysis Today</i> , 2019 ,	5.3	6
80	Scalable nanomanufacturing and assembly of chiral-chain piezoelectric tellurium nanowires for wearable self-powered cardiovascular monitoring. <i>Nano Futures</i> , 2019 , 3, 011001	3.6	12
79	Cation deficiency enabled fast oxygen reduction reaction for a novel SOFC cathode with promoted CO ₂ tolerance. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 546-555	21.8	61
78	Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. <i>Nano Energy</i> , 2019 , 57, 22-33	17.1	193
77	Aluminum and Nitrogen Codoped Graphene: Highly Active and Durable Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2019 , 9, 610-619	13.1	33
76	Infiltrated Pr ₂ NiO ₄ as promising bi-electrode for symmetrical solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 8953-8961	6.7	28
75	Fuel Cells: A High-Performing Direct Carbon Fuel Cell with a 3D Architected Anode Operated Below 600 °C (Adv. Mater. 4/2018). <i>Advanced Materials</i> , 2018 , 30, 1870022	24	1
74	A novel low-thermal-budget approach for the co-production of ethylene and hydrogen via the electrochemical non-oxidative deprotonation of ethane. <i>Energy and Environmental Science</i> , 2018 , 11, 1710-1716	35.4	55

73	An effective strategy to enhancing tolerance to contaminants poisoning of solid oxide fuel cell cathodes. <i>Nano Energy</i> , 2018 , 47, 474-480	17.1	48
72	A High-Performing Direct Carbon Fuel Cell with a 3D Architected Anode Operated Below 600 °C. <i>Advanced Materials</i> , 2018 , 30, 1704745	24	22
71	Cation deficiency design: A simple and efficient strategy for promoting oxygen evolution reaction activity of perovskite electrocatalyst. <i>Electrochimica Acta</i> , 2018 , 259, 1004-1010	6.7	31
70	Hydrogen Production: 3D Self-Architected Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 °C (Adv. Sci. 11/2018). <i>Advanced Science</i> , 2018 , 5, 1870070	13.6	3
69	3D Self-Architected Steam Electrode Enabled Efficient and Durable Hydrogen Production in a Proton-Conducting Solid Oxide Electrolysis Cell at Temperatures Lower Than 600 °C. <i>Advanced Science</i> , 2018 , 5, 1800360	13.6	44
68	Crystallinity Dependence of Ruthenium Nanocatalyst toward Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2018 , 8, 5714-5720	13.1	107
67	Promotion on electrochemical performance of a cation deficient SrCo _{0.7} Nb _{0.1} Fe _{0.2} O ₃ perovskite cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2017 , 354, 26-33	8.9	32
66	High conductive and long-term phase stable anode materials for SOFCs: A ₂ FeMoO ₆ (A = Ca, Sr, Ba). <i>Journal of Power Sources</i> , 2017 , 359, 384-390	8.9	36
65	Robust three dimensional N-doped graphene supported Pd nanocomposite as efficient electrocatalyst for methanol oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15107-15114	6.7	23
64	A robust and active hybrid catalyst for facile oxygen reduction in solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2017 , 10, 964-971	35.4	145
63	(Invited) Robust and Active Mixed-Conducting Electrodes for Intermediate-Temperature Fuel Cells. <i>ECS Transactions</i> , 2017 , 80, 3-12	1	2
62	Development of High Performance Intermediate Temperature Proton-Conducting Solid Oxide Electrolysis Cells. <i>ECS Transactions</i> , 2017 , 80, 167-173	1	9
61	A High Performance Low Temperature Direct Carbon Fuel Cell. <i>ECS Transactions</i> , 2017 , 78, 2519-2526	1	4
60	Co,N-codoped graphene as efficient electrocatalyst for hydrogen evolution reaction: Insight into the active centre. <i>Journal of Power Sources</i> , 2017 , 363, 260-268	8.9	43
59	Effect of Samaria Doped Ceria Impregnation on the Electrochemical Performance of Strontium Doped Lanthanum Chromium Manganite Anode for Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F916-F922	3.9	6
58	A Highly Efficient and Robust Nanofiber Cathode for Solid Oxide Fuel Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1601890	21.8	75
57	One-step synthesis of architectural Ni ₃ S ₂ nanosheet-on-nanorods array for use as high-performance electrodes for supercapacitors. <i>NPG Asia Materials</i> , 2016 , 8, e300-e300	10.3	69
56	Composites of Single/Double Perovskites as Cathodes for Solid Oxide Fuel Cells. <i>Energy Technology</i> , 2016 , 4, 804-808	3.5	9

55	A durable, high-performance hollow-nanofiber cathode for intermediate-temperature fuel cells. <i>Nano Energy</i> , 2016 , 26, 90-99	17.1	68
54	A high-performance, cobalt-free cathode for intermediate-temperature solid oxide fuel cells with excellent CO ₂ tolerance. <i>Journal of Power Sources</i> , 2016 , 319, 178-184	8.9	25
53	Enhanced ionic conductivity of apatite-type lanthanum silicate electrolyte for IT-SOFCs through copper doping. <i>Journal of Power Sources</i> , 2016 , 306, 630-635	8.9	24
52	Chromium poisoning effect on strontium-doped samarium manganite for solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 20660-20669	6.7	4
51	HxMoO ₃ nanobelts with sea water as electrolyte for high-performance pseudocapacitors and desalination devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17217-17223	13	29
50	Controlled synthesis of NiCo ₂ S ₄ nanostructured arrays on carbon fiber paper for high-performance pseudocapacitors. <i>Nano Energy</i> , 2015 , 16, 71-80	17.1	292
49	New insight into highly active cathode of proton conducting solid oxide fuel cells by oxygen ionic conductor modification. <i>Journal of Power Sources</i> , 2015 , 287, 170-176	8.9	26
48	An operando surface enhanced Raman spectroscopy (SERS) study of carbon deposition on SOFC anodes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 21112-9	3.6	29
47	Probing the Charge Storage Mechanism of a Pseudocapacitive MnO ₂ Electrode Using in Operando Raman Spectroscopy. <i>Chemistry of Materials</i> , 2015 , 27, 6608-6619	9.6	141
46	Oxygen- and Nitrogen-Enriched 3D Porous Carbon for Supercapacitors of High Volumetric Capacity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24622-8	9.5	125
45	Evaluation of La _{0.4} Ba _{0.6} Fe _{0.8} Zn _{0.2} O _{3-δ} -Sm _{0.2} Ce _{0.8} O _{1.9} as a potential cobalt-free composite cathode for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2015 , 275, 808-814	8.9	25
44	Three-dimensional ultrathin Ni(OH) ₂ nanosheets grown on nickel foam for high-performance supercapacitors. <i>Nano Energy</i> , 2015 , 11, 154-161	17.1	329
43	Controllable interior structure of ZnCo ₂ O ₄ microspheres for high-performance lithium-ion batteries. <i>Nano Energy</i> , 2015 , 11, 64-70	17.1	107
42	Advances in Cathode Materials for Solid Oxide Fuel Cells: Complex Oxides without Alkaline Earth Metal Elements. <i>Advanced Energy Materials</i> , 2015 , 5, 1500537	21.8	169
41	In Situ Probing of the Mechanisms of Coking Resistance on Catalyst-Modified Anodes for Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2015 , 27, 822-828	9.6	39
40	Efficient modification for enhancing surface activity of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} oxygen permeation membrane. <i>Journal of Membrane Science</i> , 2015 , 477, 7-13	9.6	23
39	Enhancing SOFC cathode performance by surface modification through infiltration. <i>Energy and Environmental Science</i> , 2014 , 7, 552	35.4	530
38	Operando and in situ X-ray spectroscopies of degradation in La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _(3-δ) thin film cathodes in fuel cells. <i>ChemSusChem</i> , 2014 , 7, 3078-87	8.3	26

37	Triple-conducting layered perovskites as cathode materials for proton-conducting solid oxide fuel cells. <i>ChemSusChem</i> , 2014 , 7, 2811-5	8.3	173
36	The effect of Cr deposition and poisoning on BaZr _{0.1} Ce _{0.7} Y _{0.2} O ₃ proton conducting electrolyte. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 18379-18384	6.7	8
35	Phase evolution of an alpha MnO ₂ -based electrode for pseudo-capacitors probed by in operando Raman spectroscopy. <i>Nano Energy</i> , 2014 , 9, 161-167	17.1	138
34	Enhanced electrochemical properties of a LiNiO ₂ -based cathode material by removing lithium residues with (NH ₄) ₂ HPO ₄ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11691-11696	13	110
33	Surface modification of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ with conducting polypyrrole. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 2619-2624	2.6	77
32	New insights into intermediate-temperature solid oxide fuel cells with oxygen-ion conducting electrolyte act as a catalyst for NO decomposition. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 418-425	21.8	20
31	Fabrication and evaluation of stable micro tubular solid oxide fuel cells with BZCY-BZY bi-layer proton conducting electrolytes. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 19087-19092	6.7	15
30	High-performance NiBaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O ₃ (BZCYyb) membranes for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 14743-14749	6.7	39
29	A mixed-conducting BaPr _{0.8} In _{0.2} O ₃ cathode for proton-conducting solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2013 , 27, 19-21	5.1	31
28	Flexible multiphysics simulation of porous electrodes: Conformal to 3D reconstructed microstructures. <i>Nano Energy</i> , 2013 , 2, 105-115	17.1	40
27	Enhancing SOFC Electrode Performance Through Surface Modification. <i>ECS Transactions</i> , 2013 , 57, 1801-1810	10	10
26	Highly active Sm _{0.2} Ce _{0.8} O _{1.9} powders of very low apparent density derived from mixed cerium sources. <i>Journal of Power Sources</i> , 2013 , 229, 277-284	8.9	14
25	Development of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ cathode with an improved stability via La _{0.8} Sr _{0.2} MnO ₃ -film impregnation. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 5375-5382	6.7	32
24	Fabrication and modification of solid oxide fuel cell anodes via wet impregnation/infiltration technique. <i>Journal of Power Sources</i> , 2013 , 237, 243-259	8.9	119
23	High-performance, ceria-based solid oxide fuel cells fabricated at low temperatures. <i>Journal of Power Sources</i> , 2013 , 241, 454-459	8.9	32
22	Efficient Electro-Catalysts for Enhancing Surface Activity and Stability of SOFC Cathodes. <i>Advanced Energy Materials</i> , 2013 , 3, 1149-1154	21.8	119
21	Enhanced density of sol-gel derived La _{0.85} Sr _{0.2} MnO ₃ thin film with an electric field assisted deposition. <i>Materials Letters</i> , 2013 , 92, 192-194	3.3	2
20	Enhanced performance of LSCF cathode through surface modification. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 8613-8620	6.7	129

19	Electrical and electrocatalytic properties of a $\text{La}_{0.8}\text{Sr}_{0.2}\text{Co}_{0.17}\text{Mn}_{0.83}\text{O}_{3-\delta}$ cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012 , 205, 80-85	8.9	17
18	Development of three-layer intermediate temperature solid oxide fuel cells with direct stainless steel based anodes. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4401-4405	6.7	22
17	An Efficient SOFC Based on Samaria-Doped Ceria (SDC) Electrolyte. <i>Journal of the Electrochemical Society</i> , 2012 , 159, B661-B665	3.9	58
16	Effect of impregnation phases on the performance of Ni-based anodes for low temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 8561-8567	8.9	41
15	Development and Fabrication of a New Concept Planar-tubular Solid Oxide Fuel Cell (PT-SOFC). <i>Fuel Cells</i> , 2011 , 11, 451-458	2.9	1
14	Electrochemical characteristics of samaria-doped ceria infiltrated strontium-doped LaMnO_3 cathodes with varied thickness for yttria-stabilized zirconia electrolytes. <i>Journal of Power Sources</i> , 2011 , 196, 2551-2557	8.9	24
13	$\text{Sm}_{0.2}(\text{Ce}_{1-x}\text{Tix})_{0.8}\text{O}_{1.9}$ modified Ni/yttria-stabilized zirconia anode for direct methane fuel cell. <i>Journal of Power Sources</i> , 2011 , 196, 4987-4991	8.9	30
12	Synthesis and electrical conductivity of various melilite-type electrolytes $\text{Ln}_{1+x}\text{Sr}_{1-x}\text{Ga}_3\text{O}_{7+x/2}$. <i>Solid State Ionics</i> , 2011 , 191, 68-72	3.3	19
11	Electrical properties of samaria-doped ceria electrolytes from highly active powders. <i>Electrochimica Acta</i> , 2010 , 55, 4529-4535	6.7	37
10	$\text{Ni}_{1-x}\text{Ln}_x\text{O}_x$ (Ln=La, Ce, Pr, Nd, Sm, Eu, and Gd) cermet anodes for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 1359-1364	8.9	23
9	High performance $\text{Ni}_{0.8}\text{Sm}_{0.2}\text{O}_3$ cermet anodes for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009 , 187, 400-402	8.9	24
8	Enhancement in Three-Phase Boundary of SOFC Electrodes by an Ion Impregnation Method: A Modeling Comparison. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, B83		83
7	High performance electrolyte-coated anodes for low-temperature solid oxide fuel cells: Model and Experiments. <i>Journal of Power Sources</i> , 2008 , 179, 177-185	8.9	42
6	High-performance cathode-supported SOFCs prepared by a single-step co-firing process. <i>Journal of Power Sources</i> , 2008 , 182, 585-588	8.9	48
5	High reactive $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ powders via a carbonate co-precipitation method as electrolytes for low-temperature solid oxide fuel cells. <i>Solid State Ionics</i> , 2008 , 179, 896-899	3.3	75
4	An octane-fueled low temperature solid oxide fuel cell with Ru-free anodes. <i>Electrochemistry Communications</i> , 2008 , 10, 1295-1298	5.1	36
3	Thin yttria-stabilized zirconia electrolyte and transition layers fabricated by particle suspension spray. <i>Journal of Power Sources</i> , 2007 , 164, 567-571	8.9	29
2	Electrical properties of ceria-carbonate composite electrolytes. <i>Materials Research Bulletin</i> , 2006 , 41, 2057-2064	5.1	76

- 1 An Active and Robust Air Electrode for Reversible Protonic Ceramic Electrochemical Cells. *ACS Energy Letters*,1511-1520 20.1 27