

# Kongfa Chen

## 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.

155  
papers

3,487  
citations

35  
h-index

48  
g-index

163  
ext. papers

4,022  
ext. citations

6.2  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
155	Tuning defect nonequilibrium of brownmillerite $Sr_{1+x}Y_{2-x}O_{4+\delta}$ for rich-oxygen-vacancy direct ammonia solid oxide fuel cells cathode. <i>Journal of Power Sources</i> , <b>2022</b> , 524, 231078	8.9	0
154	Photon-assisted spin transport characteristics of A-B interferometer embedded with three quantum dots. <i>Physica B: Condensed Matter</i> , <b>2022</b> , 413700	2.8	
153	Effect of $Co_3O_4$ on the structure and electrochemical performance of $IrO_2-Co_3O_4/Ti$ electrodes by first-principles calculations and experimental. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103234	2.5	
152	Defect-induced pyrochlore $Pr_2Zr_2O_7$ cathode rich in oxygen vacancies for direct ammonia solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2022</b> , 520, 230847	8.9	0
151	A hybrid catalyst coating for a high-performance and chromium-resistive cathode of solid oxide fuel cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 431, 134281	14.7	1
150	Development of intertwined nanostructured multi-phase air electrodes for efficient and durable reversible solid oxide cells. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 305, 121056	21.8	4
149	Study on the Effect of Graphene/Carbon Nanotubes on the Enhanced Capacitance of $IrO_2-ZnO-G(CNT)/Ti$ Electrodes. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 3259-3271	4.1	
148	Recent Progress in Pd-Based Nanocatalysts for Selective Hydrogenation.. <i>ACS Omega</i> , <b>2022</b> , 7, 17-31	3.9	8
147	Facile preparation of electrodes of efficient electrolyte-supported solid oxide fuel cells using a direct assembly approach. <i>Electrochimica Acta</i> , <b>2022</b> , 424, 140643	6.7	1
146	Facile co-synthesis and utilization of ultrafine and highly active $PrBa_{0.8}Ca_{0.2}Co_{2.05}Gd_{0.2}Ce_{0.8}O_{1.9}$ composite cathodes for solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2021</b> , 139673	6.7	7
145	Progress on direct assembly approach for in situ fabrication of electrodes of reversible solid oxide cells. <i>Materials Reports Energy</i> , <b>2021</b> , 1, 100023		3
144	Transport through several four-quantum-dot topological structures. <i>Modern Physics Letters B</i> , <b>2021</b> , 35, 2150393	1.6	0
143	Antiresonance and its application in tri-quantum-dot systems. <i>Indian Journal of Physics</i> , <b>2021</b> , 95, 235-241	1.4	1
142	A comparative study of surface segregation and interface of $La_{0.7}Sr_{0.4}Co_{0.2}Fe_{0.1}O_{3-\delta}$ electrode on GDC and YSZ electrolytes of solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 2606-2616	6.7	13
141	$IrO_2/IrO_2$ -graphene/Ti porous electrode with high charge-transfer speed and enhanced capacitance. <i>Ceramics International</i> , <b>2021</b> , 47, 3728-3740	5.1	3
140	Spin filtering and magnetically-controlled quantum switch in multiple triangular rings consisting of quantum dots. <i>Modern Physics Letters B</i> , <b>2021</b> , 35, 2150177	1.6	
139	Electronic structure and enhanced photoelectrocatalytic performance of $Ru_xZn_{1-x}O/Ti$ electrodes. <i>Journal of Advanced Ceramics</i> , <b>2021</b> , 10, 1025	10.7	3

138	Anodic polarization creates an electrocatalytically active Ni anode/electrolyte interface and mitigates the coarsening of Ni phase in SOFC. <i>Electrochimica Acta</i> , <b>2021</b> , 391, 138912	6.7	5
137	Flower-Like Nanostructured ZnCo <sub>2</sub> O <sub>4</sub> /RuO <sub>2</sub> Electrode Materials for High Performance Asymmetric Supercapacitors. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 120553	3.9	1
136	Molten Salt Synthesis of High-Performance, Nanostructured LaSrFeO Oxygen Electrode of a Reversible Solid Oxide Cell. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
135	Accelerating effect of polarization on electrode/electrolyte interface generation and electrocatalytic performance of Er <sub>0.4</sub> Bi <sub>1.6</sub> O <sub>3</sub> decorated Sm <sub>0.95</sub> CoO <sub>3</sub> -cathodes. <i>Journal of Power Sources</i> , <b>2020</b> , 465, 228281	8.9	13
134	Study on the enhanced electron-hole separation capability of IrZnO/Ti electrodes with high photoelectrocatalysis efficiency. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 393, 122488	12.8	9
133	Remarkable adsorption performance of MOF-199 derived porous carbons for benzene vapor. <i>Environmental Research</i> , <b>2020</b> , 184, 109323	7.9	17
132	Flame-sculptured micron-porous silver wire for fiber-shaped energy storage and surface-enhanced Raman scattering. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153523	5.7	0
131	Study on the binder-free asymmetric supercapacitors with nano-IrO <sub>2</sub> -ZnO/Ti as anode and RuO <sub>2</sub> /MoO <sub>3</sub> /Ti as cathode in H <sub>2</sub> SO <sub>4</sub> electrolyte. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 153385	5.7	10
130	Verification and applicability of symmetric cell configuration for mechanistic study of oxygen electrode reactions of solid oxide cells. <i>Solid State Ionics</i> , <b>2020</b> , 357, 115457	3.3	2
129	Surface Segregation in Solid Oxide Cell Oxygen Electrodes: Phenomena, Mitigation Strategies and Electrochemical Properties. <i>Electrochemical Energy Reviews</i> , <b>2020</b> , 3, 730-765	29.3	27
128	Analysis of a multiple-quantum-dots embedded ring structure for potential optically-controlled quantum switch or spin filter. <i>Scientific Reports</i> , <b>2020</b> , 10, 16280	4.9	3
127	Effect of nickel doping on structure and suppressing boron volatility of borosilicate glass sealants in solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 2179-2185	6	4
126	Synthesis of a novel silicon-containing epoxy resin and its effect on flame retardancy, thermal, and mechanical properties of thermosetting resins. <i>Materials Today Communications</i> , <b>2019</b> , 19, 186-195	2.5	12
125	Improving sealing performance of borosilicate glass-ceramics for solid oxide fuel cell applications: Effect of AlN. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 4194-4201	6	8
124	Anti-Resonance in a Laterally Coupled Triple-Quantum-Dot Chain. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2019</b> , 74, 176-180	0.7	2
123	Effects of annealing holding time on capacitance performance of RuO <sub>2</sub> /TiO <sub>2</sub> /graphene/Ti electrodes. <i>Current Applied Physics</i> , <b>2019</b> , 19, 835-841	2.6	3
122	Combined Cr and S poisoning of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> -c(LSM) cathode of solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2019</b> , 312, 202-212	6.7	16
121	Molten salt synthesis of Nb-doped (La, Sr)FeO <sub>3</sub> as the oxygen electrode for reversible solid oxide cells. <i>Materials Letters</i> , <b>2019</b> , 245, 114-117	3.3	11

120	Positive Effect of Incorporating Er <sub>0.4</sub> Bi <sub>1.6</sub> O <sub>3</sub> on the Performance and Stability of La <sub>2</sub> NiO <sub>4</sub> + $\delta$ Cathode. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, F796-F804	3.9	10
119	Antiresonance in electron transport through a four quantum dots system. <i>Modern Physics Letters B</i> , <b>2019</b> , 33, 1950428	1.6	3
118	A robust glass-ceramic sealing material for solid oxide fuel cells: Effect of Ba <sub>3</sub> Nb <sub>10</sub> O <sub>28</sub> phase. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 1540-1545	6	0
117	Effect of Gd <sub>2</sub> O <sub>3</sub> doping on structure and boron volatility of borosilicate glass sealants in solid oxide fuel cells—A study on the La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> (LSCF) cathode. <i>Journal of Power Sources</i> , <b>2018</b> , 383, 34-41	8.9	10
116	A FIB-STEM Study of Strontium Segregation and Interface Formation of Directly Assembled La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> Cathode on Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Electrolyte of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, F417-F429	3.9	29
115	Effect of Pd doping on the activity and stability of directly assembled La <sub>0.95</sub> Co <sub>0.19</sub> Fe <sub>0.76</sub> Pd <sub>0.05</sub> O <sub>3-<math>\delta</math></sub> Cathodes of solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2018</b> , 316, 38-46	3.3	13
114	Rigid-resilient transition in calcium borosilicate sealing glass/ceramics: Effect of preferred orientation. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2410-2416	6	3
113	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> , <b>2018</b> , 11, 985-993	8.3	11
112	Nb and Pd co-doped La <sub>0.57</sub> Sr <sub>0.38</sub> Co <sub>0.19</sub> Fe <sub>0.665</sub> Nb <sub>0.095</sub> Pd <sub>0.05</sub> O <sub>3-<math>\delta</math></sub> as a stable, high performance electrode for barrier-layer-free Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> electrolyte of solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 433-442	8.9	35
111	Suppressed Sr segregation and performance of directly assembled La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> oxygen electrode on Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> electrolyte of solid oxide electrolysis cells. <i>Journal of Power Sources</i> , <b>2018</b> , 384, 125-135	8.9	44
110	High performance nanostructured bismuth oxide/cobaltite as a durable oxygen electrode for reversible solid oxide cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6510-6520	13	19
109	Sulphur poisoning of solid oxide electrolysis cell anodes. <i>Electrochimica Acta</i> , <b>2018</b> , 269, 188-195	6.7	10
108	Stable phosphate-based glass for low-temperature sealing applications: Effect of Si <sub>3</sub> N <sub>4</sub> dopant. <i>Ceramics International</i> , <b>2018</b> , 44, 20227-20231	5.1	4
107	Active, durable bismuth oxide-manganite composite oxygen electrodes: Interface formation induced by cathodic polarization. <i>Journal of Power Sources</i> , <b>2018</b> , 397, 16-24	8.9	11
106	Improving the sealing performance of glass-ceramics for SOFCs applications by a unique composite approach: A study on Na <sub>2</sub> O-SiO <sub>2</sub> glass-ceramic system. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4488-4494	6	10
105	Improving the thermal stability of phosphor in a white light-emitting diode (LED) by glass-ceramics: Effect of Al <sub>2</sub> O <sub>3</sub> dopant. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2005-2009	6	9
104	In Situ Formation of ErBiO Protective Layer at Cobaltite Cathode/YO-ZrO Electrolyte Interface under Solid Oxide Fuel Cell Operation Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40549-40559	8.5	24
103	Electron transport through two one-dimensional multi-quantum dot arrays coupled to four leads. <i>Modern Physics Letters B</i> , <b>2018</b> , 32, 1850333	1.6	2

102	Cyclic polarization enhances the operating stability of La <sub>0.57</sub> Sr <sub>0.38</sub> Co <sub>0.18</sub> Fe <sub>0.72</sub> Nb <sub>0.10</sub> O <sub>3-δ</sub> oxygen electrode of reversible solid oxide cells. <i>Journal of Power Sources</i> , <b>2018</b> , 404, 73-80	8.9	11
101	Interface formation and Mn segregation of directly assembled La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> cathode on Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> and Gd <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> electrolytes of solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2018</b> , 325, 176-188	3.3	14
100	In situ fabrication of cellular architecture on silver metals using methane/oxygen gas mixture and its application for energy storage. <i>Electrochimica Acta</i> , <b>2018</b> , 280, 25-32	6.7	4
99	Highly Stable Sr-Free Cobaltite-Based Perovskite Cathodes Directly Assembled on a Barrier-Layer-Free Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Electrolyte of Solid Oxide Fuel Cells. <i>ChemSusChem</i> , <b>2017</b> , 10, 993-1003	8.3	40
98	Highly active and stable Er <sub>0.4</sub> Bi <sub>1.6</sub> O <sub>3</sub> decorated La <sub>0.76</sub> Sr <sub>0.19</sub> MnO <sub>3</sub> nanostructured oxygen electrodes for reversible solid oxide cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12149-12157	13	50
97	Effect of SO <sub>2</sub> Poisoning on the Electrochemical Activity of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F514-F524	3.9	22
96	A novel layered perovskite as symmetric electrode for direct hydrocarbon solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2017</b> , 342, 313-319	8.9	61
95	A La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> core-shell structured cathode by a rapid sintering process for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 7246-7251	6.7	14
94	Effects of Nb <sub>2</sub> O <sub>5</sub> and Gd <sub>2</sub> O <sub>3</sub> doping on boron volatility and activity between glass seals and lanthanum-containing cathode. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 1547-1555	6	7
93	A FIB-STEM Study of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Cathode and Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> /Gd <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> Electrolyte Interfaces of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F1437-F1447	3.9	17
92	Role of electrocatalytic properties of infiltrated nanoparticles in the activity of cathodes of solid oxide fuel cells: A case study of infiltrated La <sub>0.8</sub> Sr <sub>0.2</sub> CoxMn <sub>1-x</sub> O <sub>3</sub> (x=0, 0.5, and 1) on Pt electrode. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 28807-28815	6.7	5
91	Temperature-dependent structural behaviour of samarium cobalt oxide. <i>Powder Diffraction</i> , <b>2017</b> , 32, S38-S42	1.8	
90	3D-Hierarchical porous nickel sculptured by a simple redox process and its application in high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20709-20719	13	12
89	Effect of NbO doping on improving the thermo-mechanical stability of sealing interfaces for solid oxide fuel cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 5355	4.9	8
88	Significant Promotion Effect of Bi <sub>2</sub> O <sub>3</sub> on the Activity and Stability of Directly Assembled Lanthanum Manganite Based Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F1471-F1477	3.9	7
87	Smart utilization of cobaltite-based double perovskite cathodes on barrier-layer-free zirconia electrolyte of solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19019-19025	13	41
86	In situ assembled La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> cathodes on a Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> electrolyte of solid oxide fuel cells: interface and electrochemical activity. <i>RSC Advances</i> , <b>2016</b> , 6, 99211-99219	3.7	20
85	Polarization-Induced Interface and Sr Segregation of in Situ Assembled LaSrCoFeO Electrodes on Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Electrolyte of Solid Oxide Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31729-31737	9.5	62

84	Direct application of cobaltite-based perovskite cathodes on the yttria-stabilized zirconia electrolyte for intermediate temperature solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17678-17685	13	55
83	Review Materials Degradation of Solid Oxide Electrolysis Cells. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F3070-F3083	3.9	115
82	Mechanism and Kinetics of SO <sub>2</sub> Poisoning on the Electrochemical Activity of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F771-F780	3.9	14
81	Boron deposition and poisoning of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> oxygen electrodes of solid oxide electrolysis cells under accelerated operation conditions. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 1419-1431	6.7	24
80	Feasibility of Direct Utilization of Biomass Gasification Product Gas Fuels in Tubular Solid Oxide Fuel Cells for On-Site Electricity Generation. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 1849-1857	4.1	25
79	Feasibility of tubular solid oxide fuel cells directly running on liquid biofuels. <i>Chemical Engineering Science</i> , <b>2016</b> , 154, 108-118	4.4	19
78	Origin of low frequency inductive impedance loops of O <sub>2</sub> reduction reaction of solid oxide fuel cells. <i>Solid State Ionics</i> , <b>2016</b> , 291, 33-41	3.3	12
77	Amino-functionalized mesoporous silica based polyethersulfone-polyvinylpyrrolidone composite membranes for elevated temperature proton exchange membrane fuel cells. <i>RSC Advances</i> , <b>2016</b> , 6, 86575-86585	3.7	22
76	Improved gas diffusion within microchanneled cathode supports of SOECs for steam electrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 19829-19835	6.7	21
75	Sm <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> infiltrated Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2</sub> composite cathodes for high performance protonic ceramic fuel cells. <i>Journal of Power Sources</i> , <b>2016</b> , 333, 24-29	8.9	19
74	Electrochemically Driven Deactivation and Recovery in PrBaCo <sub>2</sub> O <sub>5</sub> +x Oxygen Electrodes for Reversible Solid Oxide Fuel Cells. <i>ChemSusChem</i> , <b>2016</b> , 9, 2443-50	8.3	24
73	Chromium deposition and poisoning at La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-x</sub> oxygen electrodes of solid oxide electrolysis cells. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1601-9	3.6	39
72	Chromium deposition and poisoning of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> oxygen electrodes of solid oxide electrolysis cells. <i>Faraday Discussions</i> , <b>2015</b> , 182, 457-76	3.6	27
71	Performance degradation of SmBaCo <sub>2</sub> O <sub>5</sub> +x cathode induced by chromium deposition for solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 327-331	6.7	15
70	Highly chromium contaminant tolerant BaO infiltrated La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-x</sub> cathodes for solid oxide fuel cells. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 4870-4	3.6	46
69	Cr deposition on porous La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-x</sub> electrodes of solid oxide cells under open circuit condition. <i>Solid State Ionics</i> , <b>2015</b> , 281, 29-37	3.3	22
68	A Fundamental Study of Boron Deposition and Poisoning of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Cathode of Solid Oxide Fuel Cells under Accelerated Conditions. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F1282-F1291	3.9	11
67	Why solid oxide cells can be reversibly operated in solid oxide electrolysis cell and fuel cell modes?. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 31308-15	3.6	47

66	Hydrogen Production from Water and Air Through Solid Oxide Electrolysis. <i>Biofuels and Biorefineries</i> , <b>2015</b> , 223-248	0.3	2
65	New zinc and bismuth doped glass sealants with substantially suppressed boron deposition and poisoning for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18655-18665	13	26
64	Effect of temperature on the chromium deposition and poisoning of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> cathodes of solid oxide fuel cells. <i>Electrochimica Acta</i> , <b>2014</b> , 139, 173-179	6.7	30
63	Performance and structural stability of Gd <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> infiltrated La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> nano-structured oxygen electrodes of solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 10349-10358	6.7	40
62	Effect of Volatile Boron Species on the Electrocatalytic Activity of Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, F1163-F1170	3.9	14
61	Sulfur Deposition and Poisoning of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> Cathode Materials of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, F1133-F1139	3.9	36
60	Performance stability and degradation mechanism of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> cathodes under solid oxide fuel cells operation conditions. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 15868-15876	6.7	70
59	Degradation and Durability of Electrodes of Solid Oxide Fuel Cells <b>2013</b> , 245-307		5
58	SmBaCo <sub>2</sub> O <sub>5+<math>\delta</math></sub> as High Efficient Oxygen Electrode of Solid Oxide Electrolysis Cells. <i>ECS Transactions</i> , <b>2013</b> , 57, 3189-3196	1	6
57	Effect of Boron Deposition and Poisoning on the Surface Exchange Properties of LSCF Electrode Materials of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, F682-F686	3.9	31
56	Ag decorated (Ba,Sr)(Co,Fe)O <sub>3</sub> cathodes for solid oxide fuel cells prepared by electroless silver deposition. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 2413-2420	6.7	28
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53	Effect of Volatile Boron Species on the Microstructure and Composition of (La,Sr)MnO <sub>3</sub> and (La,Sr)(Co,Fe)O <sub>3</sub> Cathode Materials of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, F1033-F1039	3.9	19
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51	Effect of Volatile Boron Species on the Electrocatalytic Activity of Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, F183-F190	3.9	28
50	Reasons for the high stability of nano-structured (La,Sr)MnO <sub>3</sub> infiltrated Y <sub>2</sub> O <sub>3</sub> ZrO <sub>2</sub> composite oxygen electrodes of solid oxide electrolysis cells. <i>Electrochemistry Communications</i> , <b>2012</b> , 19, 119-122	5.1	41
49	Effect of characteristics of (Sm,Ce)O <sub>2</sub> powder on the fabrication and performance of anode-supported solid oxide fuel cells. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 121-129	5.1	6

48	Enhanced Performance of Solid Oxide Fuel Cell by Manipulating the Orientation of Cylindrical Pores in Anode Substrate. <i>Fuel Cells</i> , <b>2012</b> , 12, 41-46	2.9	6
47	Impact of volatile boron species on the microstructure and performance of nano-structured (Gd,Ce)O <sub>2</sub> infiltrated (La,Sr)MnO <sub>3</sub> cathodes of solid oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2012</b> , 23, 129-132	5.1	31
46	Performance and stability of (La,Sr)MnO <sub>3</sub> /ZrO <sub>2</sub> composite oxygen electrodes under solid oxide electrolysis cell operation conditions. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 10517-10525	6.7	67
45	A model for the delamination kinetics of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> oxygen electrodes of solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 13914-13920	6.7	27
44	Evaluation of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> ) <sub>0.85</sub> Gd <sub>0.15</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> cathode for intermediate temperature solid oxide fuel cell. <i>Ceramics International</i> , <b>2012</b> , 38, 3039-3046	5.1	18
43	Enhanced electrochemical performance and stability of (La,Sr)MnO <sub>3</sub> /(Gd,Ce)O <sub>2</sub> oxygen electrodes of solid oxide electrolysis cells by palladium infiltration. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 1301-1310	6.7	44
42	Failure mechanism of (La,Sr)MnO <sub>3</sub> oxygen electrodes of solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 10541-10549	6.7	137
41	Vacuum-assisted electroless copper plating on Ni/(Sm,Ce)O <sub>2</sub> anodes for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 7661-7669	6.7	19
40	Paper-Fibres Used as a Pore-Former for Anode Substrate of Solid Oxide Fuel Cell. <i>Fuel Cells</i> , <b>2011</b> , 11, 172-177	2.9	14
39	Redox of Ni/YSZ anodes and oscillatory behavior in single-chamber SOFC under methane oxidation conditions. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 6688-6695	6.7	26
38	A right-angular configuration for the single-chamber solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 3147-3152	6.7	3
37	Development of (Gd,Ce)O <sub>2</sub> -Impregnated (La,Sr)MnO <sub>3</sub> Anodes of High Temperature Solid Oxide Electrolysis Cells. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, P89	3.9	36
36	A Configuration for Improving the Performance of Coplanar Single-Chamber Solid Oxide Fuel Cell. <i>Electrochemical and Solid-State Letters</i> , <b>2010</b> , 13, B14		10
35	Nanostructured (Ba,Sr)(Co,Fe)O <sub>3</sub> Impregnated (La,Sr)MnO <sub>3</sub> Cathode for Intermediate-Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, B1033	3.9	48
34	Fabrication and performance of membrane solid oxide fuel cells with La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> impregnated anodes. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 1793-1798	8.9	35
33	Novel polymer fibers prepared by electrospinning for use as the pore-former for the anode of solid oxide fuel cell. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 5538-5544	6.7	31
32	Ni/SDC Nanoparticles Modified La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>3</sub> as Anodes for Solid Oxide Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , <b>2009</b> , 12, B161		7
31	Effect of the Cell Distance on the Cathode in Single Chamber SOFC Short Stack. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B1253	3.9	13



30	A Novel Cell-Array Design for Single Chamber SOFC Microstack. <i>Fuel Cells</i> , <b>2009</b> , 9, 717-721	2.9	15
29	Enhanced performance of solid oxide fuel cells with Ni/CeO <sub>2</sub> modified La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> anodes. <i>Journal of Power Sources</i> , <b>2009</b> , 190, 326-330	8.9	43
28	Study on impedance spectra of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> and Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> -impregnated La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> cathode in single chamber fuel cell condition. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 4726-4730	6.7	11
27	Performance evolution of NiO/yttria-stabilized zirconia anodes fabricated at different compaction pressures. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 1355-1361	6.7	11
26	NiO+YSZ anode substrate for screen-printing fabrication of YSZ electrolyte film in solid oxide fuel cell. <i>Journal of Physics and Chemistry of Solids</i> , <b>2009</b> , 70, 164-168	3.9	15
25	Behavior of 3mol% yttria-stabilized tetragonal zirconia polycrystal film prepared by slurry spin coating. <i>Journal of Power Sources</i> , <b>2009</b> , 186, 128-132	8.9	13
24	Characterization of GdBaCo <sub>2</sub> O <sub>5</sub> + $\lambda$ cathode for IT-SOFCs. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 454, 274-279	5.7	84
23	Characteristics of NiO-YSZ anode based on NiO particles synthesized by the precipitation method. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 454, 447-453	5.7	30
22	Study on Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> Sm <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> composite cathode materials for IT-SOFCs. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 465, 274-279	5.7	38
21	Effect of composite pore-former on the fabrication and performance of anode-supported membranes for SOFCs. <i>Journal of Membrane Science</i> , <b>2008</b> , 318, 445-451	9.6	59
20	Experimental study on effect of compaction pressure on performance of SOFC anodes. <i>Journal of Power Sources</i> , <b>2008</b> , 180, 301-308	8.9	11
19	Improvement of output performance of solid oxide fuel cell by optimizing Ni/samaria-doped ceria anode functional layer. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 153-158	8.9	13
18	Performance of an anode-supported SOFC with anode functional layers. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 7825-7830	6.7	101
17	Novel in situ method (vacuum assisted electroless plating) modified porous cathode for solid oxide fuel cells. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 844-847	5.1	22
16	Electrochemical performance of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> ) <sub>0.9</sub> Sm <sub>0.1</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> as an intermediate temperature solid oxide fuel cell cathode. <i>Journal of Power Sources</i> , <b>2007</b> , 165, 97-101	8.9	29
15	Effect of SDC-impregnated LSM cathodes on the performance of anode-supported YSZ films for SOFCs. <i>Journal of Power Sources</i> , <b>2007</b> , 167, 84-89	8.9	41
14	Effects of anode surface modification on the performance of low temperature SOFCs. <i>Journal of Power Sources</i> , <b>2007</b> , 171, 489-494	8.9	33
13	Fabrication and performance of anode-supported YSZ films by slurry spin coating. <i>Solid State Ionics</i> , <b>2007</b> , 177, 3455-3460	3.3	48

12	YSZ films fabricated by a spin smoothing technique and its application in solid oxide fuel cell. <i>Journal of Power Sources</i> , <b>2007</b> , 163, 957-959	8.9	36
11	Study of slurry spin coating technique parameters for the fabrication of anode-supported YSZ Films for SOFCs. <i>Journal of Power Sources</i> , <b>2007</b> , 164, 17-23	8.9	29
10	Enhanced performance of a single-chamber solid oxide fuel cell with an SDC-impregnated cathode. <i>Journal of Power Sources</i> , <b>2007</b> , 167, 58-63	8.9	34
9	Development of LSM-based cathodes for solid oxide fuel cells based on YSZ films. <i>Journal of Power Sources</i> , <b>2007</b> , 172, 742-748	8.9	45
8	Anode-Supported Micro-SOFC Stacks Operated under Single-Chamber Conditions. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, B588	3.9	22
7	Screen-printed thin YSZ films used as electrolytes for solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2006</b> , 159, 1048-1050	8.9	59
6	Preparation of Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> membranes on porous substrates by a slurry spin coating method and its application in IT-SOFC. <i>Journal of Membrane Science</i> , <b>2006</b> , 286, 255-259	9.6	37
5	Preparation of YSZ film by EPD and its application in SOFCs. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 424, 299-303	5.7	56
4	Low temperature solid oxide fuel cells based on Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> films fabricated by slurry spin coating. <i>Journal of Power Sources</i> , <b>2006</b> , 159, 637-640	8.9	53
3	Development of yttria-stabilized zirconia thin films via slurry spin coating for intermediate-to-low temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 436-438	8.9	58
2	Solid oxide fuel cells with dense yttria-stabilized zirconia electrolyte membranes fabricated by a dry pressing process. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 1221-1224	8.9	26
1	Direct ammonia solid oxide fuel cells based on spinel ACo <sub>2</sub> O <sub>4</sub> (A=Zn, Fe, Ni) composite cathodes at intermediate temperature. <i>International Journal of Green Energy</i> , 1-10	3	