Fanglin Chen

List of Publications by Year
in descending order

237 papers	12,079 citations	23567 58 h-index	38395 95 g-index
244 all docs	244 docs citations	244 times ranked	6603 citing authors

#	Article	IF	Citations
1	A Novel Electrode Material for Symmetrical SOFCs. Advanced Materials, 2010, 22, 5478-5482.	21.0	595
2	Sm0.5Sr0.5CoO3 cathodes for low-temperature SOFCs. Solid State Ionics, 2002, 149, 11-19.	2.7	576
3	Sulfurâ€Tolerant Redoxâ€Reversible Anode Material for Direct Hydrocarbon Solid Oxide Fuel Cells. Advanced Materials, 2012, 24, 1439-1443.	21.0	251
4	Nano-structured composite cathodes for intermediate-temperature solid oxide fuel cells via an infiltration/impregnation technique. Electrochimica Acta, 2010, 55, 3595-3605.	5.2	249
5	Highly ordered macroporous woody biochar with ultra-high carbon content as supercapacitor electrodes. Electrochimica Acta, 2013, 113, 481-489.	5.2	230
6	Enhancing grain boundary ionic conductivity in mixed ionicâ€“electronic conductors. Nature Communications, 2015, 6, 6824.	12.8	195
7	Reduced-Temperature Solid Oxide Fuel Cells Fabricated by Screen Printing. Electrochemical and Solid-State Letters, 2001, 4, A52.	2.2	192
8	In situ fabrication of CoFe alloy nanoparticles structured (Pr0.4Sr0.6)3(Fe0.85Nb0.15)2O7 ceramic anode for direct hydrocarbon solid oxide fuel cells. Nano Energy, 2015, 11, 704-710.	16.0	173
9	Unveiling Structureâ€“Property Relationships in Sr₂Fe_{1.5}Mo_{0.5}O_{6âˆ’Î´}, an Electrode Material for Symmetric Solid Oxide Fuel Cells. Journal of the American Chemical Society, 2012, 134, 6826-6833.	13.7	172
10	Perovskite Sr2Fe1.5Mo0.5O6âˆ’Î´ as electrode materials for symmetrical solid oxide electrolysis cells. International Journal of Hydrogen Energy, 2010, 35, 10039-10044.	7.1	166
11	Reconstruction of relaxation time distribution from linear electrochemical impedance spectroscopy. Journal of Power Sources, 2015, 283, 464-477.	7.8	164
12	Synthesis and characterization of Mo-doped SrFeO3âˆ’Î´ as cathode materials for solid oxide fuel cells. Journal of Power Sources, 2012, 202, 63-69.	7.8	147
13	Synthesis, characterization and evaluation of PrBaCo2âˆ’xFexO5+Î´ as cathodes for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 3658-3665.	7.1	144
14	Low temperature solid oxide fuel cells with hierarchically porous cathode nano-network. Nano Energy, 2014, 8, 25-33.	16.0	144
15	Fabrication and modification of solid oxide fuel cell anodes via wet impregnation/infiltration technique. Journal of Power Sources, 2013, 237, 243-259.	7.8	140
16	Direct synthesis of methane from CO₂â€“H₂O co-electrolysis in tubular solid oxide electrolysis cells. Energy and Environmental Science, 2014, 7, 4018-4022.	30.8	139
17	Highly efficient electrochemical reforming of CH ₄ /CO ₂ in a solid oxide electrolyser. Science Advances, 2018, 4, eaar5100.	10.3	136
18	Sr2Fe1.5Mo0.5O6âˆ’Î´ as a regenerative anode for solid oxide fuel cells. Journal of Power Sources, 2011, 196, 9148-9153.	7.8	130

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19	A novel fuel electrode enabling direct CO₂ electrolysis with excellent and stable cell performance. Journal of Materials Chemistry A, 2017, 5, 20833-20842.	10.3	128
20	Preparation of yttria-stabilized zirconia (YSZ) films on La0.85Sr0.15MnO3 (LSM) and LSMâ€“YSZ substrates using an electrophoretic deposition (EPD) process. Journal of the European Ceramic Society, 2001, 21, 127-134.	5.7	127
21	Sr2Fe1.5Mo0.5O6 as Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells with La0.8Sr0.2Ga0.87Mg0.13O3 Electrolyte. Journal of the Electrochemical Society, 2011, 158, B455.	2.9	122
22	Preparation of mesoporous tin oxide for electrochemical applications. Chemical Communications, 1999, , 1829-1830.	4.1	120
23	Progress Report on Proton Conducting Solid Oxide Electrolysis Cells. Advanced Functional Materials, 2019, 29, 1903805.	14.9	120
24	Electrochemical characteristics of solid oxide fuel cell cathodes prepared by infiltrating (La,Sr)MnO3 nanoparticles into yttria-stabilized bismuth oxide backbones. International Journal of Hydrogen Energy, 2010, 35, 8322-8330.	7.1	106
25	High temperature solid oxide electrolysis cell employing porous structured (La0.75Sr0.25)0.95MnO3 with enhanced oxygen electrode performance. International Journal of Hydrogen Energy, 2010, 35, 3221-3226.	7.1	104
26	Direct-methane solid oxide fuel cells with hierarchically porous Ni-based anode deposited with nanocatalyst layer. Nano Energy, 2014, 10, 1-9.	16.0	100
27	Synthesis and characterization of BaIn0.3âˆ’xYxCe0.7O3âˆ’Î´ (xÂ=Â0, 0.1, 0.2, 0.3) proton conductors. International Journal of Hydrogen Energy, 2010, 35, 4258-4263.	7.1	96
28	High temperature solid oxide H2O/CO2 co-electrolysis for syngas production. Fuel Processing Technology, 2017, 161, 248-258.	7.2	95
29	A durable, high-performance hollow-nanofiber cathode for intermediate-temperature fuel cells. Nano Energy, 2016, 26, 90-99.	16.0	93
30	Electrochemical conversion of methane to ethylene in a solid oxide electrolyzer. Nature Communications, 2019, 10, 1173.	12.8	93
31	Mesoporous catalytic filters for semiconductor gas sensors. Thin Solid Films, 2003, 436, 64-69.	1.8	91
32	Microporous La0.8Sr0.2MnO3 perovskite nanorods as efficient electrocatalysts for lithiumâ€“air battery. Journal of Power Sources, 2015, 293, 726-733.	7.8	91
33	Intermediate-temperature solid oxide electrolysis cells with thin proton-conducting electrolyte and a robust air electrode. Journal of Materials Chemistry A, 2017, 5, 22945-22951.	10.3	91
34	Ba0.9Co0.7Fe0.2Nb0.1O3âˆ’Î´ as cathode material for intermediate temperature solid oxide fuel cells. Electrochemistry Communications, 2011, 13, 882-885.	4.7	90
35	Syngas production on a symmetrical solid oxide H2O/CO2 co-electrolysis cell with Sr2Fe1.5Mo0.5O6â€“Sm0.2Ce0.8O1.9 electrodes. Journal of Power Sources, 2016, 305, 240-248.	7.8	90
36	Performance evaluation of La0.4Sr0.6Co0.2Fe0.7Nb0.1O3âˆ’Î´ as both anode and cathode material in solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 7402-7406.	7.1	88

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37	Hierarchically Oriented Macroporous Anode-Supported Solid Oxide Fuel Cell with Thin Ceria Electrolyte Film. ACS Applied Materials & Interfaces, 2014, 6, 5130-5136.	8.0	87
38	Novel functionally graded acicular electrode for solid oxide cells fabricated by the freeze-tape-casting process. Journal of Power Sources, 2012, 213, 93-99.	7.8	85
39	A review on cathode processes and materials for electro-reduction of carbon dioxide in solid oxide electrolysis cells. Journal of Power Sources, 2021, 493, 229713.	7.8	83
40	Bismuth Doped Lanthanum Ferrite Perovskites as Novel Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2014, 6, 11286-11294.	8.0	81
41	Chemical stability study of BaCe0.9Nd0.1O3â^'Î± high-temperature proton-conducting ceramic. Journal of Materials Chemistry, 1997, 7, 481-485.	6.7	80
42	Novel nano-network cathodes for solid oxide fuel cells. Journal of Power Sources, 2008, 185, 13-18.	7.8	80
43	Oxygen surface exchange properties of La0.6Sr0.4Co0.8Fe0.2O3Ââˆ' Î´ coated with SmxCe1Ââˆ' xO2Ââˆ' Î´. Journal of Power Sources, 2012, 218, 254-260.	7.8	80
44	Effects on microstructure of NiOâ€"YSZ anode support fabricated by phase-inversion method. Journal of Membrane Science, 2010, 363, 250-255.	8.2	78
45	Micro-tubular solid oxide fuel cells fabricated by phase-inversion method. Electrochemistry Communications, 2010, 12, 657-660.	4.7	76
46	La0.75Sr0.25Cr0.5Mn0.5O3 as hydrogen electrode for solid oxide electrolysis cells. International Journal of Hydrogen Energy, 2011, 36, 3340-3346.	7.1	74
47	Sr₂Fe_{1.5}Mo_{0.5}O_{6â^'Î´}-Sm_{0.2}Ce_{0.8}O_{1.9}Composite Anodes for Intermediate-Temperature Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2012, 159, B619-B626.	2.9	73
48	Evaluation of Li2O as an efficient sintering aid for gadolinia-doped ceria electrolyte for solid oxide fuel cells. Journal of Power Sources, 2014, 261, 255-263.	7.8	72
49	Characterization of infiltrated (La0.75Sr0.25)0.95MnO3 as oxygen electrode for solid oxide electrolysis cells. International Journal of Hydrogen Energy, 2010, 35, 5187-5193.	7.1	69
50	Enhancement in surface exchange coefficient and electrochemical performance of Sr2Fe1.5Mo0.5O6 electrodes by Ce0.8Sm0.2O1.9 nanoparticles. Electrochemistry Communications, 2011, 13, 711-713.	4.7	69
51	Sr2Fe4/3Mo2/3O6 as anodes for solid oxide fuel cells. Journal of Power Sources, 2010, 195, 8071-8074.	7.8	68
52	Fabrication and characterization of anode-supported micro-tubular solid oxide fuel cell based on BaZr0.1Ce0.7Y0.1Yb0.1O3â^'Î´ electrolyte. Journal of Power Sources, 2011, 196, 688-691.	7.8	68
53	Theoretical Investigation of H₂ Oxidation on the Sr₂Fe_{1.5}Mo_{0.5}O₆ (001) Perovskite Surface under Anodic Solid Oxide Fuel Cell Conditions. Journal of the American Chemical Society, 2014, 136, 8374-8386.	13.7	68
54	Ba 1â^'x Co 0.9â^'y Fe y Nb 0.1 O 3â^'Î´ (x Â=Â0â€"0.15, y Â=Â0â€"0.9) as cathode materials for solid oxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 9162-9168.	7.1	67

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55	Electrochemical characteristics of nano-structured PrBaCo2O5+x cathodes fabricated with ion impregnation process. Journal of Power Sources, 2012, 203, 34-41.	7.8	62
56	Steam electrolysis in a solid oxide electrolysis cell fabricated by the phase-inversion tape casting method. Electrochemistry Communications, 2015, 61, 106-109.	4.7	62
57	Electrochemical Dehydrogenation of Ethane to Ethylene in a Solid Oxide Electrolyzer. ACS Catalysis, 2020, 10, 3505-3513.	11.2	62
58	Synthesis of BaCe0.7Zr0.1Y0.1Yb0.1O3-Î´ proton conducting ceramic by a modified Pechini method. Solid State Ionics, 2012, 213, 29-35.	2.7	61
59	In-situ quantification of solid oxide fuel cell electrode microstructure by electrochemical impedance spectroscopy. Journal of Power Sources, 2015, 277, 277-285.	7.8	61
60	Performance enhancement of Ni-YSZ electrode by impregnation of Mo0.1Ce0.9O2+Î´. Journal of Power Sources, 2012, 204, 40-45.	7.8	60
61	Enhanced carbon dioxide electrolysis at redox manipulated interfaces. Nature Communications, 2019, 10, 1550.	12.8	59
62	Three-dimensional branched single-crystal Î²-Co(OH)2 nanowire array and its application for supercapacitor with excellent electrochemical property. Nano Energy, 2014, 10, 153-162.	16.0	58
63	A robust solid oxide electrolyzer for highly efficient electrochemical reforming of methane and steam. Journal of Materials Chemistry A, 2019, 7, 13550-13558.	10.3	58
64	La0.4Bi0.4Sr0.2FeO3-Î´ as Cobalt-free Cathode for Intermediate-Temperature Solid Oxide Fuel Cell. Electrochimica Acta, 2016, 191, 651-660.	5.2	56
65	Preparation of Nd-doped BaCeO3 proton-conducting ceramic and its electrical properties in different atmospheres. Journal of the European Ceramic Society, 1998, 18, 1389-1395.	5.7	54
66	Ni modified ceramic anodes for direct-methane solid oxide fuel cells. Electrochemistry Communications, 2011, 13, 57-59.	4.7	53
67	Redox-Reversible Electrode Material for Direct Hydrocarbon Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2020, 12, 13988-13995.	8.0	53
68	Ni modified ceramic anodes for solid oxide fuel cells. Journal of Power Sources, 2012, 201, 43-48.	7.8	52
69	Enhanced Oxygen Reduction Activity on Ruddlesdenâ€"Popper Phase Decorated La_{0.8}Sr_{0.2}FeO_{3â^'Î´} 3D Heterostructured Cathode for Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2017, 9, 8659-8668.	8.0	52
70	Improving the chemical stability of BaCe0.8Sm0.2O3â^'Î´ electrolyte by Cl doping for proton-conducting solid oxide fuel cell. Electrochemistry Communications, 2013, 28, 87-90.	4.7	50
71	A novel clean and effective syngas production system based on partial oxidation of methane assisted solid oxide co-electrolysis process. Journal of Power Sources, 2015, 277, 261-267.	7.8	50
72	Mathematical modeling of a proton-conducting solid oxide fuel cell with current leakage. Journal of Power Sources, 2018, 400, 333-340.	7.8	50

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73	Preparation of mesoporous SnO2â€“SiO2 composite as electrodes for lithium batteries. Chemical Communications, 2000, , 2095-2096.	4.1	48
74	A highly active hybrid catalyst modified (La0.60Sr0.40)0.95Co0.20Fe0.80O3-Î´ cathode for proton conducting solid oxide fuel cells. Journal of Power Sources, 2018, 389, 1-7.	7.8	48
75	La0.6Sr1.4MnO4 layered perovskite anode material for intermediate temperature solid oxide fuel cells. Electrochemistry Communications, 2012, 14, 75-77.	4.7	47
76	Highly Efficient CO₂ Electrolysis on Cathodes with Exsolved Alkaline Earth Oxide Nanostructures. ACS Applied Materials & Interfaces, 2017, 9, 25350-25357.	8.0	47
77	Robust redox-reversible perovskite type steam electrolyser electrode decorated with <i>in situ</i> exsolved metallic nanoparticles. Journal of Materials Chemistry A, 2020, 8, 582-591.	10.3	47
78	BaCo0.7Fe0.2Nb0.1O3âˆ'Î´ as cathode material for intermediate temperature solid oxide fuel cells. Journal of Power Sources, 2011, 196, 9164-9168.	7.8	46
79	Microstructure Tailoring of the Nickel Oxideâ€“Yttria-Stabilized Zirconia Hollow Fibers toward High-Performance Microtubular Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2014, 6, 18853-18860.	8.0	46
80	Barium carbonate nanoparticle to enhance oxygen reduction activity of strontium doped lanthanum ferrite for solid oxide fuel cell. Journal of Power Sources, 2015, 278, 741-750.	7.8	46
81	Energy storage and hydrogen production by proton conducting solid oxide electrolysis cells with a novel heterogeneous design. Energy Conversion and Management, 2020, 218, 113044.	9.2	46
82	Distributions of noble metal Pd and Pt in mesoporous silica. Applied Physics Letters, 2002, 81, 3449-3451.	3.3	45
83	Ba0.9Co0.5Fe0.4Nb0.1O3âˆ'Î´ as novel oxygen electrode for solid oxide electrolysis cells. International Journal of Hydrogen Energy, 2011, 36, 11572-11577.	7.1	45
84	In-situ growth of metallic nanoparticles on perovskite parent as a hydrogen electrode for solid oxide cells. Journal of Power Sources, 2018, 405, 114-123.	7.8	45
85	Thermodynamic and experimental assessment of proton conducting solid oxide fuel cells with internal methane steam reforming. Applied Energy, 2018, 224, 280-288.	10.1	45
86	Melt processed multiphase ceramic waste forms for nuclear waste immobilization. Journal of Nuclear Materials, 2014, 454, 12-21.	2.7	44
87	Stability Investigation for Symmetric Solid Oxide Fuel Cell with La_{0.4}Sr_{0.6}Co_{0.2}Fe_{0.7}Nb_{0.1}O_{3-Î´}Electrode. Journal of the Electrochemical Society, 2015, 162, F718-F721.	2.9	44
88	La_{0.7}Sr_{0.3}Fe_{0.7}Ga_{0.3}O_{3âˆ'Î´} as electrode material for a symmetrical solid oxide fuel cell. RSC Advances, 2015, 5, 2702-2705.	3.6	44
89	Study of transition metal oxide doped LaGaO 3 as electrode materials for LSGM-based solid oxide fuel cells. Journal of Solid State Electrochemistry, 1998, 3, 7-14.	2.5	43
90	Barium carbonate nanoparticle as high temperature oxygen reduction catalyst for solid oxide fuel cell. Electrochemistry Communications, 2015, 51, 93-97.	4.7	43

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91	The co-electrolysis of CO₂â€“H₂O to methane via a novel micro-tubular electrochemical reactor. Journal of Materials Chemistry A, 2017, 5, 2904-2910.	10.3	43
92	Novel Chemically Stable Ba₃Ca_{1.18}Nb_{1.82â€“<i>x</i>}Y_{<i>x</i>}O_{9âˆ’Î´} Proton Conductor: Improved Proton Conductivity through Tailored Cation Ordering. Chemistry of Materials, 2014, 26, 2021-2029.	6.7	42
93	Electron doping of Sr₂FeMoO_{6âˆ’Î´} as high performance anode materials for solid oxide fuel cells. Journal of Materials Chemistry A, 2019, 7, 733-743.	10.3	42
94	Nano-structured Sm0.5Sr0.5CoO3âˆ’Î´ electrodes for intermediate-temperature SOFCs with zirconia electrolytes. Solid State Ionics, 2011, 192, 591-594.	2.7	41
95	Ni-doped Sr₂Fe_{1.5}Mo_{0.5}O_{6-Î´}as Anode Materials for Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2014, 161, F305-F310.	2.9	41
96	Co-electrolysis of H₂O and CO₂in a solid oxide electrolysis cell with hierarchically structured porous electrodes. Journal of Materials Chemistry A, 2015, 3, 15913-15919.	10.3	41
97	Influence of crystal structure on the electrochemical performance of A-site-deficient Sr_{1âˆ’s}Nb_{0.1}Co_{0.9}O_{3âˆ’Î´} perovskite cathodes. RSC Advances, 2014, 4, 40865-40872.	3.6	40
98	Fabrication of micro-tubular solid oxide fuel cells using sulfur-free polymer binder via a phase inversion method. Journal of Power Sources, 2015, 290, 1-7.	7.8	40
99	Performance of solid oxide fuel cells based on proton-conducting BaCe0.7In0.3-xYxO3-Î´ electrolyte. International Journal of Hydrogen Energy, 2010, 35, 11194-11199.	7.1	39
100	High performance solid oxide electrolysis cells using Pr0.8Sr1.2(Co,Fe)0.8Nb0.2O4+Î´â€“Coâ€“Fe alloy hydrogen electrodes. International Journal of Hydrogen Energy, 2013, 38, 11202-11208.	7.1	39
101	Hydrogen permeability and chemical stability of Niâ€“BaZr0.1Ce0.7Y0.1Yb0.1O3âˆ’Î´ membrane in concentrated H2O and CO2. Journal of Membrane Science, 2014, 467, 85-92.	8.2	39
102	Releasing Metal Catalysts via Phase Transition: (NiO)_{0.05}-(SrTi_{0.8}Nb_{0.2}O₃)_{0.95} as a Redox Stable Anode Material for Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2014, 6, 19990-19996.	8.0	39
103	Self-Assembled Magnetic Metallic Nanopillars in Ceramic Matrix with Anisotropic Magnetic and Electrical Transport Properties. ACS Applied Materials & Interfaces, 2016, 8, 20283-20291.	8.0	39
104	Layered perovskite PrBa0.5Sr0.5Co2O5+Î´ as high performance cathode for solid oxide fuel cells using oxide proton-conducting electrolyte. Journal of Power Sources, 2010, 195, 5468-5473.	7.8	38
105	A review on anode on-cell catalyst reforming layer for direct methane solid oxide fuel cells. International Journal of Hydrogen Energy, 2021, 46, 25208-25224.	7.1	38
106	Sm0.2(Ce1âˆ’xTix)0.8O1.9 modified Niâ€“yttria-stabilized zirconia anode for direct methane fuel cell. Journal of Power Sources, 2011, 196, 4987-4991.	7.8	37
107	High performance low temperature solid oxide fuel cells with novel electrode architecture. RSC Advances, 2012, 2, 12118.	3.6	37
108	Stability and electrical property of Ba1âˆ’xSrxCe0.8Y0.2O3âˆ’Î´ high temperature proton conductor. Journal of Alloys and Compounds, 2010, 506, 263-267.	5.5	36

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109	Efficient syngas generation for electricity storage through carbon gasification assisted solid oxide co-electrolysis. Applied Energy, 2016, 173, 52-58.	10.1	36
110	Co-generation of electricity and chemicals from propane fuel in solid oxide fuel cells with anode containing nano-bimetallic catalyst. Journal of Power Sources, 2014, 262, 421-428.	7.8	35
111	A high performance intermediate-temperature solid oxide fuel cell using impregnated La0.6Sr0.4CoO3âˆ’Î´ cathode. Journal of Alloys and Compounds, 2009, 487, 781-785.	5.5	34
112	Direct-methane solid oxide fuel cells with Cu1.3Mn1.7O4 spinel internal reforming layer. Electrochemistry Communications, 2010, 12, 1450-1452.	4.7	34
113	Two-step sintering of ultrafine-grained barium cerate proton conducting ceramics. Electrochimica Acta, 2013, 87, 194-200.	5.2	34
114	Preparation and thermoelectric properties of inhomogeneous bismuth telluride alloyed nanorods. Journal of Alloys and Compounds, 2013, 570, 86-93.	5.5	34
115	A sinteractive Niâ€“BaZr0.8Y0.2O3âˆ’Î´ composite membrane for hydrogen separation. Journal of Materials Chemistry A, 2014, 2, 5825.	10.3	34
116	Enhanced CO₂ electrolysis with a SrTiO₃ cathode through a dual doping strategy. Journal of Materials Chemistry A, 2019, 7, 2764-2772.	10.3	33
117	Power and carbon monoxide co-production by a proton-conducting solid oxide fuel cell with La_{0.6}Sr_{0.2}Cr_{0.85}Ni_{0.15}O_{3âˆ’Î´} for on-cell dry reforming of CH₄ by CO₂. Journal of Materials Chemistry A, 2020, 8, 9806-9812.	10.3	33
118	Doping effects on complex perovskite Ba3Ca1.18Nb1.82O9âˆ’Î´ intermediate temperature proton conductor. Journal of Power Sources, 2011, 196, 7917-7923.	7.8	32
119	Unprecedented CO₂-Promoted Hydrogen Permeation in Ni-BaZr_{0.1}Ce_{0.7}Y_{0.1}Yb_{0.1}O_{3âˆ’Î´} Membrane. ACS Applied Materials & Interfaces, 2014, 6, 725-730.	8.0	32
120	Progress report on the catalyst layers for hydrocarbon-fueled SOFCs. International Journal of Hydrogen Energy, 2021, 46, 39369-39386.	7.1	32
121	Bi0.5Sr0.5MnO3 as cathode material for intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2011, 196, 999-1005.	7.8	31
122	Synthesis and formation mechanism of CuInS₂ nanocrystals with a tunable phase. CrystEngComm, 2014, 16, 9596-9602.	2.6	31
123	Novel structured Sm0.5Sr0.5CoO3-Î´ cathode for intermediate and low temperature solid oxide fuel cells. Electrochimica Acta, 2020, 341, 136031.	5.2	31
124	Performances of micro-tubular solid oxide cell with novel asymmetric porous hydrogen electrode. Electrochimica Acta, 2010, 56, 80-84.	5.2	30
125	Random-packing model for solid oxide fuel cell electrodes with particle size distributions. Journal of Power Sources, 2011, 196, 1983-1991.	7.8	30
126	Sintering of Samarium-doped ceria powders prepared by a glycine-nitrate process. Solid State Ionics, 2011, 192, 580-583.	2.7	30

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127	Characteristics of the Hydrogen Electrode in High Temperature Steam Electrolysis Process. Journal of the Electrochemical Society, 2011, 158, B1217.	2.9	30
128	Effects of doped ceria conductivity on the performance of La0.6Sr0.4Co0.2Fe0.8O3â^'Î´ cathode for solid oxide fuel cell. International Journal of Hydrogen Energy, 2012, 37, 8582-8591.	7.1	30
129	Electrical characterization and water sensitivity of Sr2Fe1.5Mo0.5O6â^'Î´ as a possible solid oxide fuel cell electrode. Journal of Power Sources, 2013, 237, 13-18.	7.8	30
130	Redox Stable Anodes for Solid Oxide Fuel Cells. Frontiers in Energy Research, 2014, 2, .	2.3	30
131	Carbon-coating functionalized La0.6Sr1.4MnO4+Î´ layered perovskite oxide: enhanced catalytic activity for the oxygen reduction reaction. RSC Advances, 2015, 5, 974-980.	3.6	30
132	Enhanced water desalination performance through hierarchically-structured ceramic membranes. Journal of the European Ceramic Society, 2017, 37, 2431-2438.	5.7	30
133	Ni infiltrated Sr2Fe1.5Mo0.5O6-Î´-Ce0.8Sm0.2O1.9 electrode for methane assisted steam electrolysis process. Electrochemistry Communications, 2017, 79, 63-67.	4.7	30
134	Preparation of Nd-doped barium cerate through different routes. Solid State Ionics, 1997, 100, 63-72.	2.7	29
135	Novel light-weight, high-performance anode-supported microtubular solid oxide fuel cells with an active anode functional layer. Journal of Power Sources, 2015, 293, 852-858.	7.8	29
136	Molybdenum-based double perovskites A2CrMoO6â^' (AÂ= Ca, Sr, Ba) as anode materials for solid oxide fuel cells. Electrochimica Acta, 2018, 290, 440-450.	5.2	29
137	Structural and Electrical Characterization of a Novel Mixed Conductor: CeO[sub 2]-Sm[sub 2]O[sub 3]-ZrO[sub 2] Solid Solution. Journal of the Electrochemical Society, 2000, 147, 4196.	2.9	28
138	High-performance solid oxide fuel cells based on a thin La0.8Sr0.2Ga0.8Mg0.2O3â^'Î´ electrolyte membrane supported by a nickel-based anode of unique architecture. Journal of Power Sources, 2016, 301, 199-203.	7.8	28
139	Effects of testing configurations and cell geometries on the performance of a SOFC: A modeling approach. International Journal of Hydrogen Energy, 2010, 35, 10495-10504.	7.1	27
140	BaZr0.1Ce0.7Y0.2O3â^'Î´ as an electronic blocking material for microtubular solid oxide fuel cells based on doped ceria electrolyte. Electrochemistry Communications, 2011, 13, 450-453.	4.7	27
141	A rapid analytical assessment tool for three dimensional electrode microstructural networks with geometric sensitivity. Journal of Power Sources, 2014, 246, 322-334.	7.8	27
142	Relationship between fabrication method and chemical stability of Niâ€"BaZr0.8Y0.2O3â^' membrane. Journal of Power Sources, 2015, 278, 614-622.	7.8	27
143	A dual-phase bilayer oxygen permeable membrane with hierarchically porous structure fabricated by freeze-drying tape-casting method. Journal of Membrane Science, 2016, 520, 354-363.	8.2	27
144	Self-rising synthesis of Niâ€"SDC cermets as anodes for solid oxide fuel cells. Journal of Power Sources, 2010, 195, 1543-1550.	7.8	26

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145	Hostâ€“guest interaction dictated selective adsorption and fluorescence quenching of a luminescent lightweight metalâ€“organic framework toward liquid explosives. Dalton Transactions, 2014, 43, 15237-15244.	3.3	26
146	High-throughput, super-resolution 3D reconstruction of nano-structured solid oxide fuel cell electrodes and quantification of microstructure-property relationships. Journal of Power Sources, 2019, 427, 112-119.	7.8	26
147	La[sub 0.85]Sr[sub 0.15]MnO[sub 3â^'Î] Infiltrated Y[sub 0.5]Bi[sub 1.5]O[sub 3] Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells. Electrochemical and Solid-State Letters, 2009, 12, B91.	2.2	25
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