

Lei Bi

List of Publications by Year in descending order

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135
papers

8,733
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28274

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docs citations

139
times ranked

4808
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance proton-conducting solid oxide fuel cells using the first-generation Sr-doped LaMnO ₃ cathode tailored with Zn ions. <i>Science China Materials</i> , 2022, 65, 675-682.	6.3	65
2	High-performing proton-conducting solid oxide fuel cells with triple-conducting cathode of Pr _{0.5} Ba _{0.5} (Co _{0.7} Fe _{0.3})O _{3-δ} tailored with W. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 1947-1953.	7.1	52
3	Triggering interfacial activity of the traditional La _{0.5} Sr _{0.5} MnO ₃ cathode with Co-doping for proton-conducting solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1726-1734.	10.3	61
4	Superior Electromagnetic Shielding and Mechanical Buffering Achieved by Alternating Conductive and Porous Supramolecular Networks. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	6
5	Tailoring Sr ₂ Fe _{1.5} Mo _{0.5} O ₆ with Sc as a new single-phase cathode for proton-conducting solid oxide fuel cells. <i>Science China Materials</i> , 2022, 65, 1485-1494.	6.3	66
6	Enhancing the performance of traditional La ₂ NiO _{4+x} cathode for proton-conducting solid oxide fuel cells with Zn-doping. <i>Ceramics International</i> , 2022, 48, 19626-19632.	4.8	30
7	A new Pr _{0.25} Nd _{0.25} Sr _{0.5} MnO ₃ cathode for proton-conducting solid oxide fuel cells. <i>Ceramics International</i> , 2022, 48, 11872-11878.	4.8	9
8	On the delamination of air electrodes of solid oxide electrolysis cells: A mini-review. <i>Electrochemistry Communications</i> , 2022, 137, 107267.	4.7	20
9	Tailoring BaCe _{0.8} Y _{0.2} O ₃ proton-conducting oxide with U ions for an enhanced stability. <i>Ceramics International</i> , 2022, 48, 17987-17993.	4.8	8
10	Evidence for in-situ electric-induced uranium incorporation into magnetite crystal in acidic wastewater. <i>Separation and Purification Technology</i> , 2022, 291, 120957.	7.9	8
11	A new Sc-doped La _{0.5} Sr _{0.5} MnO ₃ cathode allows high performance for proton-conducting solid oxide fuel cells. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00409.	3.3	13
12	A high-entropy spinel ceramic oxide as the cathode for proton-conducting solid oxide fuel cells. <i>Journal of Advanced Ceramics</i> , 2022, 11, 794-804.	17.4	102
13	Electrospun La _{0.5} Sr _{0.5} Mn _{0.875} Zn _{0.125} O ₃ nano-powders as a single-phase cathode for proton-conducting solid oxide fuel cells. <i>Ceramics International</i> , 2022, 48, 25228-25235.	4.8	8
14	Immobilizing U cations in Sr ₂ Fe ₂ O ₆ as a new cathode for proton-conducting solid oxide fuel cells. <i>Ceramics International</i> , 2022, 48, 28751-28758.	4.8	2
15	Advancing cathodic electrocatalysis via an in situ generated dense active interlayer based on CuO ₅ pyramid-structured Sm ₂ Ba _{1.33} Ce _{0.67} Cu ₃ O ₉ . <i>Journal of Materials Chemistry A</i> , 2022, 10, 15949-15959.	10.3	6
16	Defect engineering for electrocatalytic nitrogen reduction reaction at ambient conditions. <i>Sustainable Materials and Technologies</i> , 2021, 27, e00229.	3.3	27
17	Recent advances in layered Ln ₂ NiO ₄ nickelates: fundamentals and prospects of their applications in protonic ceramic fuel and electrolysis cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 154-195.	10.3	153
18	Improvement of the catalytic properties of porous lanthanum manganite for the oxygen reduction reaction by partial substitution of strontium for lanthanum. <i>Electrochemistry Communications</i> , 2021, 124, 106964.	4.7	41

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19	Perovskite ceramic oxide as an efficient electrocatalyst for nitrogen fixation. International Journal of Hydrogen Energy, 2021, 46, 10293-10302.	7.1	36
20	Tailoring electronic structure of perovskite cathode for proton-conducting solid oxide fuel cells with high performance. Journal of Power Sources, 2021, 489, 229486.	7.8	89
21	Exploring the Effect of NiO Addition to La _{0.99} Ca _{0.01} NbO ₄ Proton-Conducting Ceramic Oxides. Coatings, 2021, 11, 562.	2.6	1
22	MXene-based accordion 2D hybrid structure with Co ₉ S ₈ /C/Ti ₃ C ₂ T _x as efficient electromagnetic wave absorber. Chemical Engineering Journal, 2021, 414, 128875.	12.7	152
23	Density functional theory calculations for cathode materials of proton-conducting solid oxide fuel cells: A mini-review. Electrochemistry Communications, 2021, 129, 107072.	4.7	43
24	A non-polluting method for rapidly purifying uranium-containing wastewater and efficiently recovering uranium through electrochemical mineralization and oxidative roasting. Journal of Hazardous Materials, 2021, 416, 125885.	12.4	30
25	Ambient electrosynthesis of NH ₃ from N ₂ using Bi-doped CeO ₂ cube as electrocatalyst. International Journal of Hydrogen Energy, 2021, 46, 31523-31532.	7.1	11
26	Electromagnetic wave absorption performance of NiCo ₂ X ₄ (X=O, S, Se, Te) spinel structures. Chemical Engineering Journal, 2021, 420, 129907.	12.7	96
27	A novel CO ₂ -tolerant Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.1} Ta _{0.1} O _{3-δ} cathode with high performance for proton-conducting solid oxide fuel cells. International Journal of Hydrogen Energy, 2021, 46, 33561-33571.	7.1	30
28	Construction of remarkable electromagnetic wave absorber from heterogeneous structure of Co-CoFe ₂ O ₄ @mesoporous hollow carbon spheres. Chemical Engineering Journal, 2021, 421, 129960.	12.7	104
29	Mo-doping allows high performance for a perovskite cathode applied in proton-conducting solid oxide fuel cells. Sustainable Energy and Fuels, 2021, 5, 4261-4267.	4.9	27
30	Tailoring a LaMnO ₃ cathode for proton-conducting solid oxide fuel cells: integration of high performance and excellent stability. Journal of Materials Chemistry A, 2021, 9, 12553-12559.	10.3	47
31	Cobalt-free LaNi _{0.4} Zn _{0.1} Fe _{0.5} O _{3-δ} as a cathode for solid oxide fuel cells using proton-conducting electrolyte. International Journal of Hydrogen Energy, 2021, 46, 38482-38489.	7.1	20
32	Evaluating the effect of Pr-doping on the performance of strontium-doped lanthanum ferrite cathodes for protonic SOFCs. Ceramics International, 2020, 46, 4000-4005.	4.8	80
33	Optimization of sintering temperature for SOFCs by a co-firing method. Ceramics International, 2020, 46, 6987-6990.	4.8	36
34	PrBaCo _{2-x} Ta _x O _{5+δ} based composite materials as cathodes for proton-conducting solid oxide fuel cells with high CO ₂ resistance. International Journal of Hydrogen Energy, 2020, 45, 31017-31026.	7.1	41
35	Sintering aids for proton-conducting oxides – A double-edged sword? A mini review. Electrochemistry Communications, 2020, 112, 106672.	4.7	111
36	The role of oxygen vacancies of ABO ₃ perovskite oxides in the oxygen reduction reaction. Energy and Environmental Science, 2020, 13, 1408-1428.	30.8	477

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37	Simultaneous enhancement of recoverable energy density and efficiency of lead-free relaxor-ferroelectric BNT-based ceramics. <i>Chemical Engineering Journal</i> , 2020, 402, 125951.	12.7	126
38	Proton-conducting electrolyte materials. , 2020, , 81-111.		4
39	A perspective on DRT applications for the analysis of solid oxide cell electrodes. <i>Electrochimica Acta</i> , 2020, 349, 136328.	5.2	91
40	Hollow La _{0.5} Sr _{0.5} MnO ₃ nanospheres as an electrocatalyst for the oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12514-12524.	7.1	7
41	Proton-Responsive Nanomaterials for Fuel Cells. <i>Springer Series in Materials Science</i> , 2020, , 245-267.	0.6	0
42	Tailoring cations in a perovskite cathode for proton-conducting solid oxide fuel cells with high performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20624-20632.	10.3	115
43	Modification of a first-generation solid oxide fuel cell cathode with Co ₃ O ₄ nanocubes having selectively exposed crystal planes. <i>Materials for Renewable and Sustainable Energy</i> , 2019, 8, 1.	3.6	29
44	Evaluation of potential reaction between BaZr _{0.8} Y _{0.2} O _{3-δ} ceramics and Pt at high temperatures. <i>Ceramics International</i> , 2019, 45, 22383-22387.	4.8	9
45	Impressive performance of proton-conducting solid oxide fuel cells using a first-generation cathode with tailored cations. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18792-18798.	10.3	84
46	Improving the performance of the Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} cathode for proton-conducting SOFCs by microwave sintering. <i>Ceramics International</i> , 2019, 45, 20994-20998.	4.8	45
47	Cobalt-free nanofiber cathodes for proton conducting solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2019, 100, 108-112.	4.7	63
48	Improving the sinterability of CeO ₂ by using plane-selective nanocubes. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4429-4434.	5.7	15
49	A novel cobalt-free cathode with triple-conduction for proton-conducting solid oxide fuel cells with unprecedented performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16136-16148.	10.3	145
50	Fabrication of high-performance proton-conducting electrolytes from microwave prepared ultrafine powders for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2019, 412, 664-669.	7.8	77
51	Twisted palladium-copper nanochains toward efficient electrocatalytic oxidation of formic acid. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 366-374.	9.4	68
52	Tailoring cathode composite boosts the performance of proton-conducting SOFCs fabricated by a one-step co-firing method. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2903-2908.	5.7	66
53	Liquid-phase synthesis of SrCo _{0.9} Nb _{0.1} O _{3-δ} cathode material for proton-conducting solid oxide fuel cells. <i>Ceramics International</i> , 2018, 44, 5139-5144.	4.8	57
54	A novel in situ diffusion strategy to fabricate high performance cathodes for low temperature proton-conducting solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10411-10420.	10.3	34

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55	Highly-conductive proton-conducting electrolyte membranes with a low sintering temperature for solid oxide fuel cells. <i>Journal of Membrane Science</i> , 2018, 558, 17-25.	8.2	131
56	Regulation of Structure and Ionic Intercalation of Colloidal Nanocrystal Assembly. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 229-237.	4.7	5
57	Nanostructuring the electronic conducting $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ cathode for high-performance in proton-conducting solid oxide fuel cells below 600°C . <i>Science China Materials</i> , 2018, 61, 57-64.	6.3	58
58	Solid oxide fuel cells with proton-conducting $\text{La}_{0.99}\text{Ca}_{0.01}\text{NbO}_4$ electrolyte. <i>Electrochimica Acta</i> , 2018, 260, 748-754.	5.2	64
59	Electrochemical performance of protonic ceramic fuel cells with stable BaZrO_3 -based electrolyte: A mini-review. <i>Electrochemistry Communications</i> , 2018, 96, 11-15.	4.7	93
60	Synthesis of defect-rich palladium-tin alloy nanochain networks for formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 189-195.	9.4	92
61	Tailoring the Cathode-Electrolyte Interface with Nanoparticles for Boosting the Solid Oxide Fuel Cell Performance of Chemically Stable Proton-Conducting Electrolytes. <i>Small</i> , 2018, 14, e1801231.	10.0	118
62	Exploring the role of NiO as a sintering aid in $\text{BaZr}_{0.1}\text{Ce}_{0.7}\text{Y}_{0.2}\text{O}_{3-\delta}$ electrolyte for proton-conducting solid oxide fuel cells. <i>Journal of Power Sources</i> , 2018, 399, 207-214.	7.8	71
63	$\text{La}_{0.6}\text{Fe}_{0.4}\text{O}_{3-\delta}$ as a Promising Cathode for Stable Proton-Conducting Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2018, 18, 561-565.	2.4	11
64	Fabrication of one-step co-fired proton-conducting solid oxide fuel cells with the assistance of microwave sintering. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5620-5624.	5.7	22
65	Nanostructured Cathodes: Tailoring the Cathode-Electrolyte Interface with Nanoparticles for Boosting the Solid Oxide Fuel Cell Performance of Chemically Stable Proton-Conducting Electrolytes (<i>Small</i> 32/2018). <i>Small</i> , 2018, 14, 1870146.	10.0	1
66	Carbon Monoxide-Templated Synthesis of Coral-Like Clean PtPd Nanochains as Efficient Oxygen Reduction Catalyst. <i>ChemElectroChem</i> , 2018, 5, 2403-2408.	3.4	18
67	Effect of Dopant-Host Ionic Radii Mismatch on Acceptor-Doped Barium Zirconate Microstructure and Proton Conductivity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9739-9747.	3.1	95
68	Proton-conducting solid oxide fuel cell (SOFC) with Y-doped BaZrO_3 electrolyte. <i>Electrochemistry Communications</i> , 2017, 80, 20-23.	4.7	155
69	Institute of Metal Research, Chinese Academy of Sciences: aiming to achieve breakthroughs in the development of materials. <i>National Science Review</i> , 2017, 4, 269-282.	9.5	2
70	Tailoring sintering step allows high performance for solid oxide fuel cells prepared by a tri-layer co-firing process. <i>Materials Research Bulletin</i> , 2017, 93, 42-46.	5.2	4
71	A strategy of tailoring stable electrolyte material for high performance proton-conducting solid oxide fuel cells (SOFCs). <i>Electrochemistry Communications</i> , 2016, 72, 19-22.	4.7	26
72	A novel composite cathode $\text{Er}_{0.4}\text{Bi}_{1.6}\text{O}_3$ - $\text{Pr}_{0.5}\text{Ba}_{0.5}\text{MnO}_3$ for ceria-bismuth bilayer electrolyte high performance low temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2016, 301, 306-311.	7.8	30

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73	Templates as Shadow Masks to Tune the Magnetic Anisotropy in Nanostructured CoCrPt/Ti Bilayer Films. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400551.	3.7	3
74	Y-doped BaZrO ₃ as a chemically stable electrolyte for proton-conducting solid oxide electrolysis cells (SOECs). <i>Journal of Materials Chemistry A</i> , 2015, 3, 5815-5819.	10.3	105
75	The effect of oxygen transfer mechanism on the cathode performance based on proton-conducting solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2207-2215.	10.3	54
76	A high performance cathode for proton conducting solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8405-8412.	10.3	113
77	Steam Electrolysis by Proton-Conducting Solid Oxide Electrolysis Cells (SOECs) with Chemically Stable BaZrO ₃ -Based Electrolytes. <i>ECS Transactions</i> , 2015, 68, 3387-3393.	0.5	9
78	Yttrium and Nickel Co-Doped BaZrO ₃ as a Proton-Conducting Electrolyte for Intermediate Temperature Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2015, 68, 503-508.	0.5	8
79	Reversible solid oxide fuel cells (R-SOFCs) with chemically stable proton-conducting oxides. <i>Solid State Ionics</i> , 2015, 275, 101-105.	2.7	37
80	High performance ceria-bismuth bilayer electrolyte low temperature solid oxide fuel cells (LT-SOFCs) fabricated by combining co-pressing with drop-coating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10219-10224.	10.3	44
81	Y and Ni Co-Doped BaZrO ₃ as a Proton-Conducting Solid Oxide Fuel Cell Electrolyte Exhibiting Superior Power Performance. <i>Journal of the Electrochemical Society</i> , 2015, 162, F1498-F1503.	2.9	30
82	Synthesis strategies for improving the performance of doped-BaZrO ₃ materials in solid oxide fuel cell applications. <i>Journal of Materials Research</i> , 2014, 29, 1-15.	2.6	106
83	Steam electrolysis by solid oxide electrolysis cells (SOECs) with proton-conducting oxides. <i>Chemical Society Reviews</i> , 2014, 43, 8255-8270.	38.1	361
84	An Easily Sintered, Chemically Stable, Barium Zirconate-Based Proton Conductor for High-Performance Proton-Conducting Solid Oxide Fuel Cells. <i>Advanced Functional Materials</i> , 2014, 24, 5695-5702.	14.9	81
85	Optical and magneto-optical properties of Co-doped CeO _{2-x} films in the 0.5 to 4 eV range. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	6
86	Electrical Properties of Ba ₃ Ca _{1.18} Nb _{1.82} O ₉ Proton-Conducting Electrolyte Prepared by a Combustion Method. <i>ECS Transactions</i> , 2013, 57, 1069-1075.	0.5	2
87	A chemically stable electrolyte with a novel sandwiched structure for proton-conducting solid oxide fuel cells (SOFCs). <i>Electrochemistry Communications</i> , 2013, 36, 42-45.	4.7	25
88	A Tri-Layer Proton-Conducting Electrolyte for Chemically Stable Operation in Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2013, 57, 1037-1044.	0.5	1
89	The role of deposition conditions on the structure and magnetic properties of SrTi _{1-x} FexO ₃ films. <i>Journal of Applied Physics</i> , 2012, 111, 07A918.	2.5	11
90	Electrochemical Properties and Intermediate-Temperature Fuel Cell Performance of Dense Yttrium-Doped Barium Zirconate with Calcium Addition. <i>Journal of the American Ceramic Society</i> , 2012, 95, 627-635.	3.8	81

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91	Effect of anode functional layer on the performance of proton-conducting solid oxide fuel cells (SOFCs). <i>Electrochemistry Communications</i> , 2012, 16, 37-40.	4.7	91
92	Novel Ba _{0.5} Sr _{0.5} (Co _{0.8} Fe _{0.2}) _{1-x} Ti _x O ₃ (x=0, 0.05, and 0.1) cathode materials for proton-conducting solid oxide fuel cells. <i>Solid State Ionics</i> , 2012, 214, 1-5.	2.7	32
93	Towards the Next Generation of Solid Oxide Fuel Cells Operating Below 600 °C with Chemically Stable Proton-Conducting Electrolytes. <i>Advanced Materials</i> , 2012, 24, 195-208.	21.0	451
94	Ferromagnetism in single crystal and nanocomposite Sr(Ti,Fe)O ₃ epitaxial films. <i>Journal of Materials Chemistry</i> , 2011, 21, 10364.	6.7	19
95	High-performance composite cathodes with tailored mixed conductivity for intermediate temperature solid oxide fuel cells using proton conducting electrolytes. <i>Energy and Environmental Science</i> , 2011, 4, 4984.	30.8	147
96	Electrode tailoring improves the intermediate temperature performance of solid oxide fuel cells based on a Y and Pr co-doped barium zirconate proton conducting electrolyte. <i>RSC Advances</i> , 2011, 1, 1183.	3.6	31
97	A novel ionic diffusion strategy to fabricate high-performance anode-supported solid oxide fuel cells (SOFCs) with proton-conducting Y-doped BaZrO ₃ films. <i>Energy and Environmental Science</i> , 2011, 4, 409-412.	30.8	83
98	Lowering grain boundary resistance of BaZr _{0.8} Y _{0.2} O ₃ with LiNO ₃ sintering-aid improves proton conductivity for fuel cell operation. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7692-7700.	2.8	121
99	Sinteractive anodic powders improve densification and electrochemical properties of BaZr _{0.8} Y _{0.2} O ₃ electrolyte films for anode-supported solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1352.	30.8	118
100	BaZr _{0.8} Y _{0.2} O ₃ -NiO Composite Anodic Powders for Proton-Conducting SOFCs Prepared by a Combustion Method. <i>Journal of the Electrochemical Society</i> , 2011, 158, B797.	2.9	59
101	On-chip optical isolation in monolithically integrated non-reciprocal optical resonators. <i>Nature Photonics</i> , 2011, 5, 758-762.	31.4	766
102	Sinteractivity, proton conductivity and chemical stability of BaZr _{0.7} In _{0.3} O ₃ for solid oxide fuel cells (SOFCs). <i>Solid State Ionics</i> , 2011, 196, 59-64.	2.7	66
103	Tailoring mixed proton-electronic conductivity of BaZrO ₃ by Y and Pr co-doping for cathode application in protonic SOFCs. <i>Solid State Ionics</i> , 2011, 202, 30-35.	2.7	65
104	Chemically Stable Pr and Y Co-doped Barium Zirconate Electrolytes with High Proton Conductivity for Intermediate-Temperature Solid Oxide Fuel Cells. <i>Advanced Functional Materials</i> , 2011, 21, 158-166.	14.9	203
105	A stable La _{1.95} Ca _{0.05} Ce ₂ O ₇ as the electrolyte for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 5840-5843.	7.8	35
106	Enhancement of the magneto-optical performance of Sr(Ti _{0.6} Ga _x Fe _{0.4})O ₃ perovskite films by Ga substitution. <i>Applied Physics Letters</i> , 2011, 98, 231909.	3.3	10
107	Exploring Mixed Protonic/Electronic Conducting Oxides as Cathode Materials for Intermediate Temperature SOFCs Based on Proton Conducting Electrolytes. <i>ECS Transactions</i> , 2011, 35, 2305-2311.	0.5	2
108	Spectral origins of high Faraday rotation at 1.5-1.4 μm wavelength from Fe and Co in SrTiO ₃ films. <i>Journal of Applied Physics</i> , 2011, 109, 07B761.	2.5	5

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109	Performance of Solid Oxide Fuel Cells with In-Doped BaZrO ₃ Electrolyte Films on Different Anode Substrates. ECS Transactions, 2011, 35, 797-804.	0.5	0
110	Investigation of SmBaCuCoO ₅ + δ double-perovskite as cathode for proton-conducting solid oxide fuel cells. Materials Research Bulletin, 2010, 45, 1771-1774.	5.2	54
111	Effect of Sm-doping on the hydrogen permeation of Ni δ -La ₂ Ce ₂ O ₇ mixed protonic δ -electronic conductor. International Journal of Hydrogen Energy, 2010, 35, 4508-4511.	7.1	54
112	Influence of fabrication process of Ni δ -BaCe _{0.7} Zr _{0.1} Y _{0.2} O ₃ + δ cermet on the hydrogen permeation performance. Journal of Alloys and Compounds, 2010, 508, L5-L8.	5.5	29
113	CO ₂ -Resistant Hydrogen Permeation Membranes Based on Doped Ceria and Nickel. Journal of Physical Chemistry C, 2010, 114, 10986-10991.	3.1	58
114	Orientation control and self-assembled nanopyramid structure of LaFeO ₃ films epitaxially grown on SrTiO ₃ (001) substrates. Applied Physics Letters, 2009, 95, 121908.	3.3	14
115	Effect of Pre-sintering Treatment of Anode Substrate on the Densification and Flatness of YSZ Electrolyte by Suspension Spray. ECS Transactions, 2009, 25, 543-551.	0.5	1
116	Novel cobalt-free cathode materials BaCexFe _{1-x} O ₃ + δ for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2009, 194, 801-804.	7.8	98
117	Fabrication and characterization of easily sintered and stable anode-supported proton-conducting membranes. Journal of Membrane Science, 2009, 336, 1-6.	8.2	53
118	Indium as an ideal functional dopant for a proton-conducting solid oxide fuel cell. International Journal of Hydrogen Energy, 2009, 34, 2421-2425.	7.1	78
119	Fabrication of cathode supported solid oxide fuel cell by multi-layer tape casting and co-firing method. International Journal of Hydrogen Energy, 2009, 34, 7789-7794.	7.1	25
120	Influence of anode pore forming additives on the densification of supported BaCe _{0.7} Ta _{0.1} Y _{0.2} O ₃ + δ electrolyte membranes based on a solid state reaction. Journal of the European Ceramic Society, 2009, 29, 2567-2573.	5.7	29
121	Fabrication and characterization of an anode-supported hollow fiber SOFC. Journal of Power Sources, 2009, 187, 90-92.	7.8	103
122	Stable BaCe _{0.5} Zr _{0.3} Y _{0.16} Zn _{0.04} O ₃ + δ thin membrane prepared by in situ tape casting for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2009, 188, 343-346.	7.8	23
123	Proton-conducting solid oxide fuel cells prepared by a single step co-firing process. Journal of Power Sources, 2009, 191, 428-432.	7.8	33
124	A novel single phase cathode material for a proton-conducting SOFC. Electrochemistry Communications, 2009, 11, 688-690.	4.7	105
125	Screen-printed BaCe _{0.8} Sm _{0.2} O ₃ + δ thin membrane solid oxide fuel cells with surface modification by spray coating. Journal of Alloys and Compounds, 2009, 473, 48-52.	5.5	33
126	H ₂ S poisoning and regeneration of Ni δ -BaZr _{0.1} Ce _{0.7} Y _{0.2} O ₃ + δ at intermediate temperature. Journal of Alloys and Compounds, 2009, 475, 935-939.	5.5	20

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127	Synthesis of $\text{SmBaCo}_2\text{O}_6$ powder by the combustion process using Co_3O_4 as precursor. Journal of Alloys and Compounds, 2009, 481, L40-L42.	5.5	6
128	Research Progress in the Electrolyte Materials for Protonic Ceramic Membrane Fuel Cells. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2009, 25, 1-7.	1.3	7
129	Prontonic ceramic membrane fuel cells with layered $\text{GdBaCo}_2\text{O}_{5+x}$ cathode prepared by gel-casting and suspension spray. Journal of Power Sources, 2008, 177, 330-333.	7.8	87
130	Chemical stability and hydrogen permeation performance of $\text{Ni}-\text{BaZr}_{0.1}\text{Ce}_{0.7}\text{Y}_{0.2}\text{O}_3$ in an H_2S -containing atmosphere. Journal of Power Sources, 2008, 183, 126-132.	7.8	53
131	Preparation of an extremely dense $\text{BaCe}_{0.8}\text{Sm}_{0.2}\text{O}_3$ thin membrane based on an in situ reaction. Electrochemistry Communications, 2008, 10, 1005-1007.	4.7	48
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