Zetian Tao

List of Publications by Year
in descending order

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23 papers	1,097 citations	430874 18 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1081 citing authors

#	Article	IF	Citations
1	High-performing proton-conducting solid oxide fuel cells with triple-conducting cathode of Pr0.5Ba0.5(Co0.7Fe0.3)O3-Î´ tailored with W. International Journal of Hydrogen Energy, 2022, 47, 1947-1953.	7.1	52
2	Fabrication and study of LaNi0.6Fe0.4O3-Î´ and Sm0.5Sr0.5CoO3-Î´ composite cathode for proton-conducting solid oxide fuel cells. Separation and Purification Technology, 2022, 287, 120581.	7.9	21
3	A mini-review of carbon-resistant anode materials for solid oxide fuel cells. Sustainable Energy and Fuels, 2021, 5, 5420-5430.	4.9	18
4	Multifactor theoretical analysis of current leakage in proton-conducting solid oxide fuel cells. Journal of Power Sources, 2021, 505, 230038.	7.8	13
5	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
6	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
7	Layered perovskite (PrBa)0.95(Fe0.9Mo0.1)2O5+Î´ as electrode materials for high-performing symmetrical solid oxide electrolysis cells. Materials Letters, 2019, 257, 126758.	2.6	10
8	Electricity generation in dry methane by a durable ceramic fuel cell with high-performing and coking-resistant layered perovskite anode. Applied Energy, 2019, 233-234, 37-43.	10.1	30
9	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
10	A high-performing proton-conducting solid oxide fuel cell with layered perovskite cathode in intermediate temperatures. International Journal of Hydrogen Energy, 2018, 43, 19757-19762.	7.1	19
11	High-performing and stable electricity generation by ceramic fuel cells operating in dry methane over 1000 hours. Journal of Power Sources, 2018, 401, 322-328.	7.8	25
12	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
13	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
14	A redox-stable direct-methane solid oxide fuel cell (SOFC) with Sr2FeNb0.2Mo0.8O6â˜Î´ double perovskite as anode material. Journal of Power Sources, 2016, 327, 573-579.	7.8	71
15	A strategy of tailoring stable electrolyte material for high performance proton-conducting solid oxide fuel cells (SOFCs). Electrochemistry Communications, 2016, 72, 19-22.	4.7	26
16	A High-Performing Sulfur-Tolerant and Redox-Stable Layered Perovskite Anode for Direct Hydrocarbon Solid Oxide Fuel Cells. Scientific Reports, 2015, 5, 18129.	3.3	73
17	La0.7Sr0.3FeO3â˜Î´ composite cathode enhanced by Sm0.5Sr0.5CoO3â˜Î´ impregnation for proton conducting SOFCs. Electrochimica Acta, 2015, 165, 142-148.	5.2	19
18	A review of advanced proton-conducting materials for hydrogen separation. Progress in Materials Science, 2015, 74, 1-50.	32.8	145

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19	Preparation of BaZr 0.1 Ce 0.7 Y 0.2 O 3â^'Î´ thin membrane based on a novel method-drop coating. International Journal of Hydrogen Energy, 2014, 39, 16020-16024.	7.1	16
20	A mixed proton-oxide ion-electron conducting anode for highly coking-resistant solid oxide fuel cells. Electrochimica Acta, 2014, 150, 55-61.	5.2	9
21	Fabrication and characterization of anode-supported dense BaZr0.8Y0.2O3â^'Î´ electrolyte membranes by a dip-coating process. Materials Letters, 2012, 73, 198-201.	2.6	36
22	Novel cobalt-free cathode materials BaCexFe1â^'xO3â^'Î´ for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2009, 194, 801-804.	7.8	98
23	A novel single phase cathode material for a proton-conducting SOFC. Electrochemistry Communications, 2009, 11, 688-690.	4.7	105