Yifeng Zheng

List of Publications by Citations

55 papers	978 citations	18 h-index	29 g-index
59 ext. papers	1,223 ext. citations	6.5 avg, IF	4.2 L-index

#	Paper	IF	Citations
55	Oxygen reduction mechanism of NdBaCo2O5+□cathode for intermediate-temperature solid oxide fuel cells under cathodic polarization. *International Journal of Hydrogen Energy*, **2009**, 34, 2416-2420	6.7	67
54	Effect of Sr on Sm-doped ceria electrolyte. *International Journal of Hydrogen Energy*, **2011**, 36, 5128-5135	6.7	64
53	Effect of Sm and Mg co-doping on the properties of ceria-based electrolyte materials for IT-SOFCs. *Materials Research Bulletin*, **2009**, 44, 775-779	5.1	61
52	La and Ca co-doped ceria-based electrolyte materials for IT-SOFCs. *Materials Research Bulletin*, **2009**, 44, 1717-1721	5.1	56
51	Effect of zinc oxide on yttria doped ceria. *Journal of Power Sources*, **2010**, 195, 3130-3134	8.9	49
50	Comparison of performance and degradation of large-scale solid oxide electrolysis cells in stack with different composite air electrodes. *International Journal of Hydrogen Energy*, **2015**, 40, 2460-2472	6.7	44
49	The effect of Sr on the properties of Y-doped ceria electrolyte for IT-SOFCs. *Journal of Alloys and Compounds*, **2009**, 486, 586-589	5.7	44
48	Achieving high-efficiency hydrogen production using planar solid-oxide electrolysis stacks. *International Journal of Hydrogen Energy*, **2014**, 39, 10833-10842	6.7	40
47	Three-dimensional CFD modeling of transport phenomena in multi-channel anode-supported planar SOFCs. *International Journal of Heat and Mass Transfer*, **2015**, 84, 942-954	4.9	36
46	Effect of Co doping on the properties of Sr0.8Ce0.2MnO3□cathode for intermediate-temperature solid-oxide fuel cells. *International Journal of Hydrogen Energy*, **2008**, 33, 4681-4688	6.7	31
45	Effect of Fe2O3 on Sm-doped ceria system solid electrolyte for IT-SOFCs. *Journal of Alloys and Compounds*, **2011**, 509, 546-550	5.7	29
44	PrBaMn2O5+□with praseodymium oxide nano-catalyst as electrode for symmetrical solid oxide fuel cells. *Applied Catalysis B: Environmental*, **2019**, 257, 117868	21.8	28
43	Sinterability and electrical properties of ZnO-doped Ce0.8Y0.2O1.9 electrolytes prepared by an EDTA□citrate complexing method. *Journal of Alloys and Compounds*, **2011**, 509, 94-98	5.7	26
42	Effect of Dy on the properties of Sm-doped ceria electrolyte for IT-SOFCs. *Journal of Alloys and Compounds*, **2011**, 509, 1244-1248	5.7	26
41	Effect of zinc oxide doping on the grain boundary conductivity of Ce0.8Ln0.2O1.9 ceramics (Ln=Y, Sm, Gd). *Journal of Power Sources*, **2011**, 196, 6131-6137	8.9	26
40	Investigation of 30-cell solid oxide electrolyzer stack modules for hydrogen production. *Ceramics International*, **2014**, 40, 5801-5809	5.1	24
39	Preparation and characterization of Nd2□SrxCoO4+□cathodes for intermediate-temperature solid oxide fuel cell. *International Journal of Hydrogen Energy*, **2010**, 35, 5594-5600	6.7	23

38	Effect of chromium poisoning on the electrochemical properties of NdBaCo2O5+□cathode for IT-SOFCs. *International Journal of Hydrogen Energy*, **2010**, 35, 2457-2462	6.7	19
37	Asymmetric anode substrate fabricated by phase inversion process and its interface modification for solid oxide fuel cells. *Journal of Alloys and Compounds*, **2018**, 742, 20-28	5.7	17
36	Modifying the electrode-electrolyte interface of anode supported solid oxide fuel cells (SOFCs) by laser-machining. *Energy Conversion and Management*, **2018**, 171, 1030-1037	10.6	15
35	Effect and mechanism of Cr deposition in cathode current collecting layer on cell performance inside stack for planar solid oxide fuel cells. *Journal of Power Sources*, **2014**, 245, 119-128	8.9	15
34	Ca and Fe co-doped SmBaCo2O5+□layered perovskite as an efficient cathode for intermediate-temperature solid oxide fuel cells. *Journal of Alloys and Compounds*, **2017**, 696, 964-970	5.7	14
33	Modelling of solid oxide electrolyser cell using extreme learning machine. *Electrochimica Acta*, **2017**, 251, 137-144	6.7	14
32	A Ca and Fe Co-Doped Layered Perovskite as Stable Air Electrode in Solid Oxide Electrolyzer Cells under High-Current Electrolysis. *Electrochimica Acta*, **2017**, 251, 581-587	6.7	14
31	Quantitative contribution of resistance sources of components to stack performance for solid oxide electrolysis cells. *Journal of Power Sources*, **2015**, 274, 736-740	8.9	13
30	Mo-doped La0□6Sr0□4FeO3-□as an efficient fuel electrode for direct electrolysis of CO2 in solid oxide electrolysis cells. *Electrochimica Acta*, **2020**, 337, 135794	6.7	13
29	High-temperature electrolysis of simulated flue gas in solid oxide electrolysis cells. *Electrochimica Acta*, **2018**, 280, 206-215	6.7	13
28	Improving the electrochemical properties of SSZ electrolyte-supported solid oxide fuel cells. *Ceramics International*, **2014**, 40, 14621-14626	5.1	12
27	Performance of LaBaCo2O5+□Ag with B2O3-Bi2O3-PbO frit composite cathodes for intermediate-temperature solid oxide fuel cells. *Journal of Power Sources*, **2011**, 196, 9939-9945	8.9	10
26	YSZ electrolyte support with novel symmetric structure by phase inversion process for solid oxide fuel cells. *Energy Conversion and Management*, **2018**, 177, 11-18	10.6	10
25	Effect of Cl doping on the electrochemical performance of Sr2Fe1.5Mo0.5O6□cathode material for solid oxide fuel cells. *Ceramics International*, **2020**, 46, 22787-22796	5.1	9
24	Influence of MoO3 on boron aluminosilicate glass-ceramic coating for enhancing titanium high-temperature oxidation resistance. *Journal of Alloys and Compounds*, **2017**, 729, 453-462	5.7	9
23	Effect of dual doping on the structure and performance of garnet-type Li7La3Zr2O12 ceramic electrolytes for solid-state lithium-ion batteries. *Ceramics International*, **2019**, 45, 17874-17883	5.1	8
22	Effect of BaOB2O3 composite sintering aid on sinterability and electrical property of BaZr0.85Y0.15O3-□ceramic. *Ceramics International*, **2019**, 45, 13679-13684	5.1	7
21	Highly active and stable A-site Pr-doped LaSrCrMnO-based fuel electrode for direct CO2 solid oxide electrolyzer cells. *International Journal of Hydrogen Energy*, **2020**, 45, 14648-14659	6.7	7

20	Study of CO2 and H2O direct co-electrolysis in an electrolyte-supported solid oxide electrolysis cell by aqueous tape casting technique. *International Journal of Hydrogen Energy*, **2019**, 44, 28939-28946	6.7	7
19	Electrochemical characterization of Co-doped Sr0.8Ce0.2MnO3 cathodes on Sm0.2Ce0.8O1.9-electrolyte for intermediate-temperature solid oxide fuel cells. *Electrochimica Acta*, **2009**, 54, 3532-3537	6.7	7
18	Effect of Ca2+ and Zn2+ cations substitution on the properties of La0.85Sr0.15CrO3 as SOFC interconnect. *Journal of Alloys and Compounds*, **2009**, 480, 958-961	5.7	7
17	Enhanced performance of NiO YSZ planar anode-supported SOFC with an anode functional layer. *Journal of Materials Science*, **2020**, 55, 88-98	4.3	7
16	3D non-isothermal dynamic simulation of high temperature proton exchange membrane fuel cell in the start-up process. *International Journal of Hydrogen Energy*, **2021**, 46, 2577-2593	6.7	7
15	A facile method to fabricate proton-conducting BaZr0 85Y0 15O3- electrolyte with a large grain size and high conductivity. *Ceramics International*, **2019**, 45, 24946-24952	5.1	6
14	Quantitative electrochemical contributions of cells and stacked interfacial contacts in solid-oxide electrolysis cells. *International Journal of Hydrogen Energy*, **2016**, 41, 4538-4545	6.7	6
13	Sr-substituted SmBa0.75Ca0.25CoFeO5+ as a cathode for intermediate-temperature solid oxide fuel cells. *Journal of Alloys and Compounds*, **2019**, 770, 616-624	5.7	6
12	Effect of the sintering temperature on the properties of Ce0.85La0.10Ca0.05O2 electrolyte material. *Materials Research Bulletin*, **2011**, 46, 130-135	5.1	6
11	Electrochemical CO2 reduction to CO using solid oxide electrolysis cells with high-performance Ta-doped bismuth strontium ferrite air electrode. *Energy*, **2021**, 228, 120579	7.9	5
10	Understanding the occurrence of the individual CO2 electrolysis during H2O-CO2 co-electrolysis in classic planar Ni-YSZ/YSZ/LSM-YSZ solid oxide cells. *Electrochimica Acta*, **2019**, 318, 440-448	6.7	4
9	High catalytic activity of Fe-based perovskite fuel electrode for direct CO2 electroreduction in SOECs. *Journal of Alloys and Compounds*, **2021**, 888, 161573	5.7	4
8	Scaling Up and Characterization of Single-Layer Fuel Cells. *Energy Technology*, **2016**, 4, 967-972	3.5	3
7	Mn-doped Ruddlesden-Popper oxide La1.5Sr0.5NiO4+ as a novel air electrode material for solid oxide electrolysis cells. *Ceramics International*, **2021**, 47, 1208-1217	5.1	3
6	Effect of electrolyte composite on the performance of SmBa0.5Sr0.25Ca0.25CoFeO5+ cathode for IT-SOFCs. *Ionics*, **2020**, 26, 281-291	2.7	2
5	Enhancing the performance of symmetrical solid oxide fuel cells with Sr2Fe1.5Mo0.5O6- electrodes via infiltration of Pr6O11 bifunctional catalyst. *Electrochimica Acta*, **2022**, 402, 139569	6.7	1
4	Systematic study of short circuit activation on the performance of PEM fuel cell. *International Journal of Hydrogen Energy*, **2020**, 46, 23489-23489	6.7	1
3	Ca-doped La0.75Sr0.25Cr0.5Mn0.5O3 cathode with enhanced CO2 electrocatalytic performance for high-temperature solid oxide electrolysis cells. *International Journal of Hydrogen Energy*, **2021**, 46, 33349-33359	6.7	1

2	La0.75Sr0.25Cr0.5Mn0.5O3- as cathode for electrolysis and co-electrolysis of CO2 and H2O in solid oxide electrolysis cell. *Ceramics International*, **2021**, 47, 23350-23361	5.1	0
1	Performance of ceramic cathode current collector with novel microstructure for solid oxide fuel cells. *Ceramics International*, **2021**, 47, 8453-8460	5.1	