

Yicheng Zhao

List of Publications by Year in descending order

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52
papers

2,003
citations

236925

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all docs

53
docs citations

53
times ranked

1663
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly selective metal-organic framework-based (MOF-5) separator for non-aqueous redox flow battery. <i>Chemical Engineering Journal</i> , 2022, 433, 133564.	12.7	14
2	Improved electrochemical oxidation kinetics of $\text{La}_{0.5}\text{Ba}_{0.5}\text{FeO}_{3-\delta}$ anode for solid oxide fuel cells with fluorine doping. <i>Journal of Power Sources</i> , 2022, 521, 230932.	7.8	26
3	Solid oxide fuel cell with a spin-coated yttria stabilized zirconia/gadolinia doped ceria bi-layer electrolyte. <i>RSC Advances</i> , 2022, 12, 13220-13227.	3.6	7
4	A high performing perovskite cathode with in situ exsolved Co nanoparticles for H ₂ O and CO ₂ solid oxide electrolysis cell. <i>Catalysis Today</i> , 2021, 364, 89-96.	4.4	13
5	Bulk phase charge transfer in focus “ And in sequential along with surface steps. <i>Catalysis Today</i> , 2021, 364, 2-6.	4.4	8
6	A high-rate nonaqueous organic redox flow battery. <i>Journal of Power Sources</i> , 2021, 495, 229819.	7.8	21
7	Enhanced oxygen reduction reaction activity of $\text{BaCe}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ cathode for proton-conducting solid oxide fuel cells via Pr-doping. <i>Journal of Power Sources</i> , 2021, 495, 229776.	7.8	40
8	Membranes in non-aqueous redox flow battery: A review. <i>Journal of Power Sources</i> , 2021, 500, 229983.	7.8	70
9	$\text{Cu-Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{2-\delta}$ anode for electrochemical oxidation of methanol in solid oxide fuel cell: Improved activity by La and Nd doping. <i>Solid State Ionics</i> , 2021, 369, 115728.	2.7	6
10	A high-performance all-iron non-aqueous redox flow battery. <i>Journal of Power Sources</i> , 2020, 445, 227331.	7.8	59
11	Ferrocene/anthraquinone based bi-redox molecule for symmetric nonaqueous redox flow battery. <i>Journal of Power Sources</i> , 2020, 480, 229132.	7.8	26
12	A highly active $\text{Ni/Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ anode catalyst with a three-dimensionally ordered macroporous structure for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7792-7800.	10.3	13
13	Improved activity of oxygen in $\text{Ni-Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{2-\delta}$ anode for solid oxide fuel cell with Pr doping. <i>Journal of Power Sources</i> , 2020, 451, 227809.	7.8	14
14	Enhancing the performance of an all-organic non-aqueous redox flow battery. <i>Journal of Power Sources</i> , 2019, 443, 227283.	7.8	38
15	A-Site Ordered Double Perovskite with in Situ Exsolved Core-Shell Nanoparticles as Anode for Solid Oxide Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6995-7005.	8.0	67
16	Enhanced activity and stability of $\text{Sr}_2\text{FeMo}_{0.65}\text{Ni}_{0.35}\text{O}_{6-\delta}$ anode for solid oxide fuel cells with Na doping. <i>Journal of Power Sources</i> , 2019, 425, 103-109.	7.8	21
17	ZnO-promoted surface diffusion on $\text{NiO-Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ anode for solid oxide fuel cell. <i>Journal of Power Sources</i> , 2019, 423, 290-296.	7.8	26
18	A High-Performance Direct Carbon Fuel Cell with Reed Rod Biochar as Fuel. <i>Journal of the Electrochemical Society</i> , 2019, 166, F175-F179.	2.9	10

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19	Effect of Sn addition on improving the stability of Ni-Ce _{0.8} Sm _{0.2} O _{1.9} anode material for solid oxide fuel cells fed with dry CH ₄ . <i>Catalysis Today</i> , 2019, 330, 209-216.	4.4	22
20	A LaNi _{0.9} Co _{0.1} O ₃ coated Ce _{0.8} Sm _{0.2} O _{1.9} composite anode for solid oxide fuel cells fed with methanol. <i>Catalysis Today</i> , 2019, 327, 220-225.	4.4	14
21	Effects of manganese oxides on the activity and stability of Ni-Ce _{0.8} Sm _{0.2} O _{1.9} anode for solid oxide fuel cells with methanol as the fuel. <i>Catalysis Today</i> , 2019, 330, 222-227.	4.4	14
22	Effects of surface modification on the reactivity of activated carbon in direct carbon fuel cells. <i>Electrochimica Acta</i> , 2018, 284, 630-638.	5.2	19
23	A systematic study of the co-solvent effect for an all-organic redox flow battery. <i>RSC Advances</i> , 2018, 8, 24422-24427.	3.6	6
24	Enhanced efficiency of hematite photoanode for water splitting with the doping of Ge. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12646-12652.	7.1	33
25	Coking-resistant NbO _x -Ni-Ce _{0.8} Sm _{0.2} O _{1.9} anode material for methanol-fueled solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12748-12755.	7.1	13
26	Hydrothermally synthesized NiO-samarium doped ceria nano-composite as an anode material for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22192-22200.	7.1	24
27	Molybdenum substitution at the B-site of lanthanum strontium titanate anodes for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22294-22301.	7.1	22
28	A benzophenone-based anolyte for high energy density all-organic redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17488-17494.	7.1	41
29	Linear discharge model, power losses and overall efficiency of the solid oxide fuel cell with thin film samarium doped ceria electrolyte. Part II: Power losses and overall efficiency. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17522-17527.	7.1	3
30	Linear discharge model, power losses and overall efficiency of the solid oxide fuel cell with thin film samarium doped ceria electrolyte. Part I: Linear discharge model. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17528-17535.	7.1	1
31	Carbon-resistant Ni _{1-x} Co _x -Ce _{0.8} Sm _{0.2} O _{1.9} anode for solid oxide fuel cells fed with methanol. <i>Catalysis Today</i> , 2017, 298, 250-257.	4.4	32
32	Effect of citric acid addition on the morphology and activity of Ni ₂ P supported on mesoporous zeolite ZSM-5 for the hydrogenation of 4,6-DMDBT and phenanthrene. <i>Journal of Catalysis</i> , 2017, 345, 295-307.	6.2	62
33	Improved Performance of Ni-Mo Based Anode for Direct Methanol Solid Oxide Fuel Cells with the Addition of Rare Earth Oxides. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1142-F1148.	2.9	15
34	Sm _{0.5} Ba _{0.5} MnO _{3-δ} anode for solid oxide fuel cells with hydrogen and methanol as fuels. <i>Catalysis Today</i> , 2017, 298, 33-39.	4.4	24
35	Carbon dioxide permeation through ceramic-carbonate dual-phase membrane-effects of sulfur dioxide. <i>Journal of Membrane Science</i> , 2017, 540, 477-484.	8.2	19
36	A single layer solid oxide fuel cell composed of La ₂ NiO ₄ and doped ceria-carbonate with H ₂ and methanol as fuels. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9059-9065.	7.1	34

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37	Improved activity and stability of Ni-Ce _{0.8} Sm _{0.2} O _{1.9} anode for solid oxide fuel cells fed with methanol through addition of molybdenum. <i>Journal of Power Sources</i> , 2016, 320, 251-256.	7.8	43
38	Fabrication of MnCo ₂ O ₄ -YSZ Composite Cathodes for Solid Oxide Fuel Cells by Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2016, 163, F863-F866.	2.9	10
39	Sr ₂ Fe ₂ MoO ₆ perovskite as an anode in a solid oxide fuel cell: Effect of the substitution ratio. <i>Catalysis Today</i> , 2016, 259, 417-422.	4.4	46
40	Ni ₂ P clusters on zeolite nanosheet assemblies with high activity and good stability in the hydrodesulfurization of 4,6-dimethyldibenzothiophene. <i>Journal of Catalysis</i> , 2016, 338, 210-221.	6.2	59
41	A SnO ₂ -samarium doped ceria additional anode layer in a direct carbon fuel cell. <i>Journal of Power Sources</i> , 2016, 306, 387-393.	7.8	32
42	Improve electrical conductivity of reduced La ₂ Ni _{0.9} Fe _{0.1} O _{4+δ} as the anode of a solid oxide fuel cell by carbon deposition. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9783-9789.	7.1	29
43	A non-aqueous redox flow battery based on tris(1,10-phenanthroline) complexes of iron(II) and cobalt(II). <i>Journal of Power Sources</i> , 2015, 293, 778-783.	7.8	41
44	Utilization of corn cob biochar in a direct carbon fuel cell. <i>Journal of Power Sources</i> , 2014, 270, 312-317.	7.8	91
45	Single layer fuel cell based on a composite of Ce _{0.8} Sm _{0.2} O _{2+δ} /Na ₂ CO ₃ and a mixed ionic and electronic conductor Sr ₂ Fe _{1.5} Mo _{0.5} O _{6+δ} . <i>Journal of Power Sources</i> , 2014, 249, 270-276.	7.8	96
46	Recent progress on solid oxide fuel cell: Lowering temperature and utilizing non-hydrogen fuels. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16498-16517.	7.1	131
47	Oxide ion and proton conduction in doped ceria-carbonate composite materials. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1553-1559.	7.1	45
48	Validation of H ⁺ /O ₂ ²⁻ conduction in doped ceria-carbonate composite material using an electrochemical pumping method. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11378-11382.	7.1	42
49	Quantifying multi-ionic conduction through doped ceria-carbonate composite electrolyte by a current-interruption technique and product analysis. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8556-8561.	7.1	55
50	Intermediate temperature fuel cell with a doped ceria-carbonate composite electrolyte. <i>Journal of Power Sources</i> , 2010, 195, 3149-3154.	7.8	134
51	A direct carbon fuel cell with (molten carbonate)/(doped ceria) composite electrolyte. <i>Journal of Power Sources</i> , 2010, 195, 5581-5586.	7.8	120
52	A high performance composite ionic conducting electrolyte for intermediate temperature fuel cell and evidence for ternary ionic conduction. <i>Journal of Power Sources</i> , 2009, 188, 156-162.	7.8	152