

Hanqing Peng

List of Publications by Year in descending order

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17
papers

1,441
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1508
citing authors

#	ARTICLE	IF	CITATIONS
1	A completely precious metal-free alkaline fuel cell with enhanced performance using a carbon-coated nickel anode. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119883119.	7.1	54
2	A stable zinc-based secondary battery realized by anion-exchange membrane as the separator. Journal of Power Sources, 2021, 486, 229376.	7.8	20
3	Interface-Enhanced Catalytic Selectivity on the C ₂ Products of CO ₂ Electroreduction. ACS Catalysis, 2021, 11, 2473-2482.	11.2	92
4	Comb-shaped anion exchange membranes: Hydrophobic side chains grafted onto backbones or linked to cations?. Journal of Membrane Science, 2021, 626, 119096.	8.2	26
5	Ultrathin Self-Cross-Linked Alkaline Polymer Electrolyte Membrane for APEFC Applications. ACS Applied Energy Materials, 2021, 4, 4297-4301.	5.1	5
6	Enhanced mass transport and water management of polymer electrolyte fuel cells via 3-D printed architectures. Journal of Power Sources, 2021, 515, 230636.	7.8	17
7	Alkaline polymer electrolyte fuel cells without anode humidification and H ₂ emission. Journal of Power Sources, 2020, 472, 228471.	7.8	23
8	Improving the Antioxidation Capability of the Ni Catalyst by Carbon Shell Coating for Alkaline Hydrogen Oxidation Reaction. ACS Applied Materials & Interfaces, 2020, 12, 31575-31581.	8.0	44
9	Aggregated and ionic cross-linked anion exchange membrane with enhanced hydroxide conductivity and stability. Journal of Power Sources, 2020, 459, 227838.	7.8	32
10	The Comparability of Pt to PtRu in Catalyzing the Hydrogen Oxidation Reaction for Alkaline Polymer Electrolyte Fuel Cells Operated at 80°C. Angewandte Chemie, 2019, 131, 1456-1460.	2.0	22
11	Poly(arylene piperidine)s with phosphoric acid doping as high temperature polymer electrolyte membrane for durable, high-performance fuel cells. Journal of Power Sources, 2019, 443, 227219.	7.8	87
12	An alkaline polymer electrolyte CO ₂ electrolyzer operated with pure water. Energy and Environmental Science, 2019, 12, 2455-2462.	30.8	231
13	High-Loading Composition-Tolerant CoMn Spinel Oxides with Performance beyond 1 W/cm ² in Alkaline Polymer Electrolyte Fuel Cells. ACS Energy Letters, 2019, 4, 1251-1257.	17.4	77
14	The Comparability of Pt to PtRu in Catalyzing the Hydrogen Oxidation Reaction for Alkaline Polymer Electrolyte Fuel Cells Operated at 80°C. Angewandte Chemie - International Edition, 2019, 58, 1442-1446.	13.8	99
15	Alkaline polymer electrolyte fuel cells stably working at 80°C. Journal of Power Sources, 2018, 390, 165-167.	7.8	256
16	Fe/N/C Nanotubes with Atomic Fe Sites: A Highly Active Cathode Catalyst for Alkaline Polymer Electrolyte Fuel Cells. ACS Catalysis, 2017, 7, 6485-6492.	11.2	141
17	High performance aliphatic-heterocyclic benzyl-quaternary ammonium radiation-grafted anion-exchange membranes. Energy and Environmental Science, 2016, 9, 3724-3735.	30.8	215