

# Hanqing Peng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4255037/publications.pdf>

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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	Alkaline polymer electrolyte fuel cells stably working at 80°C. Journal of Power Sources, 2018, 390, 165-167.	7.8	256
2	An alkaline polymer electrolyte CO <sub>2</sub> electrolyzer operated with pure water. Energy and Environmental Science, 2019, 12, 2455-2462.	30.8	231
3	High performance aliphatic-heterocyclic benzyl-quaternary ammonium radiation-grafted anion-exchange membranes. Energy and Environmental Science, 2016, 9, 3724-3735.	30.8	215
4	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
5	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
6	Interface-Enhanced Catalytic Selectivity on the C <sub>2</sub> Products of CO <sub>2</sub> Electroreduction. ACS Catalysis, 2021, 11, 2473-2482.	11.2	92
7	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
8	High-Loading Composition-Tolerant CoMn Spinel Oxides with Performance beyond 1 W/cm <sup>2</sup> in Alkaline Polymer Electrolyte Fuel Cells. ACS Energy Letters, 2019, 4, 1251-1257.	17.4	77
9	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
10	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
11	Aggregated and ionic cross-linked anion exchange membrane with enhanced hydroxide conductivity and stability. Journal of Power Sources, 2020, 459, 227838.	7.8	32
12	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
13	Alkaline polymer electrolyte fuel cells without anode humidification and H <sub>2</sub> emission. Journal of Power Sources, 2020, 472, 228471.	7.8	23
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, 2019, 131, 1456-1460.	2.0	22
15	A stable zinc-based secondary battery realized by anion-exchange membrane as the separator. Journal of Power Sources, 2021, 486, 229376.	7.8	20
16	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
17	Ultrathin Self-Cross-Linked Alkaline Polymer Electrolyte Membrane for APEFC Applications. ACS Applied Energy Materials, 2021, 4, 4297-4301.	5.1	5