

# Jing Pan

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

4,536  
citations

186265

28  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3634  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Alkaline Polymer Electrolyte for Fuel Cell Applications. <i>Advanced Functional Materials</i> , 2010, 20, 312-319.	14.9	449
2	Constructing ionic highway in alkaline polymer electrolytes. <i>Energy and Environmental Science</i> , 2014, 7, 354-360.	30.8	439
3	Pt-Ru catalyzed hydrogen oxidation in alkaline media: oxophilic effect or electronic effect?. <i>Energy and Environmental Science</i> , 2015, 8, 177-181.	30.8	418
4	Designing Advanced Alkaline Polymer Electrolytes for Fuel Cell Applications. <i>Accounts of Chemical Research</i> , 2012, 45, 473-481.	15.6	359
5	Fluorine-Doped Carbon Blacks: Highly Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2013, 3, 1726-1729.	11.2	337
6	Multication Side Chain Anion Exchange Membranes. <i>Macromolecules</i> , 2016, 49, 815-824.	4.8	303
7	First implementation of alkaline polymer electrolyte water electrolysis working only with pure water. <i>Energy and Environmental Science</i> , 2012, 5, 7869.	30.8	234
8	Elastic Long-Chain Multication Cross-Linked Anion Exchange Membranes. <i>Macromolecules</i> , 2017, 50, 3323-3332.	4.8	159
9	A strategy for disentangling the conductivity-stability dilemma in alkaline polymer electrolytes. <i>Energy and Environmental Science</i> , 2013, 6, 2912.	30.8	150
10	Mechanically Tough and Chemically Stable Anion Exchange Membranes from Rigid-Flexible Semi-Interpenetrating Networks. <i>Chemistry of Materials</i> , 2015, 27, 6689-6698.	6.7	149
11	Cationic Side-Chain Attachment to Poly(Phenylene Oxide) Backbones for Chemically Stable and Conductive Anion Exchange Membranes. <i>Chemistry of Materials</i> , 2017, 29, 5321-5330.	6.7	133
12	Crosslinking of comb-shaped polymer anion exchange membranes via thiol-ene click chemistry. <i>Polymer Chemistry</i> , 2016, 7, 2464-2475.	3.9	131
13	High Performance Anion Exchange Membrane Fuel Cells Enabled by Fluoropoly(olefin) Membranes. <i>Advanced Functional Materials</i> , 2019, 29, 1902059.	14.9	128
14	Self-crosslinked alkaline polymer electrolyte exceptionally stable at 90 °C. <i>Chemical Communications</i> , 2010, 46, 8597.	4.1	122
15	Functionalization of Poly(2,6-dimethyl-1,4-phenylene oxide)s with Hindered Fluorene Side Chains for Anion Exchange Membranes. <i>Macromolecules</i> , 2016, 49, 3300-3309.	4.8	107
16	Mechanically Robust Anion Exchange Membranes via Long Hydrophilic Cross-Linkers. <i>Macromolecules</i> , 2017, 50, 2329-2337.	4.8	103
17	Highly Stable Alkaline Polymer Electrolyte Based on a Poly(ether ether ketone) Backbone. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13405-13411.	8.0	91
18	Aminothiazole-derived N,S,Fe-doped graphene nanosheets as high performance electrocatalysts for oxygen reduction. <i>Chemical Communications</i> , 2015, 51, 17092-17095.	4.1	85

#	ARTICLE	IF	CITATIONS
19	Alkaline polymer electrolyte fuel cells: Principle, challenges, and recent progress. <i>Science China Chemistry</i> , 2010, 53, 357-364.	8.2	80
20	An Effective Approach for Alleviating Cation-Induced Backbone Degradation in Aromatic Ether-Based Alkaline Polymer Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2809-2816.	8.0	79
21	Alkaline polymer electrolyte fuel cell with Ni-based anode and Co-based cathode. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16264-16268.	7.1	77
22	Structure-activity relationship in high-performance iron-based electrocatalysts for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 300, 279-284.	7.8	68
23	Quaternary ammonia polysulfone-PTFE composite alkaline anion exchange membrane for fuel cells application. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1983-1987.	7.1	61
24	Varying the microphase separation patterns of alkaline polymer electrolytes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4071-4081.	10.3	61
25	Ultrathin composite membrane of alkaline polymer electrolyte for fuel cell applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12497.	10.3	56
26	Cheap carbon black-based high-performance electrocatalysts for oxygen reduction reaction. <i>Chemical Communications</i> , 2015, 51, 1972-1975.	4.1	55
27	Carbonation effects on the performance of alkaline polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6655-6660.	7.1	42
28	Effect of Micromorphology on Alkaline Polymer Electrolyte Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 469-477.	8.0	36
29	Highly conductive and stable hybrid ionic cross-linked sulfonated PEEK for fuel cell. <i>Electrochimica Acta</i> , 2018, 291, 353-361.	5.2	17
30	Microstructure characteristics of hot-pressing Pr <sup>2+</sup> Fe <sup>2+</sup> B <sup>2+</sup> Cu. <i>Journal of Applied Physics</i> , 2003, 93, 8677-8679.	2.5	2