

# Jinhui Pang

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,761  
citations

257450

24  
h-index

276875

41  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique ion rectification in hypersaline environment: A high-performance and sustainable power generator system. <i>Science Advances</i> , 2018, 4, eaau1665.	10.3	195
2	Novel Wholly Aromatic Sulfonated Poly(arylene ether) Copolymers Containing Sulfonic Acid Groups on the Pendants for Proton Exchange Membrane Materials. <i>Macromolecules</i> , 2007, 40, 9435-9442.	4.8	138
3	A Charge-Density-Tunable Three/Two-Dimensional Polymer/Graphene Oxide Heterogeneous Nanoporous Membrane for Ion Transport. <i>ACS Nano</i> , 2017, 11, 10816-10824.	14.6	99
4	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. <i>Nature Communications</i> , 2018, 9, 3799.	12.8	86
5	Facile synthesis and characterization of hyperbranched poly(aryl ether ketone)s obtained via an A <sub>2</sub> + BB <sub>2</sub> approach. <i>Polymer International</i> , 2010, 59, 1360-1366.	3.1	67
6	Robust sulfonated poly(ether ether ketone) nanochannels for high-performance osmotic energy conversion. <i>National Science Review</i> , 2020, 7, 1349-1359.	9.5	65
7	Low Water Swelling and High Proton Conducting Sulfonated Poly(arylene ether) with Pendant Sulfoalkyl Groups for Proton Exchange Membranes. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2332-2338.	3.9	64
8	High-Performance Semicrystalline Poly(ether ketone)-Based Proton Exchange Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24527-24537.	8.0	60
9	Synthesis and characterization of sulfonated poly(arylene ether)s with sulfoalkyl pendant groups for proton exchange membranes. <i>Journal of Membrane Science</i> , 2008, 318, 271-279.	8.2	59
10	Poly(aryl ether ketone) containing flexible tetra-sulfonated side chains as proton exchange membranes. <i>Polymer Chemistry</i> , 2014, 5, 1477-1486.	3.9	58
11	Anion exchange membranes based on tetra-quaternized poly(arylene ether ketone). <i>Journal of Membrane Science</i> , 2016, 497, 318-327.	8.2	55
12	Poly(arylene ether ketone) carrying hyperquaternized pendants: Preparation, stability and conductivity. <i>Journal of Power Sources</i> , 2015, 287, 439-447.	7.8	46
13	Polymer electrolyte membranes based on poly(arylene ether)s with penta-sulfonated pendent groups. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1465-1474.	10.3	40
14	Rational Design of Soluble Polyaramid for High Efficiency Energy Storage Dielectric Materials at Elevated Temperatures. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900820.	3.6	38
15	Fluorinated poly(arylene ether ketone) containing pendent hexasulfophenyl for proton exchange membrane. <i>Journal of Membrane Science</i> , 2015, 492, 67-76.	8.2	37
16	Durable and chemical resistant ultra-permeable nanofiltration membrane for the separation of textile wastewater. <i>Journal of Hazardous Materials</i> , 2021, 414, 125489.	12.4	36
17	Anion exchange membrane based on poly(arylene ether ketone) containing long alkyl densely quaternized carbazole derivative pendant. <i>Journal of Membrane Science</i> , 2021, 623, 119079.	8.2	35
18	Side-Chain-Type Anion Exchange Membranes Based on Poly(arylene ether sulfone)s Containing High-Density Quaternary Ammonium Groups. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23547-23557.	8.0	34

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19	Strong acid- and solvent-resistant polyether ether ketone separation membranes with adjustable pores. <i>Chemical Engineering Journal</i> , 2020, 386, 124086.	12.7	32
20	High Dimensional Stability and Alcohol Resistance Aromatic Poly(aryl ether ketone) Polyelectrolyte Membrane Synthesis and Characterization. <i>ACS Applied Energy Materials</i> , 2019, 2, 1646-1656.	5.1	31
21	Graft octa-sulfonated poly(arylene ether) for high performance proton exchange membrane. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12698-12708.	10.3	29
22	High-strength corrosion resistant membranes for the separation of oil/water mixtures and immiscible oil mixtures based on PEEK. <i>Journal of Membrane Science</i> , 2020, 616, 118418.	8.2	29
23	New comb-shaped ionomers based on hydrophobic poly(aryl ether ketone) backbone bearing hydrophilic high concentration sulfonated micro-cluster. <i>Polymer</i> , 2016, 96, 188-197.	3.8	27
24	A high-performance anion exchange membrane based on poly(arylene ether sulfone) with a high concentration of quaternization units. <i>Journal of Membrane Science</i> , 2019, 589, 117266.	8.2	27
25	Structure and properties of sulfonated poly(arylene ether)s with densely sulfonated segments containing mono-, di- and tri-tetraphenylmethane as proton exchange membrane. <i>Journal of Membrane Science</i> , 2021, 620, 118856.	8.2	25
26	High methanol resistant polyelectrolyte membrane based on semi-crystalline Poly(ether ketone) with densely sulfonated side chain for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2021, 482, 228982.	7.8	25
27	Anion conductive piperidinium based poly(ether sulfone): Synthesis, properties and cell performance. <i>Journal of Membrane Science</i> , 2020, 594, 117471.	8.2	24
28	Highly proton conducting proton exchange membranes based on fluorinated poly(arylene ether) Tj ETQq0 0 0 rgBT, Overlock 10 Tf 50	2.3	22
29	An oil/water separation nanofibrous membrane with a 3-D structure from the blending of PES and SPEEK. <i>High Performance Polymers</i> , 2019, 31, 538-547.	1.8	22
30	High methanol resistance semi-crystalline sulfonated poly(ether ketone) proton exchange membrane for direct methanol fuel cell. <i>Journal of Membrane Science</i> , 2022, 650, 120413.	8.2	22
31	Study of blends of linear poly(ether ether ketone) of high melt viscosity and hyperbranched poly(ether ether ketone). <i>Polymer International</i> , 2011, 60, 607-612.	3.1	21
32	Preparation of high-performance antifouling polyphenylsulfone ultrafiltration membrane by the addition of sulfonated polyaniline. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	21
33	Polymeric Nano-Blue Energy Generator Based on Anion-Selective Ionomers with 3D Pores and pH-Driving Gating. <i>Advanced Energy Materials</i> , 2020, 10, 2001552.	19.5	20
34	Micro-block versus random quaternized poly(arylene ether sulfones) with highly dense quaternization units for anion exchange membranes. <i>Polymer Chemistry</i> , 2020, 11, 2399-2407.	3.9	18
35	Ultraparpermeable polymeric membranes based on particular ultra-rigid units for enhanced gas separation. <i>Journal of Membrane Science</i> , 2021, 629, 119284.	8.2	16
36	Engineered Sulfonated Polyether Sulfone Nanochannel Membranes for Salinity Gradient Power Generation. <i>ACS Applied Polymer Materials</i> , 2021, 3, 485-493.	4.4	14

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37	Ordered Assembly Conductive Nanowires Array with Tunable Polymeric Structure for Specific Organic Vapor Detection. <i>Small</i> , 2019, 15, e1900590.	10.0	13
38	Aggregation-Induced Emission Molecule Microwire-Based Specific Organic Vapor Detector through Structural Modification. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12501-12508.	8.0	13
39	Repairing of graphene oxide membranes based on SPEEK substrate for organic solvents nanofiltration through PEI needle thread method. <i>Carbon</i> , 2021, 185, 39-47.	10.3	13
40	Based On Confined Polymerization: In Situ Synthesis of PANI/PEEK Composite Film in One-Step. <i>Advanced Science</i> , 2022, 9, e2103706.	11.2	13
41	Preparation and characterization of hyperbranched poly(ether ether ketone)s suitable as rheology control agents for linear poly(ether ether ketone)s. <i>Macromolecular Research</i> , 2011, 19, 427-435.	2.4	12
42	High proton conductivity of sulfonated methoxyphenyl-containing poly(arylene ether ketone) for proton exchange membranes. <i>RSC Advances</i> , 2015, 5, 107982-107991.	3.6	10
43	Synthesis and properties poly(arylene ether sulfone)s with pendant hyper-sulfonic acid. <i>RSC Advances</i> , 2015, 5, 38298-38307.	3.6	10
44	ZnO Nanoneedle-Modified PEEK Fiber Felt for Improving Anti-fouling Performance of Oil/Water Separation. <i>Langmuir</i> , 2021, 37, 7449-7456.	3.5	10
45	Enhanced electrical properties by tuning the phase morphology of multiwalled carbon nanotube-filled poly(ether ether ketone)/polyimide composites. <i>Polymer International</i> , 2015, 64, 828-832.	3.1	7
46	Construction of antifouling zwitterionic membranes by facile multi-step integration method. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 905-912.	9.4	6
47	Novel Polymers with Ultrapermselectivity Based on Alternately Planar and Contorted Units for Gas Separation. , 2022, 4, 61-67.		6
48	Synthesis of novel Co(ii) complexed bipyrimidine polyimide and preparation of thin film composite membranes. <i>Polymer Chemistry</i> , 2020, 11, 5057-5066.	3.9	3
49	Blue Energy: Polymeric Nano-Blue-Energy Generator Based on Anion-Selective Ionomers with 3D Pores and pH-Driving Gating ( <i>Adv. Energy Mater.</i> 44/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070182.	19.5	0
50	Controllable preparation of separation membrane with nano-ridge structure surface through Cyclam induced interfacial polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127422.	4.7	0