Jinhui Pang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6129210/publications.pdf

Version: 2024-02-01

		257450	276875
50	1,761	24	41
papers	citations	h-index	g-index

52	52	52	1695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Based On Confined Polymerization: In Situ Synthesis of PANI/PEEK Composite Film in Oneâ€Step. Advanced Science, 2022, 9, e2103706.	11.2	13
2	Construction of antifouling zwitterionic membranes by facile multi-step integration method. Journal of Colloid and Interface Science, 2022, 610, 905-912.	9.4	6
3	Novel Polymers with Ultrapermeability Based on Alternately Planar and Contorted Units for Gas Separation. , 2022, 4, 61-67.		6
4	High methanol resistance semi-crystalline sulfonated poly(ether ketone) proton exchange membrane for direct methanol fuel cell. Journal of Membrane Science, 2022, 650, 120413.	8.2	22
5	Structure and properties of sulfonated poly(arylene ether)s with densely sulfonated segments containing mono-, di- and tri-tetraphenylmethane as proton exchange membrane. Journal of Membrane Science, 2021, 620, 118856.	8.2	25
6	High methanol resistant polyelectrolyte membrane based on semi-crystalline Poly(ether ketone) with densely sulfonated side chain for direct methanol fuel cell. Journal of Power Sources, 2021, 482, 228982.	7.8	25
7	Engineered Sulfonated Polyether Sulfone Nanochannel Membranes for Salinity Gradient Power Generation. ACS Applied Polymer Materials, 2021, 3, 485-493.	4.4	14
8	Aggregation-Induced Emission Molecule Microwire-Based Specific Organic Vapor Detector through Structural Modification. ACS Applied Materials & Interfaces, 2021, 13, 12501-12508.	8.0	13
9	Anion exchange membrane based on poly(arylene ether ketone) containing long alkyl densely quaternized carbazole derivative pendant. Journal of Membrane Science, 2021, 623, 119079.	8.2	35
10	Side-Chain-Type Anion Exchange Membranes Based on Poly(arylene ether sulfone)s Containing High-Density Quaternary Ammonium Groups. ACS Applied Materials & Interfaces, 2021, 13, 23547-23557.	8.0	34
11	ZnO Nanoneedle-Modified PEEK Fiber Felt for Improving Anti-fouling Performance of Oil/Water Separation. Langmuir, 2021, 37, 7449-7456.	3.5	10
12	Ultrapermeable polymeric membranes based on particular ultra-rigid units for enhanced gas separation. Journal of Membrane Science, 2021, 629, 119284.	8.2	16
13	Durable and chemical resistant ultra-permeable nanofiltration membrane for the separation of textile wastewater. Journal of Hazardous Materials, 2021, 414, 125489.	12.4	36
14	Controllable preparation of separation membrane with nano-ridge structure surface through Cyclam induced interfacial polymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127422.	4.7	0
15	Repairing of graphene oxide membranes based on SPEEK substrate for organic solvents nanofiltration through PEI needle thread method. Carbon, 2021, 185, 39-47.	10.3	13
16	Anion conductive piperidinium based poly (ether sulfone): Synthesis, properties and cell performance. Journal of Membrane Science, 2020, 594, 117471.	8.2	24
17	Polymeric Nanoâ€Blueâ€Energy Generator Based on Anionâ€Selective Ionomers with 3D Pores and pHâ€Driving Gating. Advanced Energy Materials, 2020, 10, 2001552.	19.5	20
18	Blue Energy: Polymeric Nanoâ€Blueâ€Energy Generator Based on Anionâ€Selective Ionomers with 3D Pores and pHâ€Driving Gating (Adv. Energy Mater. 44/2020). Advanced Energy Materials, 2020, 10, 2070182.	19.5	0

#	Article	IF	Citations
19	High-strength corrosion resistant membranes for the separation of oil/water mixtures and immiscible oil mixtures based on PEEK. Journal of Membrane Science, 2020, 616, 118418.	8.2	29
20	Synthesis of novel Co(ii) complexed bipyrimidine polyimide and preparation of thin film composite membranes. Polymer Chemistry, 2020, 11, 5057-5066.	3.9	3
21	Micro-block versus random quaternized poly(arylene ether sulfones) with highly dense quaternization units for anion exchange membranes. Polymer Chemistry, 2020, 11, 2399-2407.	3.9	18
22	Rational Design of Soluble Polyaramid for Highâ€Efficiency Energy Storage Dielectric Materials at Elevated Temperatures. Macromolecular Materials and Engineering, 2020, 305, 1900820.	3.6	38
23	Strong acid- and solvent-resistant polyether ether ketone separation membranes with adjustable pores. Chemical Engineering Journal, 2020, 386, 124086.	12.7	32
24	Robust sulfonated poly (ether ether ketone) nanochannels for high-performance osmotic energy conversion. National Science Review, 2020, 7, 1349-1359.	9.5	65
25	A high-performance anion exchange membrane based on poly(arylene ether sulfone) with a high concentration of quaternization units. Journal of Membrane Science, 2019, 589, 117266.	8.2	27
26	An oil/water separation nanofibrous membrane with a 3-D structure from the blending of PES and SPEEK. High Performance Polymers, 2019, 31, 538-547.	1.8	22
27	Orderedâ€Assembly Conductive Nanowires Array with Tunable Polymeric Structure for Specific Organic Vapor Detection. Small, 2019, 15, e1900590.	10.0	13
28	High Dimensional Stability and Alcohol Resistance Aromatic Poly(aryl ether ketone) Polyelectrolyte Membrane Synthesis and Characterization. ACS Applied Energy Materials, 2019, 2, 1646-1656.	5.1	31
29	Preparation of high-performance antifouling polyphenylsulfone ultrafiltration membrane by the addition of sulfonated polyaniline. Journal of Polymer Research, 2018, 25, 1.	2.4	21
30	Highly proton conducting protonâ€exchange membranes based on fluorinated poly(arylene ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	22
31	Unique ion rectification in hypersaline environment: A high-performance and sustainable power generator system. Science Advances, 2018, 4, eaau1665.	10.3	195
32	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. Nature Communications, 2018, 9, 3799.	12.8	86
33	A Charge-Density-Tunable Three/Two-Dimensional Polymer/Graphene Oxide Heterogeneous Nanoporous Membrane for Ion Transport. ACS Nano, 2017, 11, 10816-10824.	14.6	99
34	High-Performance Semicrystalline Poly(ether ketone)-Based Proton Exchange Membrane. ACS Applied Materials & Interfaces, 2017, 9, 24527-24537.	8.0	60
35	New comb-shaped ionomers based on hydrophobic poly(aryl ether ketone) backbone bearing hydrophilic high concentration sulfonated micro-cluster. Polymer, 2016, 96, 188-197.	3.8	27
36	Anion exchange membranes based on tetra-quaternized poly(arylene ether ketone). Journal of Membrane Science, 2016, 497, 318-327.	8.2	55

#	Article	IF	Citations
37	Fluorinated poly(arylene ether ketone) containing pendent hexasulfophenyl for proton exchange membrane. Journal of Membrane Science, 2015, 492, 67-76.	8.2	37
38	Graft octa-sulfonated poly(arylene ether) for high performance proton exchange membrane. Journal of Materials Chemistry A, 2015, 3, 12698-12708.	10.3	29
39	High proton conductivity of sulfonated methoxyphenyl-containing poly(arylene ether ketone) for proton exchange membranes. RSC Advances, 2015, 5, 107982-107991.	3.6	10
40	Enhanced electrical properties by tuning the phase morphology of multiwalled carbon nanotube-filled poly(ether ether ketone)/polyimide composites. Polymer International, 2015, 64, 828-832.	3.1	7
41	Poly(arylene ether ketone) carrying hyperquaternized pendants: Preparation, stability and conductivity. Journal of Power Sources, 2015, 287, 439-447.	7.8	46
42	Synthesis and properties poly(arylene ether sulfone)s with pendant hyper-sulfonic acid. RSC Advances, 2015, 5, 38298-38307.	3.6	10
43	Poly(aryl ether ketone) containing flexible tetra-sulfonated side chains as proton exchange membranes. Polymer Chemistry, 2014, 5, 1477-1486.	3.9	58
44	Polymer electrolyte membranes based on poly(arylene ether)s with penta-sulfonated pendent groups. Journal of Materials Chemistry A, 2013, 1, 1465-1474.	10.3	40
45	Preparation and characterization of hyperbranched poly(ether ether ketone)s suitable as rheology control agents for linear poly(ether ether ketone)s. Macromolecular Research, 2011, 19, 427-435.	2.4	12
46	Study of blends of linear poly(ether ether ketone) of high melt viscosity and hyperbranched poly(ether ether ketone). Polymer International, 2011, 60, 607-612.	3.1	21
47	Facile synthesis and characterization of hyperbranched poly(aryl ether ketone)s obtained via an A₂ + BBâ€²₂ approach. Polymer International, 2010, 59, 1360-1366.	3.1	67
48	Synthesis and characterization of sulfonated poly(arylene ether)s with sulfoalkyl pendant groups for proton exchange membranes. Journal of Membrane Science, 2008, 318, 271-279.	8.2	59
49	Novel Wholly Aromatic Sulfonated Poly(arylene ether) Copolymers Containing Sulfonic Acid Groups on the Pendants for Proton Exchange Membrane Materials. Macromolecules, 2007, 40, 9435-9442.	4.8	138
50	Low Water Swelling and High Proton Conducting Sulfonated Poly(arylene ether) with Pendant Sulfoalkyl Groups for Proton Exchange Membranes. Macromolecular Rapid Communications, 2007, 28, 2332-2338.	3.9	64