

Tongwen Xu

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483
papers

20,737
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66
h-index

117
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499
ext. papers

23,891
ext. citations

8.4
avg, IF

7.27
L-index

#	Paper	IF	Citations
483	Anion-exchange membranes in electrochemical energy systems. <i>Energy and Environmental Science</i> , 2014 , 7, 3135-3191	35.4	1296
482	Ion exchange membranes: State of their development and perspective. <i>Journal of Membrane Science</i> , 2005 , 263, 1-29	9.6	940
481	Ion exchange membranes: New developments and applications. <i>Journal of Membrane Science</i> , 2017 , 522, 267-291	9.6	455
480	Design of biocompatible dendrimers for cancer diagnosis and therapy: current status and future perspectives. <i>Chemical Society Reviews</i> , 2011 , 40, 2673-703	58.5	423
479	Application of electrodialysis to the production of organic acids: State-of-the-art and recent developments. <i>Journal of Membrane Science</i> , 2007 , 288, 1-12	9.6	349
478	Dendrimers as drug carriers: applications in different routes of drug administration. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 123-43	3.9	333
477	Electrodialysis-based separation technologies: A critical review. <i>AIChE Journal</i> , 2008 , 54, 3147-3159	3.6	280
476	Targeting cancer cells with biotin-dendrimer conjugates. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 862-8	6.8	243
475	Diffusion dialysis-concept, principle and applications. <i>Journal of Membrane Science</i> , 2011 , 366, 1-16	9.6	209
474	Mixed matrix proton exchange membranes for fuel cells: State of the art and perspectives. <i>Progress in Polymer Science</i> , 2016 , 57, 103-152	29.6	203
473	Development of imidazolium-type alkaline anion exchange membranes for fuel cell application. <i>Journal of Membrane Science</i> , 2012 , 415-416, 242-249	9.6	188
472	Electrodialysis with bipolar membranes for sustainable development. <i>Environmental Science & Technology</i> , 2006 , 40, 5233-43	10.3	174
471	Poly(2,6-dimethyl-1,4-phenylene oxide) (PPO) a versatile starting polymer for proton conductive membranes (PCMs). <i>Progress in Polymer Science</i> , 2008 , 33, 894-915	29.6	171
470	Polyamidoamine (PAMAM) dendrimers as biocompatible carriers of quinolone antimicrobials: an in vitro study. <i>European Journal of Medicinal Chemistry</i> , 2007 , 42, 1032-8	6.8	165
469	Transdermal delivery of nonsteroidal anti-inflammatory drugs mediated by polyamidoamine (PAMAM) dendrimers. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 595-602	3.9	160
468	Evaluation of polyamidoamine (PAMAM) dendrimers as drug carriers of anti-bacterial drugs using sulfamethoxazole (SMZ) as a model drug. <i>European Journal of Medicinal Chemistry</i> , 2007 , 42, 93-8	6.8	150
467	Highly Conductive Anion-Exchange Membranes from Microporous Tröger's Base Polymers. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11499-502	16.4	146

466	Graphene oxide modified graphitic carbon nitride as a modifier for thin film composite forward osmosis membrane. <i>Journal of Membrane Science</i> , 2015 , 475, 281-289	9.6	145
465	Dendrimers as potential drug carriers. Part I. Solubilization of non-steroidal anti-inflammatory drugs in the presence of polyamidoamine dendrimers. <i>European Journal of Medicinal Chemistry</i> , 2005 , 40, 1188-92	6.8	141
464	Atom transfer radical polymerization (ATRP): A versatile and forceful tool for functional membranes. <i>Progress in Polymer Science</i> , 2014 , 39, 124-144	29.6	140
463	Diffusion dialysis of hydrochloride acid at different temperatures using PPO/βiO ₂ hybrid anion exchange membranes. <i>Journal of Membrane Science</i> , 2010 , 347, 240-249	9.6	137
462	Alkali resistant and conductive guanidinium-based anion-exchange membranes for alkaline polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2012 , 217, 373-380	8.9	136
461	Anion-immobilized polymer electrolyte achieved by cationic metal-organic framework filler for dendrite-free solid-state batteries. <i>Energy Storage Materials</i> , 2019 , 18, 59-67	19.4	135
460	Advances in proton-exchange membranes for fuel cells: an overview on proton conductive channels (PCCs). <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4870-87	3.6	133
459	Novel silica/poly(2,6-dimethyl-1,4-phenylene oxide) hybrid anion-exchange membranes for alkaline fuel cells: Effect of silica content and the single cell performance. <i>Journal of Power Sources</i> , 2010 , 195, 3069-3076	8.9	133
458	Pharmaceutical applications of dendrimers: promising nanocarriers for drug delivery. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 1447-71	2.8	133
457	Decorating nanoporous ZIF-67-derived NiCo ₂ O ₄ shells on a Co ₃ O ₄ nanowire array core for battery-type electrodes with enhanced energy storage performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10878-10884	13	129
456	Preparation of polyethersulfone/carbon nanotube substrate for high-performance forward osmosis membrane. <i>Desalination</i> , 2013 , 330, 70-78	10.3	129
455	NMR insights into dendrimer-based host-guest systems. <i>Chemical Reviews</i> , 2012 , 112, 3856-91	68.1	127
454	Preparation and characterization of CPPO/BPPO blend membranes for potential application in alkaline direct methanol fuel cell. <i>Journal of Membrane Science</i> , 2008 , 310, 577-585	9.6	125
453	Electrodialysis of concentrated brine from RO plant to produce coarse salt and freshwater. <i>Journal of Membrane Science</i> , 2014 , 450, 323-330	9.6	122
452	Alkaline polymer electrolytes containing pendant dimethylimidazolium groups for alkaline membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7262	13	121
451	Beneficial use of rotatable-spacer side-chains in alkaline anion exchange membranes for fuel cells. <i>Energy and Environmental Science</i> , 2018 , 11, 3472-3479	35.4	119
450	The effect of dendrimers on the pharmacodynamic and pharmacokinetic behaviors of non-covalently or covalently attached drugs. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43, 2291-7	6.8	108
449	Novel alkaline anion exchange membranes containing pendant benzimidazolium groups for alkaline fuel cells. <i>Journal of Membrane Science</i> , 2013 , 443, 193-200	9.6	104

448	Dendrimers as potential drug carriers. Part II. Prolonged delivery of ketoprofen by in vitro and in vivo studies. <i>European Journal of Medicinal Chemistry</i> , 2006 , 41, 670-4	6.8	101
447	A novel route for preparing highly proton conductive membrane materials with metal-organic frameworks. <i>Chemical Communications</i> , 2013 , 49, 143-5	5.8	100
446	PVA/silica anion-exchange hybrid membranes prepared through a copolymer crosslinking agent. <i>Journal of Membrane Science</i> , 2010 , 350, 322-332	9.6	100
445	Anion exchange membranes (AEMs) based on poly(2,6-dimethyl-1,4-phenylene oxide) (PPO) and its derivatives. <i>Polymer Chemistry</i> , 2015 , 6, 5809-5826	4.9	99
444	Preparation of zwitterionic hybrid polymer and its application for the removal of heavy metal ions from water. <i>Journal of Hazardous Materials</i> , 2010 , 178, 1021-9	12.8	96
443	A Long-Lifetime All-Organic Aqueous Flow Battery Utilizing TMAP-TEMPO Radical. <i>CheM</i> , 2019 , 5, 1861-1870	18.70	94
442	Production of Lithium Hydroxide from Lake Brines through Electroelectrodialysis with Bipolar Membranes (EEDBM). <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6103-6112	3.9	94
441	Enhancement of hydroxide conduction by self-assembly in anion conductive comb-shaped copolymers. <i>Polymer Chemistry</i> , 2013 , 4, 4612	4.9	93
440	Anion exchange hybrid membranes from PVA and multi-alkoxy silicon copolymer tailored for diffusion dialysis process. <i>Journal of Membrane Science</i> , 2010 , 356, 96-104	9.6	90
439	A strategy to construct alkali-stable anion exchange membranes bearing ammonium groups via flexible spacers. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15015-15019	13	88
438	Host-guest chemistry and physicochemical properties of the dendrimer-mycophenolic acid complex. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 64-74	3.4	86
437	Novel anion-exchange organic/inorganic hybrid membranes: Preparation and characterizations for potential use in fuel cells. <i>Journal of Membrane Science</i> , 2008 , 321, 299-308	9.6	86
436	Polyamidoamine dendronized hollow fiber membranes in the recovery of heavy metal ions. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1907-12	9.5	85
435	Free-standing anion-exchange PEO/BiO ₂ hybrid membranes. <i>Journal of Membrane Science</i> , 2008 , 307, 28-36	9.6	85
434	Thermo-sensitive polyelectrolytes as draw solutions in forward osmosis process. <i>Desalination</i> , 2013 , 318, 48-55	10.3	84
433	Novel silica/poly(2,6-dimethyl-1,4-phenylene oxide) hybrid anion-exchange membranes for alkaline fuel cells: Effect of heat treatment. <i>Journal of Membrane Science</i> , 2009 , 338, 51-60	9.6	84
432	Electrodialysis with nanofiltration membrane (EDNF) for high-efficiency cations fractionation. <i>Journal of Membrane Science</i> , 2016 , 498, 192-200	9.6	83
431	Aromatic polyelectrolytes via polyacylation of pre-quatarnized monomers for alkaline fuel cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2595	13	83

430	A mechanically robust anion exchange membrane with high hydroxide conductivity. <i>Journal of Membrane Science</i> , 2016 , 504, 47-54	9.6	82
429	External electrostatic interaction versus internal encapsulation between cationic dendrimers and negatively charged drugs: which contributes more to solubility enhancement of the drugs?. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8884-90	3.4	81
428	Fundamental studies of a new series of anion exchange membranes: membrane prepared from poly(2,6-dimethyl-1,4-phenylene oxide) (PPO) and triethylamine. <i>Journal of Membrane Science</i> , 2005 , 249, 183-191	9.6	80
427	A benzyltetramethylimidazolium-based membrane with exceptional alkaline stability in fuel cells: role of its structure in alkaline stability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 527-534	13	80
426	Polyamidoamine dendrimers used as solubility enhancers of ketoprofen. <i>European Journal of Medicinal Chemistry</i> , 2005 , 40, 1390-3	6.8	77
425	Click Chemistry Finds Its Way in Constructing an Ionic Highway in Anion-Exchange Membrane. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28545-53	9.5	76
424	Improving anion exchange membranes for DMAFCs by inter-crosslinking CPPO/BPPO blends. <i>Journal of Membrane Science</i> , 2008 , 322, 286-292	9.6	75
423	Thermal crosslinking of an alkaline anion exchange membrane bearing unsaturated side chains. <i>Journal of Membrane Science</i> , 2015 , 490, 1-8	9.6	74
422	In-situ combination of fermentation and electro dialysis with bipolar membranes for the production of lactic acid: continuous operation. <i>Bioresource Technology</i> , 2013 , 147, 442-448	11	74
421	QPPO/PVA anion exchange hybrid membranes from double crosslinking agents for acid recovery. <i>Journal of Membrane Science</i> , 2013 , 428, 95-103	9.6	73
420	Alkaline Anion-Exchange Membranes Containing Mobile Ion Shuttles. <i>Advanced Materials</i> , 2016 , 28, 3467-72	11	72
419	Development of bipolar membrane-based processes. <i>Desalination</i> , 2001 , 140, 247-258	10.3	69
418	Sulfonated poly(2,6-dimethyl-1,4-phenylene oxide) (SPPO) electrolyte membranes reinforced by electrospun nanofiber porous substrates for fuel cells. <i>Journal of Membrane Science</i> , 2011 , 367, 296-305	9.6	67
417	A Novel Methodology to Synthesize Highly Conductive Anion Exchange Membranes. <i>Scientific Reports</i> , 2015 , 5, 13417	4.9	66
416	Potential of poly(amidoamine) dendrimers as drug carriers of camptothecin based on encapsulation studies. <i>European Journal of Medicinal Chemistry</i> , 2008 , 43, 1791-5	6.8	66
415	Imidazolium functionalized anion exchange membrane blended with PVA for acid recovery via diffusion dialysis process. <i>Journal of Membrane Science</i> , 2016 , 497, 209-215	9.6	65
414	Hybrid acid-base polymer membranes prepared for application in fuel cells. <i>Journal of Power Sources</i> , 2009 , 186, 286-292	8.9	65
413	A new inorganic-organic negatively charged membrane: membrane preparation and characterizations. <i>Journal of Membrane Science</i> , 2003 , 224, 117-125	9.6	64

412	Design, synthesis and potent pharmaceutical applications of glycodendrimers: a mini review. <i>Current Drug Discovery Technologies</i> , 2007 , 4, 246-54	1.5	63
411	Host-guest chemistry of dendrimer-drug complexes. 2. Effects of molecular properties of guests and surface functionalities of dendrimers. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 10650-9	3.4	62
410	Second interfacial polymerization on polyamide surface using aliphatic diamine with improved performance of TFC FO membranes. <i>Journal of Membrane Science</i> , 2016 , 498, 30-38	9.6	61
409	Preparation of anion exchange membranes from BPPO and dimethylethanolamine for electrodialysis. <i>Desalination</i> , 2017 , 402, 10-18	10.3	60
408	Production of monoprotic, diprotic, and triprotic organic acids by using electrodialysis with bipolar membranes: Effect of cell configurations. <i>Journal of Membrane Science</i> , 2011 , 385-386, 226-233	9.6	60
407	A new insight into the adsorption of bovine serum albumin onto porous polyethylene membrane by zeta potential measurements, FTIR analyses, and AFM observations. <i>Journal of Colloid and Interface Science</i> , 2003 , 262, 342-50	9.3	60
406	Oriented MOF-polymer composite nanofiber membranes for high proton conductivity at high temperature and anhydrous condition. <i>Scientific Reports</i> , 2014 , 4, 4334	4.9	59
405	Dual-cation comb-shaped anion exchange membranes: Structure, morphology and properties. <i>Journal of Membrane Science</i> , 2016 , 515, 189-195	9.6	59
404	Design of interior-functionalized fully acetylated dendrimers for anticancer drug delivery. <i>Biomaterials</i> , 2011 , 32, 9950-9	15.6	59
403	Fundamental studies of a new series of anion exchange membranes: Membranes prepared from bromomethylated poly(2,6-dimethyl-1,4-phenylene oxide) (BPPO) and pyridine. <i>Journal of Membrane Science</i> , 2006 , 279, 200-208	9.6	59
402	An ordered ZIF-8-derived layered double hydroxide hollow nanoparticles-nanoflake array for high efficiency energy storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16953-16960	13	59
401	Precisely tailoring ZIF-67 nanostructures from cobalt carbonate hydroxide nanowire arrays: toward high-performance battery-type electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16688-16694	13	58
400	Anchoring hydrophilic polymer in substrate: An easy approach for improving the performance of TFC FO membrane. <i>Journal of Membrane Science</i> , 2015 , 476, 330-339	9.6	58
399	Sulfonated Microporous Polymer Membranes with Fast and Selective Ion Transport for Electrochemical Energy Conversion and Storage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9564-9573	16.4	58
398	Facile and cost effective PVA based hybrid membrane fabrication for acid recovery. <i>Separation and Purification Technology</i> , 2014 , 136, 250-257	8.3	58
397	Fundamental studies of a new series of anion exchange membranes: Membranes prepared through chloroacetylation of poly(2,6-dimethyl-1,4-phenylene oxide) (PPO) followed by quaternary amination. <i>Journal of Membrane Science</i> , 2006 , 286, 185-192	9.6	58
396	Anion exchange membrane crosslinked in the easiest way stands out for fuel cells. <i>Journal of Power Sources</i> , 2018 , 390, 234-241	8.9	57
395	High performance anion exchange membranes obtained through graft architecture and rational cross-linking. <i>Journal of Membrane Science</i> , 2014 , 470, 229-236	9.6	57

394	Simultaneous recovery of ammonium and phosphorus via the integration of electro dialysis with struvite reactor. <i>Journal of Membrane Science</i> , 2015 , 490, 65-71	9.6	56
393	Development of BPPO-based anion exchange membranes for electro dialysis desalination applications. <i>Desalination</i> , 2016 , 391, 61-68	10.3	56
392	Regenerating sodium hydroxide from the spent caustic by bipolar membrane electro dialysis (BMED). <i>Separation and Purification Technology</i> , 2012 , 86, 49-54	8.3	56
391	Recovery of hydrochloric acid from simulated chemosynthesis aluminum foils wastewater: An integration of diffusion dialysis and conventional electro dialysis. <i>Journal of Membrane Science</i> , 2012 , 409-410, 257-263	9.6	56
390	Which is more competitive for production of organic acids, ion-exchange or electro dialysis with bipolar membranes?. <i>Journal of Membrane Science</i> , 2011 , 374, 150-156	9.6	56
389	Environmentally friendly synthesis of alkaline anion exchange membrane for fuel cells via a solvent-free strategy. <i>Journal of Membrane Science</i> , 2011 , 371, 155-162	9.6	56
388	Polyelectrolyte complex/PVA membranes for diffusion dialysis. <i>Journal of Hazardous Materials</i> , 2013 , 261, 114-22	12.8	55
387	Recovery of acetic acid from simulated acetaldehyde wastewaters: Bipolar membrane electro dialysis processes and membrane selection. <i>Journal of Membrane Science</i> , 2011 , 379, 184-190	9.6	55
386	Preparation and characterization of Type II anion exchange membranes from poly(2,6-dimethyl-1,4-phenylene oxide) (PPO). <i>Journal of Membrane Science</i> , 2008 , 320, 232-239	9.6	55
385	PVA/SiO ₂ anion exchange hybrid membranes from multisilicon copolymers with two types of molecular weights. <i>Journal of Membrane Science</i> , 2012 , 399-400, 16-27	9.6	54
384	Simultaneous enhancements of conductivity and stability for anion exchange membranes (AEMs) through precise structure design. <i>Scientific Reports</i> , 2014 , 4, 6486	4.9	54
383	Production of Sebacic Acid Using Two-Phase Bipolar Membrane Electro dialysis. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7482-7488	3.9	54
382	Solubility of nicotinic acid in polyamidoamine dendrimer solutions. <i>European Journal of Medicinal Chemistry</i> , 2005 , 40, 1384-9	6.8	54
381	Anion exchange membranes with branched ionic clusters for fuel cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5993-5998	13	53
380	Monovalent cation perm-selective membranes (MCPMs): New developments and perspectives. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 1606-1615	3.2	53
379	High-throughput screening of dendrimer-binding drugs. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13182-4	16.4	53
378	Evaluation of phenylbutazone and poly(amidoamine) dendrimers interactions by a combination of solubility, 2D-NOESY NMR, and isothermal titration calorimetry studies. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 1075-85	3.9	53
377	PEG-catalytic water splitting in the interface of a bipolar membrane. <i>Journal of Colloid and Interface Science</i> , 2003 , 263, 386-90	9.3	53

- 376 Novel quaternized aromatic amine based hybrid PVA membranes for acid recovery. *Journal of Membrane Science*, **2015**, 490, 29-37 9.6 52
- 375 New insights into the interactions between dendrimers and surfactants: 2. Design of new drug formulations based on dendrimer-surfactant aggregates. *Journal of Physical Chemistry B*, **2009**, 113, 8339-46 3.4 52
- 374 Host-guest chemistry of dendrimer-drug complexes. 3. Competitive binding of multiple drugs by a single dendrimer for combination therapy. *Journal of Physical Chemistry B*, **2009**, 113, 14172-9 3.4 52
- 373 Quaternized membranes bearing zwitterionic groups for vanadium redox flow battery through a green route. *Journal of Membrane Science*, **2015**, 483, 60-69 9.6 51
- 372 Bionic multisilicon copolymers used as novel cross-linking agents for preparing anion exchange hybrid membranes. *Journal of Physical Chemistry B*, **2011**, 115, 6474-83 3.4 51
- 371 A power free electrodialysis (PFED) for desalination. *Desalination*, **2017**, 404, 138-146 10.3 50
- 370 Regenerating flue-gas desulfurizing agents by bipolar membrane electrodialysis. *AIChE Journal*, **2006**, 52, 393-401 3.6 50
- 369 Water electro-transport with hydrated cations in electrodialysis. *Desalination*, **2015**, 365, 204-212 10.3 49
- 368 Waste Conversion and Resource Recovery from Wastewater by Ion Exchange Membranes: State-of-the-Art and Perspective. *Industrial & Engineering Chemistry Research*, **2018**, 57, 6025-6039 3.9 49
- 367 Cross-linked anion exchange membranes for alkaline fuel cells synthesized using a solvent free strategy. *Journal of Power Sources*, **2013**, 233, 259-268 8.9 49
- 366 Host-guest chemistry of dendrimer-drug complexes. 6. Fully acetylated dendrimers as biocompatible drug vehicles using dexamethasone 21-phosphate as a model drug. *Journal of Physical Chemistry B*, **2011**, 115, 2185-95 3.4 49
- 365 Endowing g-C₃N₄ Membranes with Superior Permeability and Stability by Using Acid Spacers. *Angewandte Chemie - International Edition*, **2019**, 58, 16463-16468 16.4 48
- 364 Facile preparation of 1,8-Diazabicyclo[5.4.0]undec-7-ene based high performance anion exchange membranes for diffusion dialysis applications. *Journal of Membrane Science*, **2015**, 491, 45-52 9.6 48
- 363 Phosphate Recovery from Excess Sludge by Conventional Electrodialysis (CED) and Electrodialysis with Bipolar Membranes (EDBM). *Industrial & Engineering Chemistry Research*, **2013**, 52, 15896-15904 3.9 48
- 362 Integration of conventional electrodialysis and electrodialysis with bipolar membranes for production of organic acids. *Journal of Membrane Science*, **2010**, 365, 294-301 9.6 48
- 361 Production of Tetramethyl Ammonium Hydroxide Using Bipolar Membrane Electrodialysis. *Industrial & Engineering Chemistry Research*, **2008**, 47, 7552-7557 3.9 47
- 360 Synthesis and characterizations of novel, positively charged poly(methyl acrylate)/BiO₂ nanocomposites. *European Polymer Journal*, **2005**, 41, 1901-1908 5.2 47
- 359 A low-pressure GO nanofiltration membrane crosslinked via ethylenediamine. *Journal of Membrane Science*, **2018**, 548, 363-371 9.6 47

358	Synthesis of soluble copolymers bearing ionic graft for alkaline anion exchange membrane. <i>RSC Advances</i> , 2012 , 2, 4250	3.7	46
357	Stability challenge in anion exchange membrane for fuel cells. <i>Current Opinion in Chemical Engineering</i> , 2016 , 12, 22-30	5.4	45
356	Selectrodialysis with bipolar membrane for the reclamation of concentrated brine from RO plant. <i>Desalination</i> , 2018 , 442, 8-15	10.3	45
355	A solvent-assisted ligand exchange approach enables metal-organic frameworks with diverse and complex architectures. <i>Nature Communications</i> , 2020 , 11, 927	17.4	44
354	Preparation of monovalent cation selective membranes through annealing treatment. <i>Journal of Membrane Science</i> , 2014 , 459, 217-222	9.6	44
353	A simple and green preparation of PVA-based cation exchange hybrid membranes for alkali recovery. <i>Journal of Membrane Science</i> , 2013 , 433, 10-16	9.6	44
352	A novel proton-conductive membrane with reduced methanol permeability prepared from bromomethylated poly(2,6-dimethyl-1,4-phenylene oxide) (BPPO). <i>Journal of Membrane Science</i> , 2008 , 310, 522-530	9.6	44
351	Preparation and performance evaluation of novel alkaline stable anion exchange membranes. <i>Journal of Power Sources</i> , 2017 , 355, 171-180	8.9	43
350	Highly conductive and stabilized side-chain-type anion exchange membranes: ideal alternatives for alkaline fuel cell applications. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17101-17110	13	43
349	Porous BPPO-based membranes modified by multisilicon copolymer for application in diffusion dialysis. <i>Journal of Membrane Science</i> , 2014 , 450, 103-110	9.6	43
348	In situ combination of fermentation and electrodialysis with bipolar membranes for the production of lactic acid: operational compatibility and uniformity. <i>Bioresource Technology</i> , 2012 , 125, 165-71	11	43
347	Cation exchange hybrid membranes from SPPO and multi-alkoxy silicon copolymer: Preparation, properties and diffusion dialysis performances for sodium hydroxide recovery. <i>Journal of Membrane Science</i> , 2011 , 379, 112-120	9.6	43
346	AcidBase hybrid polymer electrolyte membranes based on SPEEK. <i>Journal of Membrane Science</i> , 2010 , 350, 148-153	9.6	43
345	New insights into the interactions between dendrimers and surfactants by two dimensional NOE NMR spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12674-80	3.4	43
344	Fundamental studies on the intermediate layer of a bipolar membrane part IV. Effect of polyvinyl alcohol (PVA) on water dissociation at the interface of a bipolar membrane. <i>Journal of Colloid and Interface Science</i> , 2005 , 285, 281-7	9.3	43
343	Diffusion dialysis membranes with semi-interpenetrating network for acid recovery. <i>Journal of Membrane Science</i> , 2015 , 493, 645-653	9.6	42
342	Hyper-branched anion exchange membranes with high conductivity and chemical stability. <i>Chemical Communications</i> , 2016 , 52, 10141-3	5.8	42
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- 337 Fundamental studies on the intermediate layer of a bipolar membrane Part III. Effect of starburst dendrimer PAMAM on water dissociation at the interface of a bipolar membrane. *Journal of Membrane Science*, **2004**, 240, 141-147 9.6 41
- 336 Synthesis and characterizations of new negatively charged organicinorganic hybrid materials: effect of molecular weight of solgel precursor. *Journal of Solid State Chemistry*, **2004**, 177, 1660-1666 3.3 41
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- 334 Anion exchange membranes with clusters of alkyl ammonium group for mitigating water swelling but not ionic conductivity. *Journal of Membrane Science*, **2018**, 550, 101-109 9.6 40
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- 329 Porous diffusion dialysis membranes for rapid acid recovery. *Journal of Membrane Science*, **2016**, 502, 76-83 9.6 39
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