

Myoung Jun Park

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,105
citations

279701

23
h-index

289141

40
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41
all docs

41
docs citations

41
times ranked

2036
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide incorporated polysulfone substrate for the fabrication of flat-sheet thin-film composite forward osmosis membranes. <i>Journal of Membrane Science</i> , 2015, 493, 496-507.	4.1	213
2	Anti-fouling graphene-based membranes for effective water desalination. <i>Nature Communications</i> , 2018, 9, 683.	5.8	197
3	Hydrophilic polyvinyl alcohol coating on hydrophobic electrospun nanofiber membrane for high performance thin film composite forward osmosis membrane. <i>Desalination</i> , 2018, 426, 50-59.	4.0	162
4	Recyclable composite nanofiber adsorbent for Li ⁺ recovery from seawater desalination retentate. <i>Chemical Engineering Journal</i> , 2014, 254, 73-81.	6.6	150
5	Electrospun dual-layer nonwoven membrane for desalination by air gap membrane distillation. <i>Desalination</i> , 2017, 403, 187-198.	4.0	133
6	Dual-layered nanocomposite substrate membrane based on polysulfone/graphene oxide for mitigating internal concentration polarization in forward osmosis. <i>Polymer</i> , 2017, 110, 36-48.	1.8	103
7	Effect of sulphonated polyethersulfone substrate for thin film composite forward osmosis membrane. <i>Desalination</i> , 2016, 389, 129-136.	4.0	97
8	Macroporous flexible polyvinyl alcohol lithium adsorbent foam composite prepared via surfactant blending and cryo-desiccation. <i>Chemical Engineering Journal</i> , 2015, 280, 536-548.	6.6	80
9	Mixed matrix nanofiber as a flow-through membrane adsorber for continuous Li ⁺ recovery from seawater. <i>Journal of Membrane Science</i> , 2016, 510, 141-154.	4.1	79
10	Melamine-based covalent organic framework-incorporated thin film nanocomposite membrane for enhanced osmotic power generation. <i>Desalination</i> , 2019, 459, 10-19.	4.0	72
11	Recent Advances in Osmotic Energy Generation via Pressure-Retarded Osmosis (PRO): A Review. <i>Energies</i> , 2015, 8, 11821-11845.	1.6	63
12	Continuous lithium mining from aqueous resources by an adsorbent filter with a 3D polymeric nanofiber network infused with ion sieves. <i>Chemical Engineering Journal</i> , 2017, 309, 49-62.	6.6	62
13	Novel CA/PVDF nanofiber supports strategically designed via coaxial electrospinning for high performance thin-film composite forward osmosis membranes for desalination. <i>Desalination</i> , 2018, 445, 63-74.	4.0	61
14	Synthesis and characterization of multi-walled carbon nanotubes-supported dibenzo-14-crown-4 ether with proton ionizable carboxyl sidearm as Li ⁺ adsorbents. <i>Chemical Engineering Journal</i> , 2015, 264, 89-98.	6.6	56
15	Inkjet printed single walled carbon nanotube as an interlayer for high performance thin film composite nanofiltration membrane. <i>Journal of Membrane Science</i> , 2021, 620, 118901.	4.1	48
16	Dual-layered nanocomposite membrane incorporating graphene oxide and halloysite nanotube for high osmotic power density and fouling resistance. <i>Journal of Membrane Science</i> , 2018, 564, 382-393.	4.1	43
17	Modification of Nanofiber Support Layer for Thin Film Composite forward Osmosis Membranes via Layer-by-Layer Polyelectrolyte Deposition. <i>Membranes</i> , 2018, 8, 70.	1.4	41
18	Recent advances in nanomaterial-incorporated nanocomposite membranes for organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2021, 268, 118657.	3.9	41

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19	Thin-film composite hollow fiber membranes incorporated with graphene oxide in polyethersulfone support layers for enhanced osmotic power density. <i>Desalination</i> , 2019, 464, 63-75.	4.0	37
20	The potential of monocationic imidazolium-, phosphonium-, and ammonium-based hydrophilic ionic liquids as draw solutes for forward osmosis. <i>Desalination</i> , 2018, 444, 94-106.	4.0	33
21	Influence of colloidal fouling on pressure retarded osmosis. <i>Desalination</i> , 2016, 389, 207-214.	4.0	32
22	Tetrabutylammonium 2,4,6-trimethylbenzenesulfonate as an effective and regenerable thermo-responsive ionic liquid drawing agent in forward osmosis for seawater desalination. <i>Desalination</i> , 2020, 495, 114635.	4.0	27
23	Utilization of plasma in water desalination and purification. <i>Desalination</i> , 2021, 500, 114903.	4.0	27
24	Enhanced water permeability and osmotic power generation with sulfonate-functionalized porous polymer-incorporated thin film nanocomposite membranes. <i>Desalination</i> , 2020, 496, 114756.	4.0	26
25	Liquid-liquid extraction of Li ⁺ using mixed ion carrier system at room temperature ionic liquid. <i>Desalination and Water Treatment</i> , 2015, 53, 2774-2781.	1.0	23
26	Aliphatic polyketone-based thin film composite membrane with mussel-inspired polydopamine intermediate layer for high performance osmotic power generation. <i>Desalination</i> , 2021, 516, 115222.	4.0	21
27	Forward osmosis with direct contact membrane distillation using tetrabutylphosphonium p-toluenesulfonate as an effective and safe thermo-recyclable osmotic agent for seawater desalination. <i>Chemosphere</i> , 2021, 263, 128070.	4.2	20
28	Dehydration of forward osmosis membranes in treating high salinity wastewaters: Performance and implications. <i>Journal of Membrane Science</i> , 2016, 498, 365-373.	4.1	19
29	Inkjet printed polyelectrolyte multilayer membrane using a polyketone support for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 642, 119943.	4.1	19
30	Novel organic solvent nanofiltration membrane based on inkjet printing-assisted layer-by-layer assembly. <i>Journal of Membrane Science</i> , 2022, 655, 120582.	4.1	19
31	Chemically Cross-Linked Graphene Oxide as a Selective Layer on Electrospun Polyvinyl Alcohol Nanofiber Membrane for Nanofiltration Application. <i>Nanomaterials</i> , 2021, 11, 2867.	1.9	16
32	Supramolecular host-guest complex of methylated β -cyclodextrin with polymerized ionic liquid ([vbim]TFSI) as highly effective and energy-efficient thermo-regenerable draw solutes in forward osmosis. <i>Chemical Engineering Journal</i> , 2021, 411, 128520.	6.6	15
33	Fouling and performance of outer selective hollow fiber membrane in osmotic membrane bioreactor: Cross flow and air scouring effects. <i>Bioresource Technology</i> , 2020, 295, 122303.	4.8	12
34	Preparation and characterization of TiO ₂ generated from synthetic wastewater using TiCl ₄ based coagulation/flocculation aided with Ca(OH) ₂ . <i>Journal of Environmental Management</i> , 2019, 250, 109521.	3.8	10
35	Rejection of harsh pH saline solutions using graphene membranes. <i>Carbon</i> , 2021, 171, 240-247.	5.4	9
36	Electrode for selective bromide removal in membrane capacitive deionisation. <i>Chemosphere</i> , 2022, 287, 132169.	4.2	9

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37	Development of highly permeable self-standing nanocomposite sulfonated poly ether ketone membrane using covalent organic frameworks. <i>Desalination</i> , 2022, 538, 115935.	4.0	9
38	Silicene nanosheets as support fillers for thin film composite forward osmosis membranes. <i>Desalination</i> , 2022, 536, 115817.	4.0	8
39	Highly stable gold nanolayer membrane for efficient solar water evaporation under a harsh environment. <i>Chemosphere</i> , 2022, 299, 134394.	4.2	7
40	Indirect measurement of tensile strength of hollow fiber braid membranes. <i>Desalination</i> , 2008, 234, 107-115.	4.0	6