

# In S Kim

## List of Publications by Year in descending order

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253  
papers

12,553  
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29928

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31652

102  
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263  
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263  
docs citations

263  
times ranked

12589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of robust hollow fiber membranes using an advanced co-extrusion technology for enhanced hemodialysis. <i>Chemical Engineering Journal</i> , 2024, 493, 152678.	13.0	0
2	Development of large-scale laminar-structure nanofiltration membranes for high dye rejection and enhanced robustness: Utilizing potassium ion-crosslinked graphene oxide and polyethyleneimine surface coating. <i>Chemical Engineering Research and Design</i> , 2024, 208, 269-278.	5.7	0
3	Osmotic membrane under spacer-induced mechanical compression: Performance evaluation and 3D mechanical simulation for module optimization. <i>Journal of Membrane Science</i> , 2022, 641, 119875.	8.3	3
4	High recovery and fouling resistant double stage seawater reverse osmosis: An inter-stage ERD configuration optimized with internally-stage design (ISD). <i>Desalination</i> , 2022, 521, 115401.	8.3	6
5	Brine desalination via pervaporation using kaolin-intercalated hydrolyzed polyacrylonitrile membranes. <i>Separation and Purification Technology</i> , 2022, 281, 119874.	8.1	17
6	Dye adsorptive thin-film composite membrane with magnetite decorated sulfonated graphene oxide for efficient dye/salt mixture separation. <i>Desalination</i> , 2022, 524, 115462.	8.3	25
7	Concrete-structured Nafion@MXene/Cellulose acetate cation exchange membrane for reverse electro dialysis. <i>Journal of Membrane Science</i> , 2022, 646, 120239.	8.3	10
8	Enhancing the Dye-Rejection Efficiencies and Stability of Graphene Oxide-Based Nanofiltration Membranes via Divalent Cation Intercalation and Mild Reduction. <i>Membranes</i> , 2022, 12, 402.	3.0	10
9	Fabrication of hollow fiber membranes with different inner diameters for enhanced uremic toxins removal in hemodialysis: Exploring from high-flux to high molecular weight retention onset classes. <i>Journal of Membrane Science</i> , 2022, 663, 121065.	8.3	7
10	Extended performance study of forward osmosis during wastewater reclamation: Quantification of fouling-based concentration polarization effects on the flux decline. <i>Journal of Membrane Science</i> , 2021, 618, 118755.	8.3	18
11	Effect of size fractioned alginate-based transparent exopolymer particles on initial bacterial adhesion of forward osmosis membrane support layer. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 94, 408-418.	6.0	9
12	Practical Considerations of Wastewater Seawater Integrated Reverse Osmosis: Design Constraint by Boron Removal. <i>Membranes</i> , 2021, 11, 240.	3.0	5
13	Copper-graphene heterostructure for back-end-of-line compatible high-performance interconnects. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	8.3	17
14	Large-Area Bernal-Stacked Bilayer Graphene Film on a Uniformly Rough Cu Surface via Chemical Vapor Deposition. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2497-2503.	4.4	4
15	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. <i>Membranes</i> , 2021, 11, 458.	3.0	16
16	Insight into fouling potential analysis of a pilot-scale pressure-assisted forward osmosis plant for diluted seawater reverse osmosis desalination. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 237-246.	6.0	10
17	An improved perm-selectivity prediction of forward osmosis membrane by incorporating the effect of the surface charge on the solute partitioning. <i>Journal of Membrane Science</i> , 2021, 629, 119303.	8.3	4
18	Quantifying the influence of divalent cations mass transport on critical flux and organic fouling mechanism of forward osmosis membrane. <i>Desalination</i> , 2021, 512, 115146.	8.3	11

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19	Facile fabrication of superhydrophilic and underwater superoleophobic nanofiber membranes for highly efficient separation of oil-in-water emulsion. <i>Separation and Purification Technology</i> , 2021, 272, 118954.	8.1	30
20	Recent Progress in One- and Two-Dimensional Nanomaterial-Based Electro-Responsive Membranes: Versatile and Smart Applications from Fouling Mitigation to Tuning Mass Transport. <i>Membranes</i> , 2021, 11, 5.	3.0	9
21	Breakthroughs in the fabrication of electrospun-nanofiber-supported thin film composite/nanocomposite membranes for the forward osmosis process: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1727-1795.	13.5	40
22	Antimicrobial mechanism of reduced graphene oxide-copper oxide (rGO-CuO) nanocomposite films: The case of <i>Pseudomonas aeruginosa</i> PAO1. <i>Materials Science and Engineering C</i> , 2020, 109, 110596.	7.8	55
23	Zirconia nanofibers incorporated polysulfone nanocomposite membrane: Towards overcoming the permeance-selectivity trade-off. <i>Separation and Purification Technology</i> , 2020, 236, 116236.	8.1	24
24	Graphene oxide nanocomposite membrane cooperatively cross-linked by monomer and polymer overcoming the trade-off between flux and rejection in forward osmosis. <i>Journal of Membrane Science</i> , 2020, 598, 117684.	8.3	51
25	Antibacterial rGO-Cu-Ag film with contact- and release-based inactivation properties. <i>Environmental Research</i> , 2020, 191, 110130.	7.7	9
26	PIP/TMC Interfacial Polymerization with Electrospray: Novel Loose Nanofiltration Membrane for Dye Wastewater Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36148-36158.	8.3	140
27	Influence of hydrodynamic operating conditions on organic fouling of spiral-wound forward osmosis membranes: Fouling-induced performance deterioration in FO-RO hybrid system. <i>Water Research</i> , 2020, 185, 116154.	11.4	32
28	Chemically Prelithiated Graphene for Anodes of Li-Ion Batteries. <i>Energy &amp; Fuels</i> , 2020, 34, 13048-13055.	5.2	16
29	Transport analysis of particulate matter in media-saturated mesh tube filter for the desalination primary pretreatment process. <i>Desalination</i> , 2020, 495, 114642.	8.3	7
30	Performance Evaluation and Fouling Propensity of Forward Osmosis (FO) Membrane for Reuse of Spent Dialysate. <i>Membranes</i> , 2020, 10, 438.	3.0	7
31	An Improved Configuration of Vertical-Flow Mesh Tube Filters for Seawater Pretreatment: Performance, Cleaning, and Energy Consumption. <i>Water (Switzerland)</i> , 2020, 12, 2804.	2.8	4
32	Developments and future prospects of reverse electrodialysis for salinity gradient power generation: Influence of ion exchange membranes and electrodes. <i>Desalination</i> , 2020, 491, 114540.	8.3	82
33	A comprehensive review of the feasibility of pressure retarded osmosis: Recent technological advances and industrial efforts towards commercialization. <i>Desalination</i> , 2020, 491, 114501.	8.3	46
34	Insight into organic fouling behavior in polyamide thin-film composite forward osmosis membrane: Critical flux and its impact on the economics of water reclamation. <i>Journal of Membrane Science</i> , 2020, 606, 118118.	8.3	27
35	Effect of Spacer Configuration on the Characteristics of FO Membranes: Alteration of Permeation Characteristics by Membrane Deformation and Concentration Polarization. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6385-6395.	10.5	21
36	Atomic layer deposition and electrospinning as membrane surface engineering methods for water treatment: a short review. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1765-1785.	2.2	13

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37	Biofilm as a live and in-situ formed membrane for solids separation in bioreactors: Biofilm succession governs resistance variation demonstrated during the start-up period. <i>Journal of Membrane Science</i> , 2020, 608, 118197.	8.3	9
38	Numerical study of fluid behavior on protruding shapes within the inlet part of pressurized membrane module using computational fluid dynamics. <i>Environmental Engineering Research</i> , 2020, 25, 498-505.	2.6	2
39	Modeling of flow uniformity by installing inlet distributor within the inflow part of a pressurized module using computational fluid dynamics. <i>Environmental Engineering Research</i> , 2020, 25, 969-976.	2.6	2
40	Effect of Twisted Hollow Fiber Membranes in a Module: Computational Fluid Dynamics Simulations on the Pressure and Concentration Profile of the Module in the forward Osmosis. <i>Membrane Journal</i> , 2020, 30, 66-77.	0.4	0
41	Transition metal/carbon nanoparticle composite catalysts as platinum substitutes for bioelectrochemical hydrogen production using microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2258-2265.	7.2	38
42	Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> MXene Membranes as Nanofluidic Osmotic Power Generators. <i>ACS Nano</i> , 2019, 13, 8917-8925.	15.3	258
43	Sulfonated graphene oxide incorporated thin film nanocomposite nanofiltration membrane to enhance permeation and antifouling properties. <i>Desalination</i> , 2019, 470, 114125.	8.3	138
44	The effects of naturally occurring operation factors on the removal mechanism of major algae metabolized materials in forward osmosis process. <i>Journal of Cleaner Production</i> , 2019, 239, 118009.	9.5	13
45	Surface morphology-dependent spontaneous bacterial behaviors on graphene oxide membranes. <i>Separation and Purification Technology</i> , 2019, 226, 68-74.	8.1	27
46	Removal behaviors and fouling mechanisms of charged antibiotics and nanoparticles on forward osmosis membrane. <i>Journal of Environmental Management</i> , 2019, 247, 385-393.	7.9	19
47	Implications of Chemical Reduction Using Hydriodic Acid on the Antimicrobial Properties of Graphene Oxide and Reduced Graphene Oxide Membranes. <i>Small</i> , 2019, 15, e1901023.	11.2	59
48	Techno-economic assessment of fertiliser drawn forward osmosis process for greenwall plants from urban wastewater. <i>Chemical Engineering Research and Design</i> , 2019, 127, 180-188.	5.7	33
49	High-flux ultrafiltration membrane with open porous hydrophilic structure using dual pore formers. <i>Chemosphere</i> , 2019, 227, 662-669.	8.4	26
50	Janus Graphene Oxide-Doped, Lamellar Composite Membranes with Strong Aqueous Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7252-7259.	6.9	24
51	Low-Power Complementary Logic Circuit Using Polymer-Electrolyte-Gated Graphene Switching Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 47247-47252.	8.3	8
52	Tuning the nanostructure of nitrogen-doped graphene laminates for forward osmosis desalination. <i>Nanoscale</i> , 2019, 11, 22025-22032.	5.8	13
53	The effects of discrete and gradient mid-shell structures on the photoluminescence of single InP quantum dots. <i>Nanoscale</i> , 2019, 11, 23251-23258.	5.8	29
54	Critical review of bioelectrochemical systems integrated with membrane-based technologies for desalination, energy self-sufficiency, and high-efficiency water and wastewater treatment. <i>Desalination</i> , 2019, 452, 40-67.	8.3	109

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55	Effective removal of emerging dissolved cyanotoxins from water using hybrid photocatalytic composites. <i>Water Research</i> , 2019, 149, 421-431.	11.4	53
56	Critical flux-based membrane fouling control of forward osmosis: Behavior, sustainability, and reversibility. <i>Journal of Membrane Science</i> , 2019, 570-571, 380-393.	8.3	61
57	Forward Osmosis Membranes under Null-Pressure Condition: Do Hydraulic and Osmotic Pressures Have Identical Nature?. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3556-3566.	10.5	22
58	Underwater superoleophobic modified polysulfone electrospun membrane with efficient antifouling for ultrafast gravitational oil-water separation. <i>Separation and Purification Technology</i> , 2018, 200, 284-293.	8.1	52
59	Fabrication of highly permeable thin-film nanocomposite forward osmosis membranes via the design of novel freestanding robust nanofiber substrates. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11700-11713.	10.5	38
60	Performance evaluation of polyamide TFC membranes: Effects of free volume properties on boron transport. <i>Desalination</i> , 2018, 432, 104-114.	8.3	16
61	Correlation Between Quorum Sensing Signal Molecules and <i>Pseudomonas aeruginosa</i> 's Biofilm Development and Virulence. <i>Current Microbiology</i> , 2018, 75, 787-793.	2.2	40
62	Rock Powder Can Improve Vermicompost Chemical Properties and Plant Nutrition: an On-farm Experiment. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 1-12.	1.4	32
63	Laminar reduced graphene oxide membrane modified with silver nanoparticle-polydopamine for water/ion separation and biofouling resistance enhancement. <i>Desalination</i> , 2018, 426, 21-31.	8.3	62
64	Tunable semi-permeability of graphene-based membranes by adjusting reduction degree of laminar graphene oxide layer. <i>Journal of Membrane Science</i> , 2018, 547, 73-79.	8.3	138
65	Applications of nisin for biofouling mitigation of reverse osmosis membranes. <i>Desalination</i> , 2018, 429, 52-59.	8.3	12
66	Serially connected forward osmosis membrane elements of pressure-assisted forward osmosis-reverse osmosis hybrid system: Process performance and economic analysis. <i>Desalination</i> , 2018, 448, 1-12.	8.3	48
67	Novel sulfonated graphene oxide incorporated polysulfone nanocomposite membranes for enhanced-performance in ultrafiltration process. <i>Chemosphere</i> , 2018, 207, 581-589.	8.4	118
68	Tumor necrosis factor $\alpha$ -converting enzyme inhibitor attenuates lipopolysaccharide-induced reactive oxygen species and mitogen-activated protein kinase expression in human renal proximal tubule epithelial cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 135.	2.3	10
69	Tunable Ion Sieving of Graphene Membranes through the Control of Nitrogen-Bonding Configuration. <i>Nano Letters</i> , 2018, 18, 5506-5513.	9.5	56
70	Optimization of chemical cleaning for reverse osmosis membranes with organic fouling using statistical design tools. <i>Environmental Engineering Research</i> , 2018, 23, 474-484.	2.6	15
71	Development of Graphene Nanocomposite Membrane Using Layer-by-layer Technique for Desalination. <i>Membrane Journal</i> , 2018, 28, 75-82.	0.4	1
72	Preparation of Polysulfone Composite Ultrafiltration Hollow Fiber Membranes Incorporating Nano-size Fumed Silica with Enhanced Antifouling Properties. <i>Membrane Journal</i> , 2018, 28, 379-387.	0.4	0

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73	Forward osmosis as a pre-treatment for treating coal seam gas associated water: Flux and fouling behaviour. <i>Desalination</i> , 2017, 403, 144-152.	8.3	31
74	Enhanced desalination performance of forward osmosis membranes based on reduced graphene oxide laminates coated with hydrophilic polydopamine. <i>Carbon</i> , 2017, 117, 293-300.	10.7	135
75	The effect of doping temperature on the nitrogen-bonding configuration of nitrogen-doped graphene by hydrothermal treatment. <i>RSC Advances</i> , 2017, 7, 20738-20741.	3.7	18
76	Effect of intermittent pressure-assisted forward osmosis (I-PAFO) on organic fouling. <i>Desalination</i> , 2017, 419, 60-69.	8.3	19
77	Characterization of pore size distribution (PSD) in cellulose triacetate (CTA) and polyamide (PA) thin active layers by positron annihilation lifetime spectroscopy (PALS) and fractional rejection (FR) method. <i>Journal of Membrane Science</i> , 2017, 527, 143-151.	8.3	48
78	Blockade of dopamine D <sub>1</sub> -family receptors attenuates the mania-like hyperactive, risk-preferring, and high motivation behavioral profile of mice with low dopamine transporter levels. <i>Journal of Psychopharmacology</i> , 2017, 31, 1334-1346.	4.2	16
79	Improved recovery of bioenergy and osmotic water in an osmotic microbial fuel cell using micro-diffuser assisted marine aerobic biofilm on cathode. <i>Biochemical Engineering Journal</i> , 2017, 128, 235-242.	3.8	46
80	Effect of boron rejection and recovery rate on a single-pass design of SWRO using hybrid membrane inter-stage design (HID) concept. <i>Desalination</i> , 2017, 404, 215-223.	8.3	19
81	A Short Review of Membrane Fouling in Forward Osmosis Processes. <i>Membranes</i> , 2017, 7, 30.	3.0	114
82	Membrane-Based Desalination Technology for Energy Efficiency and Cost Reduction. , 2017, , 31-74.		3
83	Estimation of Water Production Cost from Seawater Reverse Osmosis (SWRO) Plant in Korea. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2017, 39, 169-179.	1.1	3
84	Characterization and Seawater Filtration Performance of Commercial Microfiltration and Ultrafiltration Membranes. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2017, 39, 542-547.	1.1	1
85	Editorial: Journal of Water Reuse and Desalination moves to Open Access. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 465-465.	2.3	0
86	Influence of hydrophobic and electrostatic membrane surface properties on biofouling in a submerged membrane bioreactor under different filtration modes. <i>Desalination and Water Treatment</i> , 2016, 57, 26641-26647.	1.0	7
87	Comparison of different semipermeable membranes for power generation and water flux in osmotic microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2305-2312.	3.1	16
88	The characteristic of passive adsorption using the submerged hydrophilic membrane in biological treatment process. <i>Desalination and Water Treatment</i> , 2016, 57, 26648-26656.	1.0	0
89	Effects of aeration on/off times and hydraulic retention times in an intermittently aerated membrane bioreactor. <i>Desalination and Water Treatment</i> , 2016, 57, 7574-7581.	1.0	5
90	Fouling characteristics and their implications on cleaning of a FO-RO pilot process for treating brackish surface water. <i>Desalination</i> , 2016, 394, 91-100.	8.3	39

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91	Assessment of different ceramic filtration membranes as a separator in microbial fuel cells. <i>Desalination and Water Treatment</i> , 2016, 57, 28077-28085.	1.0	17
92	Cleaning efficacy of hydroxypropyl-beta-cyclodextrin for biofouling reduction on reverse osmosis membranes. <i>Biofouling</i> , 2016, 32, 359-370.	2.2	15
93	Development of a novel process to mitigate membrane fouling in a continuous sludge system by seeding aerobic granules at pilot plant. <i>Journal of Membrane Science</i> , 2016, 497, 90-98.	8.3	47
94	Evaluation of energy and water recovery in forward osmosis bioelectrochemical hybrid system with cellulose triacetate and polyamide asymmetric membrane in different orientations. <i>Desalination and Water Treatment</i> , 2016, 57, 7406-7413.	1.0	7
95	Comparative Analysis of Seawater Desalination Technology in Korea and Overseas. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2016, 38, 255-268.	1.1	9
96	Structure Parameter Change Estimation of a Forward Osmosis Membrane Under Pressurized Conditions in Pressure-assisted Forward Osmosis (PAFO). <i>Membrane Journal</i> , 2016, 26, 187-196.	0.4	0
97	Effect of Intermittent Pressure-Assisted Forward Osmosis (I-PAFO) Operation on Colloidal Membrane Fouling and Physical Cleaning Efficiency. <i>Membrane Journal</i> , 2016, 26, 273-280.	0.4	0
98	Biofouling in Osmotic Membrane Bioreactor. , 2015, , 241-275.		0
99	Use of rhamnolipid biosurfactant for membrane biofouling prevention and cleaning. <i>Biofouling</i> , 2015, 31, 211-220.	2.2	29
100	Foulant characterization and distribution in spiral wound reverse osmosis membranes from different pressure vessels. <i>Desalination</i> , 2015, 370, 44-52.	8.3	45
101	Formation and speciation of haloacetic acids in seawater desalination using chlorine dioxide as disinfectant. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 193-201.	6.0	30
102	Influence of pressurized anode chamber on ion transports and power generation of UF membrane microbial fuel cells (UF-MFCs). <i>Journal of Power Sources</i> , 2015, 279, 731-736.	8.0	9
103	Physicochemical Interactions between Rhamnolipids and <i>Pseudomonas aeruginosa</i> Biofilm Layers. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3718-3726.	10.5	77
104	Potential effects of damaged <i>Pseudomonas aeruginosa</i> PAO1 cells on development of reverse osmosis membrane biofouling. <i>Journal of Membrane Science</i> , 2015, 477, 86-92.	8.3	12
105	Qualitative analysis of the most toxic and abundant microcystin variants (LR, RR, and YR) by using LCMS-IT-TOF. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 375-381.	6.0	10
106	Citric acid and ethylene diamine tetra-acetic acid as effective washing agents to treat sewage sludge for agricultural reuse. <i>Waste Management</i> , 2015, 46, 440-448.	7.6	61
107	Evaluation of hydrogen production and internal resistance in forward osmosis membrane integrated microbial electrolysis cells. <i>Bioresource Technology</i> , 2015, 187, 106-112.	9.7	39
108	Effect of initial salt concentrations on cell performance and distribution of internal resistance in microbial desalination cells. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 852-860.	2.4	24

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109	Experimental Evaluation and Resident's Assessment of Zero Food Waste System in Multi-family Housing Estates. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2015, 37, 674-681.	1.1	6
110	Bioelectrochemical Production of Hydrogen from Organic Waste. <i>Biofuels and Biorefineries</i> , 2015, , 249-281.	0.0	2
111	Anode direct contact for enhancing power generation and biofouling reduction in ultrafiltration microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1767-1771.	3.1	7
112	Electricity generation from rice straw using a microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9490-9496.	7.2	107
113	Polydopamine coating effects on ultrafiltration membrane to enhance power density and mitigate biofouling of ultrafiltration microbial fuel cells (UF-MFCs). <i>Water Research</i> , 2014, 54, 62-68.	11.4	110
114	Comparative pyrosequencing analysis of bacterial community change in biofilm formed on seawater reverse osmosis membrane. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 125-136.	2.4	15
115	Effects of phosphate limitation in feed water on biofouling in forward osmosis (FO) process. <i>Desalination</i> , 2014, 349, 51-59.	8.3	32
116	Organic fouling behavior in direct contact membrane distillation. <i>Desalination</i> , 2014, 347, 230-239.	8.3	138
117	Sulfonated polyether ether ketone (SPEEK)-based composite proton exchange membrane reinforced with nanofibers for microbial electrolysis cells. <i>Chemical Engineering Journal</i> , 2014, 254, 393-398.	13.0	79
118	Microbial desalination cell for concurrent hydrogen peroxide production and desalination. <i>Journal of Environmental Engineering and Science</i> , 2014, 9, 197-206.	0.9	3
119	Potential of fluorophore labeled aptamers for <i>Pseudomonas aeruginosa</i> detection in drinking water. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2013, 56, 165-171.	0.8	28
120	Improvement of biohydrogen generation and seawater desalination in a microbial electrodialysis cell by installing the direct proton transfer pathway between the anode and cathode chambers. <i>Desalination and Water Treatment</i> , 2013, 51, 6362-6369.	1.0	9
121	Study on mass production of aquaporinZ for biomimetic water purification membrane. <i>Desalination and Water Treatment</i> , 2013, 51, 6370-6377.	1.0	7
122	A detailed organic matter characterization of pretreated seawater using low pressure microfiltration hybrid systems. <i>Journal of Membrane Science</i> , 2013, 428, 290-300.	8.3	42
123	Reflection of the structural distinctions of sourceâ€”different humic substances on organic fouling behaviors of SWRO membranes. <i>Desalination</i> , 2013, 318, 72-78.	8.3	9
124	High-quality effluent and electricity production from non-CEM based flow-through type microbial fuel cell. <i>Chemical Engineering Journal</i> , 2013, 218, 19-23.	13.0	66
125	Foulant analysis of a reverse osmosis membrane used pretreated seawater. <i>Journal of Membrane Science</i> , 2013, 428, 434-444.	8.3	54
126	Effects of enzymatic treatment on the reduction of extracellular polymeric substances (EPS) from biofouled membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 6355-6361.	1.0	24



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127	Effect of dead cells on biofouling in the reverse osmosis process. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 1396-1401.	2.1	1
128	Nitrification and denitrification using biofilters packed with sulfur and limestone at a pilot-scale municipal wastewater treatment plant. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1271-1278.	2.4	12
129	Performance enhancement of MBR operated with aerobic granules on membrane filterability improvement. <i>Desalination and Water Treatment</i> , 2012, 43, 323-331.	1.0	4
130	Proapoptotic effect of a micropollutant (tris-(2-chloroethyl)-phosphate) at environmental level in primary cultured renal proximal tubule cells. <i>Journal of Water and Health</i> , 2012, 10, 522-530.	2.6	16
131	Bioconjugation of gold nanoparticles with DNA for <i>in situ</i> hybridization. <i>Desalination and Water Treatment</i> , 2012, 46, 38-45.	1.0	2
132	Spatial distribution and viability of nitrifying, denitrifying and ANAMMOX bacteria in biofilms of sponge media retrieved from a full-scale biological nutrient removal plant. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1157-1165.	3.5	18
133	Multiplex competitive microbead-based flow cytometric immunoassay using quantum dot fluorescent labels. <i>Analytica Chimica Acta</i> , 2012, 750, 191-198.	5.5	36
134	Exploring microbial communities and differences of cartridge filters (CFs) and reverse osmosis (RO) membranes for seawater desalination processes. <i>Desalination</i> , 2012, 298, 85-92.	8.3	29
135	Biofouling Potential Reductions Using a Membrane Hybrid System as a Pre-treatment to Seawater Reverse Osmosis. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1716-1727.	3.0	23
136	Metastasis-Associated Cell Surface Oncoproteomics. <i>Frontiers in Pharmacology</i> , 2012, 3, 192.	3.6	13
137	Determination of sinigrin, sinalbin, allyl- and benzyl isothiocyanates by RP-HPLC in mustard powder extracts. <i>LWT - Food Science and Technology</i> , 2012, 47, 293-299.	5.3	41
138	Nanofiltration membranes based on polyvinylidene fluoride nanofibrous scaffolds and crosslinked polyethyleneimine networks. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	2.0	52
139	Effect of chemical cleaning on membrane biofouling in seawater reverse osmosis processes. <i>Desalination and Water Treatment</i> , 2011, 33, 289-294.	1.0	5
140	Potential integration of cadmium lab chip with immunoassay using quantum dot/antibody probe for detection of microcystin-LR. <i>Desalination and Water Treatment</i> , 2011, 33, 382-388.	1.0	3
141	Bead-Based Competitive Fluorescence Immunoassay for Sensitive and Rapid Diagnosis of Cyanotoxin Risk in Drinking Water. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7804-7811.	10.5	45
142	Bacterial aox genotype from arsenic contaminated mine to adjacent coastal sediment: Evidences for potential biogeochemical arsenic oxidation. <i>Journal of Hazardous Materials</i> , 2011, 193, 233-242.	12.6	17
143	Effects of biofouling on ion transport through cation exchange membranes and microbial fuel cell performance. <i>Bioresource Technology</i> , 2011, 102, 298-303.	9.7	166
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