Saravanamuthu Vigneswaran

List of Publications by Year in Descending Order

185 papers	6,493 citations	43 h-index	74 g-index
189 ext. papers	7,584 ext. citations	7.6 avg, IF	6.32 L-index

#	Paper	IF	Citations
185	Ozonation/adsorption hybrid treatment system for improved removal of natural organic matter and organic micropollutants from water - A mini review and future perspectives.. *Chemosphere*, **2022**, 133961	8.4	2
184	On-site domestic wastewater treatment system using shredded waste plastic bottles as biofilter media: Pilot-scale study on effluent standards in Bhutan. *Chemosphere*, **2022**, 286, 131729	8.4	0
183	Removing ammonium from contaminated water using Purolite C100E: batch, column, and household filter studies. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
182	Continuous and selective copper recovery by multi-modified and granulated SBA-15. *Chemosphere*, **2021**, 271, 129820	8.4	5
181	Integrated treatment of submerged membrane and adsorption using dried Aphanothece sp for removing cadmium from synthetic wastewater. *Journal of Water Process Engineering*, **2021**, 41, 102022	6.7	1
180	Metals Recovery from Seawater Desalination Brines: Technologies, Opportunities, and Challenges. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 7704-7712	8.3	11
179	Enhanced nanofiltration rejection of inorganic and organic compounds from a wastewater-reclamation plant micro-filtered water using adsorption pre-treatment. *Separation and Purification Technology*, **2021**, 260, 118207	8.3	9
178	Comparing nanofiltration membranes effectiveness for inorganic and organic compounds removal from a wastewater-reclamation plant micro-filtered water. *Materials Today: Proceedings*, **2021**, 47, 1389-1393	1.4	1
177	Enhanced Removal of Nutrients, Heavy Metals, and PAH from Synthetic Stormwater by Incorporating Different Adsorbents into a Filter Media. *Water, Air, and Soil Pollution*, **2021**, 232, 1	2.6	2
176	Low-cost laterite-laden household filters for removing arsenic from groundwater in Vietnam and waste management. *Chemical Engineering Research and Design*, **2021**, 152, 154-163	5.5	3
175	Recovery of rare earth elements (Lu, Y) by adsorption using functionalized SBA-15 and MIL-101 (Cr). *Chemosphere*, **2021**, 281, 130869	8.4	6
174	Single-step removal of arsenite ions from water through oxidation-coupled adsorption using Mn/Mg/Fe layered double hydroxide as catalyst and adsorbent.. *Chemosphere*, **2021**, 133370	8.4	4
173	Selective Recovery of Rare Earth Elements from Mine Ore by Cr-MIL Metal Organic Frameworks. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 16896-16904	8.3	0
172	Enhancing the performance of membrane distillation and ion-exchange manganese oxide for recovery of water and lithium from seawater. *Chemical Engineering Journal*, **2020**, 396, 125386	14.7	18
171	Iron and zirconium modified luffa fibre as an effective bioadsorbent to remove arsenic from drinking water. *Chemosphere*, **2020**, 258, 127370	8.4	13
170	Hybrid membrane distillation: Resource, nutrient and energy recovery. *Journal of Membrane Science* , **2020**, 599, 117832	9.6	53
169	Batch Study of Cadmium Biosorption by Carbon Dioxide Enriched Aphanothece sp. Dried Biomass. *Water (Switzerland)*, **2020**, 12, 264	3	13

168	Progress, challenges, and opportunities in enhancing NOM flocculation using chemically modified chitosan: a review towards future development. *Environmental Science: Water Research and Technology*, **2020**, 6, 45-61	4.2	19
167	Removing arsenic from water with an original and modified natural manganese oxide ore: batch kinetic and equilibrium adsorption studies. *Environmental Science and Pollution Research*, **2020**, 27, 5490-5502	5.1	12
166	Selective copper recovery by membrane distillation and adsorption system from synthetic acid mine drainage. *Chemosphere*, **2020**, 260, 127528	8.4	14
165	Removal of organic matter from wastewater reverse osmosis concentrate using granular activated carbon and anion exchange resin adsorbent columns in sequence. *Chemosphere*, **2020**, 261, 127549	8.4	11
164	Removing arsenate from water using modified manganese oxide ore: Column adsorption and waste management. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104491	6.8	8
163	Laterite as a low-cost adsorbent in a sustainable decentralized filtration system to remove arsenic from groundwater in Vietnam. *Science of the Total Environment*, **2020**, 699, 134267	10.2	21
162	Recovery of sodium sulfate from seawater brine using fractional submerged membrane distillation crystallizer. *Chemosphere*, **2020**, 238, 124641	8.4	23
161	Selective copper extraction by multi-modified mesoporous silica material, SBA-15. *Science of the Total Environment*, **2019**, 697, 134070	10.2	16
160	Removal of various contaminants from water by renewable lignocellulose-derived biosorbents: a comprehensive and critical review. *Critical Reviews in Environmental Science and Technology*, **2019**, 49, 2155-2219	11.1	44
159	Interrelationship among the pollutants in stormwater in an urban catchment and first flush identification using UV spectroscopy. *Chemosphere*, **2019**, 233, 245-251	8.4	12
158	Membrane distillation crystallization for brine mining and zero liquid discharge: opportunities, challenges, and recent progress. *Environmental Science: Water Research and Technology*, **2019**, 5, 1202-1221	4.2	36
157	A comparative study on nitric oxide and hypochlorite as a membrane cleaning agent to minimise biofilm growth in a membrane bioreactor (MBR) process. *Biochemical Engineering Journal*, **2019**, 148, 9-15	4.2	7
156	Removal of dissolved organic matter fractions from reverse osmosis concentrate: Comparing granular activated carbon and ion exchange resin adsorbents. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103126	6.8	12
155	Iron-impregnated granular activated carbon for arsenic removal: Application to practical column filters. *Journal of Environmental Management*, **2019**, 239, 235-243	7.9	52
154	Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. *Journal of Hazardous Materials*, **2019**, 373, 258-270	12.8	101
153	3D printed spacers for organic fouling mitigation in membrane distillation. *Journal of Membrane Science*, **2019**, 581, 331-343	9.6	41
152	Effect of inorganic and organic compounds on the performance of fractional-submerged membrane distillation-crystallizer. *Journal of Membrane Science*, **2019**, 582, 9-19	9.6	6
151	Removing arsenic from water by coprecipitation with iron: Effect of arsenic and iron concentrations and adsorbent incorporation. *Chemosphere*, **2019**, 226, 431-438	8.4	17

150	A critical review on remediation, reuse, and resource recovery from acid mine drainage. *Environmental Pollution*, **2019**, 247, 1110-1124	9.3	146
149	Simultaneous removal of natural organic matter and micro-organic pollutants from reverse osmosis concentrate using granular activated carbon. *Water Research*, **2019**, 155, 106-114	12.5	36
148	Simultaneous removal of polycyclic aromatic hydrocarbons and heavy metals from water using granular activated carbon. *Chemosphere*, **2019**, 223, 616-627	8.4	38
147	Acid mine drainage treatment by integrated submerged membrane distillation-sorption system. *Chemosphere*, **2019**, 218, 955-965	8.4	37
146	Characteristics and mechanisms of cadmium adsorption onto biogenic aragonite shells-derived biosorbent: Batch and column studies. *Journal of Environmental Management*, **2019**, 241, 535-548	7.9	42
145	Modelling equilibrium adsorption of single, binary, and ternary combinations of Cu, Pb, and Zn onto granular activated carbon. *Environmental Science and Pollution Research*, **2018**, 25, 16664-16675	5.1	27
144	Removing polycyclic aromatic hydrocarbons from water using granular activated carbon: kinetic and equilibrium adsorption studies. *Environmental Science and Pollution Research*, **2018**, 25, 13511-13524	5.1	39
143	Application of forward osmosis membrane in nanofiltration mode to treat reverse osmosis concentrate from wastewater reclamation plants. *Water Science and Technology*, **2018**, 77, 1990-1997	2.2	9
142	Submerged membrane adsorption hybrid system using four adsorbents to remove nitrate from water. *Environmental Science and Pollution Research*, **2018**, 25, 20328-20335	5.1	18
141	Removal of selected pesticides from groundwater by membrane distillation. *Environmental Science and Pollution Research*, **2018**, 25, 20336-20347	5.1	16
140	Adsorptive removal of five heavy metals from water using blast furnace slag and fly ash. *Environmental Science and Pollution Research*, **2018**, 25, 20430-20438	5.1	70
139	Mathematical Modelling of Nitrate Removal from Water Using a Submerged Membrane Adsorption Hybrid System with Four Adsorbents. *Applied Sciences (Switzerland)*, **2018**, 8, 194	2.6	7
138	Struvite production using membrane-bioreactor wastewater effluent and seawater. *Desalination*, **2018**, 444, 1-5	10.3	9
137	Effect of chemical and physical factors on the crystallization of calcium sulfate in seawater reverse osmosis brine. *Desalination*, **2018**, 426, 78-87	10.3	29
136	Valuable rubidium extraction from potassium reduced seawater brine. *Journal of Cleaner Production*, **2018**, 174, 1079-1088	10.3	25
135	Fluoride removal from groundwater using direct contact membrane distillation (DCMD) and vacuum enhanced DCMD (VEDCMD). *Separation and Purification Technology*, **2017**, 180, 125-132	8.3	24
134	Readily Wash-Off Road Dust and Associated Heavy Metals on Motorways. *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	46
133	Effect of engineered environment on microbial community structure in biofilter and biofilm on reverse osmosis membrane. *Water Research*, **2017**, 124, 227-237	12.5	20

132	Experimental comparison of submerged membrane distillation configurations for concentrated brine treatment. *Desalination*, **2017**, 420, 54-62	10.3	37
131	Rubidium extraction from seawater brine by an integrated membrane distillation-selective sorption system. *Water Research*, **2017**, 123, 321-331	12.5	42
130	Removing heavy metals using permeable pavement system with a titanate nano-fibrous adsorbent column as a post treatment. *Chemosphere*, **2017**, 168, 467-473	8.4	26
129	Protein fouling in carbon nanotubes enhanced ultrafiltration membrane: Fouling mechanism as a function of pH and ionic strength. *Separation and Purification Technology*, **2017**, 176, 323-334	8.3	42
128	Transport phenomena and fouling in vacuum enhanced direct contact membrane distillation: Experimental and modelling. *Separation and Purification Technology*, **2017**, 172, 285-295	8.3	33
127	Submerged membrane filtration adsorption hybrid system for the removal of organic micropollutants from a water reclamation plant reverse osmosis concentrate. *Desalination*, **2017**, 401, 134-141	10.3	53
126	Membrane distillation for wastewater reverse osmosis concentrate treatment with water reuse potential. *Journal of Membrane Science*, **2017**, 524, 565-575	9.6	94
125	Mining valuable minerals from seawater: a critical review. *Environmental Science: Water Research and Technology*, **2017**, 3, 37-53	4.2	88
124	Removing ammonium from water using modified corncob-biochar. *Science of the Total Environment*, **2017**, 579, 612-619	10.2	118
123	4.3 Membrane Biofouling: Biofouling Assessment and Reduction Strategies in Seawater Reverse Osmosis Desalination **2017**, 48-71		1
122	Fouling study on vacuum-enhanced direct contact membrane distillation for seawater desalinationPresented at GMVP Desalination Academic Workshop, Seoul, Korea, December 9, 2014View all notes. *Desalination and Water Treatment*, **2016**, 57, 10042-10051		2
121	Performance evaluation of carbon nanotube enhanced membranes for SWRO pretreatment application. *Journal of Industrial and Engineering Chemistry*, **2016**, 38, 123-131	6.3	3
120	Rubidium recovery using potassium cobalt hexacyanoferrate sorbent. *Desalination and Water Treatment*, **2016**, 57, 26577-26585		6
119	A review on fouling of membrane distillation. *Desalination and Water Treatment*, **2016**, 57, 10052-10076		63
118	Removing nitrate from water using iron-modified Dowex 21K XLT ion exchange resin: Batch and fluidised-bed adsorption studies. *Separation and Purification Technology*, **2016**, 158, 62-70	8.3	67
117	Removal of natural organic matter at the Gunbower water treatment plant in northern Victoria, Australia. *Desalination and Water Treatment*, **2016**, 57, 9061-9069		2
116	Modified centrifugal technique for determining polymer demand and achievable dry solids content in the dewatering of anaerobically digested sludge. *Desalination and Water Treatment*, **2016**, 57, 25509-25519		13
115	In-depth analyses of organic matters in a full-scale seawater desalination plant and an autopsy of reverse osmosis membrane. *Separation and Purification Technology*, **2016**, 162, 171-179	8.3	51

114	Removal of phosphorus by a high rate membrane adsorption hybrid system. *Bioresource Technology* , **2016**, 201, 365-9	11	17
113	Column studies on the removal of dissolved organic carbon, turbidity and heavy metals from stormwater using granular activated carbon. *Desalination and Water Treatment*, **2016**, 57, 5045-5055		18
112	Advanced organic and biological analysis of dual media filtration used as a pretreatment in a full-scale seawater desalination plant. *Desalination*, **2016**, 385, 83-92	10.3	17
111	Effect of microbial community structure on organic removal and biofouling in membrane adsorption bioreactor used in seawater pretreatment. *Chemical Engineering Journal*, **2016**, 294, 30-39	14.7	13
110	Selective sorption of rubidium by potassium cobalt hexacyanoferrate. *Separation and Purification Technology*, **2016**, 163, 238-246	8.3	52
109	Marine bacterial transparent exopolymer particles (TEP) and TEP precursors: Characterization and RO fouling potential. *Desalination*, **2016**, 379, 68-74	10.3	34
108	Phosphate Adsorption from Membrane Bioreactor Effluent Using Dowex 21K XLT and Recovery as Struvite and Hydroxyapatite. *International Journal of Environmental Research and Public Health*, **2016**, 13,	4.6	7
107	A review on sludge dewatering indices. *Water Science and Technology*, **2016**, 74, 1-16	2.2	51
106	Rainwater Harvesting in New South Wales, Australia **2016**, 35-74		1
105	Stormwater Treatment Technology for Water Reuse **2016**, 75-105		
104	Enhanced removal of nitrate from water using amine-grafted agricultural wastes. *Science of the Total Environment*, **2016**, 565, 503-510	10.2	62
103	Application of pressure assisted forward osmosis for water purification and reuse of reverse osmosis concentrate from a water reclamation plant. *Separation and Purification Technology*, **2016**, 171, 182-190	8.3	33
102	Rubidium extraction using an organic polymer encapsulated potassium copper hexacyanoferrate sorbent. *Chemical Engineering Journal*, **2016**, 306, 31-42	14.7	36
101	Simultaneous adsorption of Cd, Cr, Cu, Pb, and Zn by an iron-coated Australian zeolite in batch and fixed-bed column studies. *Chemical Engineering Journal*, **2015**, 270, 393-404	14.7	184
100	Forward osmosis treatment for volume minimisation of reverse osmosis concentrate from a water reclamation plant and removal of organic micropollutants. *Desalination*, **2015**, 372, 32-38	10.3	28
99	Submerged membrane (GAC) adsorption hybrid system in reverse osmosis concentrate treatment. *Separation and Purification Technology*, **2015**, 146, 8-14	8.3	26
98	Experimental evaluation of microfiltration granular activated carbon (MF GAC)/nano filter hybrid system in high quality water reuse. *Journal of Membrane Science*, **2015**, 476, 1-9	9.6	25
97	Interaction of humic substances on fouling in membrane distillation for seawater desalination. *Chemical Engineering Journal*, **2015**, 262, 946-957	14.7	69

96	Sources, Distribution, Environmental Fate, and Ecological Effects of Nanomaterials in Wastewater Streams. *Critical Reviews in Environmental Science and Technology*, **2015**, 45, 277-318	11.1	63
95	Effects of Humic Acid and Suspended Solids on the Removal of Heavy Metals from Water by Adsorption onto Granular Activated Carbon. *International Journal of Environmental Research and Public Health*, **2015**, 12, 10475-89	4.6	28
94	Trace elements in road-deposited and waterbed sediments in Kogarah Bay, Sydney: enrichment, sources and fractionation. *Soil Research*, **2015**, 53, 401	1.8	2
93	A novel plate settler in immersed membrane bioreactor (iMBR) in reducing membrane fouling. *Desalination and Water Treatment*, **2015**, 55, 10-16		2
92	Assessment of biological activated carbon treatment to control membrane fouling in reverse osmosis of secondary effluent for reuse in irrigation. *Desalination*, **2015**, 364, 90-95	10.3	24
91	Use of nanofiltration and reverse osmosis in reclaiming micro-filtered biologically treated sewage effluent for irrigation. *Desalination*, **2015**, 364, 119-125	10.3	29
90	Practical use of standard pore blocking index as an indicator of biofouling potential in seawater desalination. *Desalination*, **2015**, 365, 8-14	10.3	14
89	Experimental investigation and modeling of dissolved organic carbon removal by coagulation from seawater. *Chemosphere*, **2014**, 95, 310-6	8.4	14
88	Influence of feed/permeate velocity on scaling development in a direct contact membrane distillation. *Separation and Purification Technology*, **2014**, 125, 291-300	8.3	50
87	Polycyclic aromatic hydrocarbons in road-deposited sediments, water sediments, and soils in Sydney, Australia: Comparisons of concentration distribution, sources and potential toxicity. *Ecotoxicology and Environmental Safety*, **2014**, 104, 339-48	7	97
86	Experiments and modeling of a vacuum membrane distillation for high saline water. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 2174-2183	6.3	41
85	Effect of granular activated carbon filter on the subsequent flocculation in seawater treatment. *Desalination*, **2014**, 354, 9-16	10.3	17
84	Performance of submerged membrane Ion exchange hybrid system with Purolite A502PS in treating reverse osmosis feed. *Separation and Purification Technology*, **2014**, 122, 24-31	8.3	14
83	Application of vacuum membrane distillation for small scale drinking water production. *Desalination*, **2014**, 354, 53-61	10.3	28
82	Long-term effect on membrane fouling in a new membrane bioreactor as a pretreatment to seawater desalination. *Bioresource Technology*, **2014**, 165, 60-8	11	22
81	Organic fouling behavior in direct contact membrane distillation. *Desalination*, **2014**, 347, 230-239	10.3	99
80	Arsenic waste from water treatment systems: characteristics, treatments and its disposal. *Water Science and Technology: Water Supply*, **2014**, 14, 939-950	1.4	7
79	Effluent organic matter removal from reverse osmosis feed by granular activated carbon and purolite A502PS fluidized beds. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 4499-4508	6.3	13

78	Removal and Recovery of Phosphate From Water Using Sorption. *Critical Reviews in Environmental Science and Technology*, **2014**, 44, 847-907	11.1	321
77	Enhanced removal of nitrate from water using surface modification of adsorbents--a review. *Journal of Environmental Management*, **2013**, 131, 363-74	7.9	164
76	Defluoridation of drinking water using adsorption processes. *Journal of Hazardous Materials*, **2013**, 248-249, 1-19	12.8	206
75	A detailed organic matter characterization of pretreated seawater using low pressure microfiltration hybrid systems. *Journal of Membrane Science*, **2013**, 428, 290-300	9.6	35
74	Assessment of biological activity in contact flocculation filtration used as a pretreatment in seawater desalination. *Chemical Engineering Journal*, **2013**, 228, 976-983	14.7	12
73	Bacterial community structure in a biofilter used as a pretreatment for seawater desalination. *Ecological Engineering*, **2013**, 60, 370-381	3.9	17
72	Foulant analysis of a reverse osmosis membrane used pretreated seawater. *Journal of Membrane Science*, **2013**, 428, 434-444	9.6	46
71	Submerged membrane adsorption bioreactor as a pretreatment in seawater desalination for biofouling control. *Bioresource Technology*, **2013**, 141, 57-64	11	32
70	A rapid bioluminescence-based test of assimilable organic carbon for seawater. *Desalination*, **2013**, 317, 160-165	10.3	27
69	Microbial activity in biofilter used as a pretreatment for seawater desalination. *Desalination*, **2013**, 309, 254-260	10.3	52
68	Ti-salt flocculation for dissolved organic matter removal in seawater. *Desalination and Water Treatment*, **2013**, 51, 3591-3596		5
67	Road-Deposited Sediment Pollutants: A Critical Review of their Characteristics, Source Apportionment, and Management. *Critical Reviews in Environmental Science and Technology*, **2013**, 43, 1315-1348	11.1	85
66	Wastewater Management Journey From Indus Valley Civilisation to the Twenty-First Century **2013**, 3-18		1
65	Submerged membrane hybrid systems as pretreatment in seawater reverse osmosis (SWRO): Optimisation and fouling mechanism determination. *Journal of Membrane Science*, **2012**, 411-412, 173-181	9.6	25
64	Removal of metsulfuron methyl by Fenton reagent. *Journal of Industrial and Engineering Chemistry*, **2012**, 18, 137-144	6.3	12
63	A review of draw solutes in forward osmosis process and their use in modern applications. *Desalination and Water Treatment*, **2012**, 43, 167-184		205
62	Biofilter in leachate treatment processes. *Desalination and Water Treatment*, **2012**, 41, 249-257		5
61	Blended fertilizers as draw solutions for fertilizer-drawn forward osmosis desalination. *Environmental Science & Technology*, **2012**, 46, 4567-75	10.3	146

60	Influence of temperature and temperature difference in the performance of forward osmosis desalination process. *Journal of Membrane Science*, **2012**, 415-416, 734-744	9.6	103
59	Effluent organic matter removal by Purolite A500PS: Experimental performance and mathematical model. *Separation and Purification Technology*, **2012**, 98, 46-54	8.3	12
58	Biofouling potential reductions using a membrane hybrid system as a pre-treatment to seawater reverse osmosis. *Applied Biochemistry and Biotechnology*, **2012**, 167, 1716-27	3.2	23
57	Cadmium Sorption and Desorption in Soils: A Review. *Critical Reviews in Environmental Science and Technology*, **2012**, 42, 489-533	11.1	190
56	Use of duckweed (Lemna disperma) to assess the phytotoxicity of the products of Fenton oxidation of metsulfuron methyl. *Ecotoxicology and Environmental Safety*, **2012**, 83, 89-95	7	7
55	Enhancement of Membrane Processes with Attached Growth Media **2012**, 603-634		2
54	Fertiliser drawn forward osmosis desalination: the concept, performance and limitations for fertigation. *Reviews in Environmental Science and Biotechnology*, **2012**, 11, 147-168	13.9	91
53	Removal of heavy metals in stormwater by hydrous ferric oxide. *Water Management*, **2012**, 165, 171-178	1	1
52	Performance of a stainless steel membrane in membrane bioreactor process. *Desalination and Water Treatment*, **2012**, 41, 258-264		1
51	The performance of contact flocculation filtration as pretreatment of seawater reverse osmosis. *Desalination and Water Treatment*, **2012**, 43, 246-252		2
50	Fouling Control of Membranes with Pretreatment **2012**, 533-580		
49	Case study research: training interdisciplinary engineers with context-dependent knowledge. *European Journal of Engineering Education*, **2012**, 37, 97-104	1.5	3
48	Performance of granular medium filtration and membrane filtration in treating stormwater for harvesting and reuse. *Desalination and Water Treatment*, **2012**, 45, 120-127		6
47	Enrichment, inter-relationship, and fractionation of heavy metals in road-deposited sediments of Sydney, Australia. *Soil Research*, **2012**, 50, 229	1.8	12
46	Two stage filtration for stormwater treatment: a pilot scale study. *Desalination and Water Treatment*, **2012**, 45, 361-369		10
45	Submerged membrane coagulation hybrid system as pretreatment to organic matter removal from seawater. *Water Science and Technology: Water Supply*, **2011**, 11, 352-357	1.4	11
44	Pretreatment for seawater desalination by flocculation: Performance of modified poly ferric silicate (PFSi- and ferric chloride as flocculants. *Desalination*, **2011**, 283, 106-110	10.3	6
43	Feasibility study of a cyclic anoxic/aerobic two-stage MBR for treating ABS resin manufacturing wastewater. *Bioresource Technology*, **2011**, 102, 5325-30	11	10

42	Removal of water-borne microorganisms in floating media filter-microfiltration system for water treatment. *Bioresource Technology*, **2011**, 102, 5438-43	11	12
41	Removal of organic matter from effluents by Magnetic Ion Exchange (MIEX®). *Desalination*, **2011**, 276, 96-102	10.3	43
40	A novel low energy fertilizer driven forward osmosis desalination for direct fertigation: Evaluating the performance of fertilizer draw solutions. *Journal of Membrane Science*, **2011**, 375, 172-181	9.6	329
39	Organic matter removal from biologically treated sewage effluent by flocculation and oxidation coupled with flocculation. *Desalination and Water Treatment*, **2011**, 32, 133-137		4
38	Application of air flow for mitigation of particle deposition in submerged membrane microfiltration. *Desalination and Water Treatment*, **2011**, 32, 201-207		5
37	Lessons for a viable water recycling industry. *Water Management*, **2011**, 164, 213-219	1	3
36	Removal of effluent organic matter by purolite fluidised bed and submerged membrane hybrid system. *Desalination and Water Treatment*, **2011**, 32, 194-200		1
35	Seasonal influence on urban dust PAH profile and toxicity in Sydney, Australia. *Water Science and Technology*, **2011**, 63, 2238-43	2.2	13
34	Production of Titanium Dioxide Nanoparticles and Nanostructures from Dye Wastewater Sludge - Characterisation and Evaluation of Photocatalytic activity. *Journal of Advanced Oxidation Technologies*, **2010**, 13,		1
33	Comparison of fouling indices in assessing pre-treatment for seawater reverse osmosis. *Desalination and Water Treatment*, **2010**, 18, 187-191		6
32	Studying municipal solid waste generation and composition in the urban areas of Bhutan. *Waste Management and Research*, **2010**, 28, 545-51	4	26
31	Influence of aeration and permeate flux on deposition of particulates on membrane surface. *Water Science and Technology: Water Supply*, **2010**, 10, 979-986	1.4	
30	A new combined inorganic–organic flocculant (CIOF) as a performance enhancer for aerated submerged membrane bioreactor. *Separation and Purification Technology*, **2010**, 75, 204-209	8.3	21
29	Effect of different flocculants on short-term performance of submerged membrane bioreactor. *Separation and Purification Technology*, **2010**, 70, 274-279	8.3	44
28	Arsenic removal by iron oxide coated sponge: experimental performance and mathematical models. *Journal of Hazardous Materials*, **2010**, 182, 723-9	12.8	59
27	An innovative attached-growth biological system for purification of pond water. *Bioresource Technology*, **2010**, 101, 1506-10	11	10
26	Adsorption and removal of arsenic from water by iron ore mining waste. *Water Science and Technology*, **2009**, 60, 2301-8	2.2	9
25	Comparison of granular activated carbon bio-sorption and advanced oxidation processes in the treatment of leachate effluent. *Korean Journal of Chemical Engineering*, **2009**, 26, 724-730	2.8	15

24	Arsenic removal by iron oxide coated sponge: treatment and waste management. *Water Science and Technology*, **2009**, 60, 1489-95	2.2	5
23	Effect of backwash and powder activated carbon (PAC) addition on performance of side stream membrane filtration system (SSMFS) on treatment of biological treatment effluent. *Desalination and Water Treatment*, **2009**, 11, 46-51		3
22	A continuous photocatalysis system in the degradation of herbicide. *Korean Journal of Chemical Engineering*, **2008**, 25, 663-669	2.8	2
21	In-line Flocculation-Submersed MF/UF Membrane Hybrid System in Tertiary Wastewater Treatment. *Separation Science and Technology*, **2008**, 43, 1839-1851	2.5	6
20	A review on UV/TiO2 photocatalytic oxidation process (Journal Review). *Korean Journal of Chemical Engineering*, **2008**, 25, 64-72	2.8	264
19	Performance evaluation and mathematical modelling of granular activated carbon biofiltration in wastewater treatment. *Korean Journal of Chemical Engineering*, **2008**, 25, 259-267	2.8	12
18	A combined photocatalytic slurry reactor□mmersed membrane module system for advanced wastewater treatment. *Separation and Purification Technology*, **2008**, 62, 382-388	8.3	60
17	Pharmaceutical wastewater treatment by membrane bioreactor process □a case study in southern Taiwan. *Desalination*, **2008**, 234, 393-401	10.3	60
16	Comparison of the performance of submerged membrane bioreactor (SMBR) and submerged membrane adsorption bioreactor (SMABR). *Bioresource Technology*, **2008**, 99, 1012-7	11	53
15	Application of hybrid photocatalysis systems coupled with flocculation and adsorption to biologically treated sewage effluent for organic removal. *Korean Journal of Chemical Engineering*, **2007**, 24, 618-623	2.8	5
14	Analytical methods of size distribution for organic matter in water and wastewater. *Korean Journal of Chemical Engineering*, **2006**, 23, 581-591	2.8	22
13	Iron-Coated Sponge as Effective Media to Remove Arsenic from Drinking Water. *Water Quality Research Journal of Canada*, **2006**, 41, 164-170	1.7	13
12	Long-term operation of submerged membrane bioreactor for the treatment of high strength acrylonitrile-butadiene-styrene (ABS) wastewater: effect of hydraulic retention time. *Desalination*, **2006**, 191, 45-51	10.3	33
11	Magnetic ion exchange (MIEX□) resin as a pre-treatment to a submerged membrane system in the treatment of biologically treated wastewater. *Desalination*, **2006**, 192, 296-302	10.3	35
10	Quantification of air stripping and biodegradation of organic removal in acrylonitrile-butadiene-styrene (ABS) industry wastewater during submerged membrane bioreactor operation. *Desalination*, **2006**, 191, 162-168	10.3	10
9	Effect of periodic backwash in the submerged membrane adsorption hybrid system (SMAHS) for wastewater treatment. *Desalination*, **2006**, 191, 27-34	10.3	10
8	A new approach to backwash initiation in membrane systems. *Journal of Membrane Science*, **2006**, 278, 381-389	9.6	78
7	Quantification of arsenic in activated carbon using particle induced X-ray emission. *Nuclear Instruments & Methods in Physics Research B*, **2006**, 251, 191-196	1.2	

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