

Jaya Kandasamy

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7257478/jaya-kandasamy-publications-by-citations.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186 papers	5,186 citations	40 h-index	66 g-index
190 ext. papers	5,926 ext. citations	6.1 avg, IF	5.9 L-index

#	Paper	IF	Citations
186	Removal and Recovery of Phosphate From Water Using Sorption. <i>Critical Reviews in Environmental Science and Technology</i> , 2014 , 44, 847-907	11.1	321
185	Defluoridation of drinking water using adsorption processes. <i>Journal of Hazardous Materials</i> , 2013 , 248-249, 1-19	12.8	206
184	A review of draw solutes in forward osmosis process and their use in modern applications. <i>Desalination and Water Treatment</i> , 2012 , 43, 167-184		205
183	Cadmium Sorption and Desorption in Soils: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 489-533	11.1	190
182	Simultaneous adsorption of Cd, Cr, Cu, Pb, and Zn by an iron-coated Australian zeolite in batch and fixed-bed column studies. <i>Chemical Engineering Journal</i> , 2015 , 270, 393-404	14.7	184
181	Enhanced removal of nitrate from water using surface modification of adsorbents--a review. <i>Journal of Environmental Management</i> , 2013 , 131, 363-74	7.9	164
180	Blended fertilizers as draw solutions for fertilizer-drawn forward osmosis desalination. <i>Environmental Science & Technology</i> , 2012 , 46, 4567-75	10.3	146
179	Batch and column adsorption and desorption of fluoride using hydrous ferric oxide: Solution chemistry and modeling. <i>Chemical Engineering Journal</i> , 2014 , 247, 93-102	14.7	107
178	Socio-hydrologic modeling to understand and mediate the competition for water between agriculture development and environmental health: Murrumbidgee River basin, Australia. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 4239-4259	5.5	104
177	Influence of temperature and temperature difference in the performance of forward osmosis desalination process. <i>Journal of Membrane Science</i> , 2012 , 415-416, 734-744	9.6	103
176	Socio-hydrologic drivers of the pendulum swing between agricultural development and environmental health: a case study from Murrumbidgee River basin, Australia. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 1027-1041	5.5	99
175	Adsorptive removal of heavy metals from water using sodium titanate nanofibres loaded onto GAC in fixed-bed columns. <i>Journal of Hazardous Materials</i> , 2015 , 287, 306-16	12.8	98
174	Polycyclic aromatic hydrocarbons in road-deposited sediments, water sediments, and soils in Sydney, Australia: Comparisons of concentration distribution, sources and potential toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 104, 339-48	7	97
173	Fertiliser drawn forward osmosis desalination: the concept, performance and limitations for fertigation. <i>Reviews in Environmental Science and Biotechnology</i> , 2012 , 11, 147-168	13.9	91
172	Road-Deposited Sediment Pollutants: A Critical Review of their Characteristics, Source Apportionment, and Management. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 1315-1348	11.1	85
171	Phosphate removal from water using an iron oxide impregnated strong base anion exchange resin. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1301-1307	6.3	83
170	Desalination plants in Australia, review and facts. <i>Desalination</i> , 2009 , 247, 1-14	10.3	77

169	Urban stormwater quality and treatment. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1343-1359	2.8	75
168	Adsorptive removal of five heavy metals from water using blast furnace slag and fly ash. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 20430-20438	5.1	70
167	Effect of salt concentration on membrane bioreactor (MBR) performances: Detailed organic characterization. <i>Desalination</i> , 2013 , 322, 13-20	10.3	69
166	Removing nitrate from water using iron-modified Dowex 21K XLT ion exchange resin: Batch and fluidised-bed adsorption studies. <i>Separation and Purification Technology</i> , 2016 , 158, 62-70	8.3	67
165	Arsenic removal by a membrane hybrid filtration system. <i>Desalination</i> , 2009 , 236, 363-369	10.3	64
164	Enhanced removal of nitrate from water using amine-grafted agricultural wastes. <i>Science of the Total Environment</i> , 2016 , 565, 503-510	10.2	62
163	Pharmaceutical wastewater treatment by membrane bioreactor process: A case study in southern Taiwan. <i>Desalination</i> , 2008 , 234, 393-401	10.3	60
162	Influence of supporting media in suspension on membrane fouling reduction in submerged membrane bioreactor (SMBR). <i>Journal of Membrane Science</i> , 2011 , 374, 121-128	9.6	56
161	Phosphate adsorption from wastewater using zirconium (IV) hydroxide: Kinetics, thermodynamics and membrane filtration adsorption hybrid system studies. <i>Journal of Environmental Management</i> , 2016 , 167, 167-74	7.9	55
160	Effect of organic loading rate on organic matter and foulant characteristics in membrane bio-reactor. <i>Bioresource Technology</i> , 2012 , 113, 154-60	11	53
159	Selective sorption of rubidium by potassium cobalt hexacyanoferrate. <i>Separation and Purification Technology</i> , 2016 , 163, 238-246	8.3	52
158	Influence of clogging on the effective life of permeable pavements. <i>Water Management</i> , 2009 , 162, 211-220		51
157	Preparation and Characterization of Titanium Dioxide (TiO ₂) from Sludge produced by TiCl ₄ Flocculation with FeCl ₃ , Al ₂ (SO ₄) ₃ and Ca(OH) ₂ Coagulant Aids in Wastewater. <i>Separation Science and Technology</i> , 2009 , 44, 1525-1543	2.5	50
156	Identification and characterisation of biofilm formed on membrane bio-reactor. <i>Separation and Purification Technology</i> , 2009 , 67, 86-94	8.3	49
155	Performance of submerged membrane bioreactor (SMBR) with and without the addition of the different particle sizes of GAC as suspended medium. <i>Bioresource Technology</i> , 2013 , 141, 13-8	11	47
154	Granular activated carbon (GAC) adsorption-photocatalysis hybrid system in the removal of herbicide from water. <i>Separation and Purification Technology</i> , 2007 , 55, 206-211	8.3	47
153	Readily Wash-Off Road Dust and Associated Heavy Metals on Motorways. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	46
152	Analysis of first flush to improve the water quality in rainwater tanks. <i>Water Science and Technology</i> , 2010 , 61, 421-8	2.2	45

151	Nitrate removal using Purolite A520E ion exchange resin: batch and fixed-bed column adsorption modelling. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 1311-1320	3.3	43
150	Removal of organic matter from effluents by Magnetic Ion Exchange (MIEX®). <i>Desalination</i> , 2011 , 276, 96-102	10.3	43
149	Rubidium extraction from seawater brine by an integrated membrane distillation-selective sorption system. <i>Water Research</i> , 2017 , 123, 321-331	12.5	42
148	Arsenic removal by photo-catalysis hybrid system. <i>Separation and Purification Technology</i> , 2008 , 61, 44-50.	5.3	42
147	Combined effect of air and mechanical scouring of membranes for fouling reduction in submerged membrane reactor. <i>Desalination</i> , 2012 , 288, 58-65	10.3	41
146	Removing polycyclic aromatic hydrocarbons from water using granular activated carbon: kinetic and equilibrium adsorption studies. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 13511-13524	5.1	39
145	Removal and recovery of nutrients by ion exchange from high rate membrane bio-reactor (MBR) effluent. <i>Desalination</i> , 2011 , 275, 197-202	10.3	38
144	Norms and values in sociohydrological models. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 1337-1349.	5.5	37
143	Allocating Environmental Water and Impact on Basin Unemployment: Role of A Diversified Economy. <i>Ecological Economics</i> , 2017 , 136, 178-188	5.6	36
142	Pollution Retention Capability and Maintenance of Permeable Pavements	2002, 1	36
141	Rubidium extraction using an organic polymer encapsulated potassium copper hexacyanoferrate sorbent. <i>Chemical Engineering Journal</i> , 2016 , 306, 31-42	14.7	36
140	Simultaneous removal of natural organic matter and micro-organic pollutants from reverse osmosis concentrate using granular activated carbon. <i>Water Research</i> , 2019 , 155, 106-114	12.5	36
139	A detailed organic matter characterization of pretreated seawater using low pressure microfiltration hybrid systems. <i>Journal of Membrane Science</i> , 2013 , 428, 290-300	9.6	35
138	Seasonal PM10 dynamics in Kathmandu Valley. <i>Atmospheric Environment</i> , 2008 , 42, 8623-8633	5.3	35
137	Enhanced removal of nitrate in an integrated electrochemical-adsorption system. <i>Separation and Purification Technology</i> , 2017 , 189, 260-266	8.3	34
136	Removal of strontium from aqueous solutions and synthetic seawater using resorcinol formaldehyde polycondensate resin. <i>Desalination</i> , 2017 , 420, 283-291	10.3	33
135	Use of nanofiltration and reverse osmosis in reclaiming micro-filtered biologically treated sewage effluent for irrigation. <i>Desalination</i> , 2015 , 364, 119-125	10.3	29
134	Rural unemployment pushes migrants to urban areas in Jiangsu Province, China. <i>Palgrave Communications</i> , 2019 , 5,	5.3	29

133	Effects of Humic Acid and Suspended Solids on the Removal of Heavy Metals from Water by Adsorption onto Granular Activated Carbon. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 10475-89	4.6	28
132	Effectiveness of purolite A500PS and A520E ion exchange resins on the removal of nitrate and phosphate from synthetic water. <i>Desalination and Water Treatment</i> , 2012 , 47, 50-58		27
131	Role of Sectoral Transformation in the Evolution of Water Management Norms in Agricultural Catchments: A Sociohydrologic Modeling Analysis. <i>Water Resources Research</i> , 2017 , 53, 8344-8365	5.4	26
130	Submerged membrane (GAC) adsorption hybrid system in reverse osmosis concentrate treatment. <i>Separation and Purification Technology</i> , 2015 , 146, 8-14	8.3	26
129	Influence of hydraulic retention time on the nature of foulant organics in a high rate membrane bioreactor. <i>Desalination</i> , 2012 , 287, 116-122	10.3	26
128	Sustainable Operation of Composting in Solid Waste Management. <i>Procedia Environmental Sciences</i> , 2016 , 35, 408-415		26
127	Experimental evaluation of microfiltration/granular activated carbon (MF/GAC)/nano filter hybrid system in high quality water reuse. <i>Journal of Membrane Science</i> , 2015 , 476, 1-9	9.6	25
126	Stormwater treatment using permeable pavements. <i>Water Management</i> , 2012 , 165, 161-170	1	24
125	Novel pre-treatment method for seawater reverse osmosis: Fibre media filtration. <i>Desalination</i> , 2010 , 250, 557-561	10.3	23
124	Photocatalytic degradation of organic pollutants from wastewater using aluminium doped titanium dioxide. <i>Journal of Water Process Engineering</i> , 2019 , 27, 177-184	6.7	23
123	Biofilter as pretreatment to membrane based desalination: Evaluation in terms of fouling index. <i>Desalination</i> , 2009 , 247, 77-84	10.3	22
122	The role of a membrane performance enhancer in a membrane bioreactor: a comparison with other submerged membrane hybrid systems. <i>Desalination</i> , 2008 , 231, 305-313	10.3	22
121	Assessment of pretreatment to microfiltration for desalination in terms of fouling index and molecular weight distribution. <i>Desalination</i> , 2010 , 250, 644-647	10.3	21
120	Friction Factors for Spatially Varied Flow with Increasing Discharge. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 792-799	1.8	21
119	Prediction of hydrological time-series using extreme learning machine. <i>Journal of Hydroinformatics</i> , 2016 , 18, 345-353	2.6	21
118	Integration of SWAT and QUAL2K for water quality modeling in a data scarce basin of Cau River basin in Vietnam. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 210-223	2.8	20
117	Removing rubidium using potassium cobalt hexacyanoferrate in the membrane adsorption hybrid system. <i>Separation and Purification Technology</i> , 2018 , 191, 286-294	8.3	20
116	TiO ₂ nanoparticles and nanofibres from TiCl ₄ flocculated sludge: Characterisation and photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1033-1038	6.3	20

115	Characterisation of Road Dust Organic Matter as a Function of Particle Size: A PARAFAC Approach. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	19
114	Removal of leather tanning agent sytan from aqueous solution using Fenton oxidation followed by GAC adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 483-488	6.3	18
113	Submerged membrane adsorption hybrid system using four adsorbents to remove nitrate from water. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 20328-20335	5.1	18
112	Column studies on the removal of dissolved organic carbon, turbidity and heavy metals from stormwater using granular activated carbon. <i>Desalination and Water Treatment</i> , 2016 , 57, 5045-5055		18
111	Effect of granular activated carbon filter on the subsequent flocculation in seawater treatment. <i>Desalination</i> , 2014 , 354, 9-16	10.3	17
110	Preparation of titanium dioxide nanoparticles from electrocoagulated sludge using sacrificial titanium electrodes. <i>Environmental Science & Technology</i> , 2010 , 44, 5553-7	10.3	17
109	Effect of imposed flux on fouling behavior in high rate membrane bioreactor. <i>Bioresource Technology</i> , 2012 , 122, 42-9	11	16
108	Gravity driven membrane filtration system to improve the water quality in rainwater tanks. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 479-485	1.4	16
107	Water quality characterisation of rainwater in tanks at different times and locations. <i>Water Science and Technology</i> , 2010 , 61, 429-39	2.2	15
106	Preparation of titanium oxide, iron oxide, and aluminium oxide from sludge generated from Ti-salt, Fe-salt and Al-salt flocculation of wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 719-723	6.3	15
105	Comparison of granular activated carbon bio-sorption and advanced oxidation processes in the treatment of leachate effluent. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 724-730	2.8	15
104	Hybrid filtration method for pre-treatment of seawater reverse osmosis (SWRO). <i>Desalination</i> , 2009 , 247, 15-24	10.3	15
103	Boundary Shear Stress in Spatially Varied Flow with Increasing Discharge. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 705-714	1.8	15
102	Performance of submerged membrane Ion exchange hybrid system with Purolite A502PS in treating reverse osmosis feed. <i>Separation and Purification Technology</i> , 2014 , 122, 24-31	8.3	14
101	Robustness of Extreme Learning Machine in the prediction of hydrological flow series. <i>Computers and Geosciences</i> , 2018 , 120, 105-114	4.5	13
100	Effluent organic matter removal from reverse osmosis feed by granular activated carbon and purolite A502PS fluidized beds. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4499-4508	6.3	13
99	Stormwater sand filters in water-sensitive urban design. <i>Water Management</i> , 2008 , 161, 55-64	1	13
98	Interrelationship among the pollutants in stormwater in an urban catchment and first flush identification using UV spectroscopy. <i>Chemosphere</i> , 2019 , 233, 245-251	8.4	12

97	Removal of dissolved organic matter fractions from reverse osmosis concentrate: Comparing granular activated carbon and ion exchange resin adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103126	6.8	12
96	Removal of metsulfuron methyl by Fenton reagent. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 137-144	6.3	12
95	Effluent organic matter removal by Purolite® A500PS: Experimental performance and mathematical model. <i>Separation and Purification Technology</i> , 2012 , 98, 46-54	8.3	12
94	A gradualist approach to address Australia's urban water challenge. <i>Desalination</i> , 2009 , 249, 1012-1016	10.3	12
93	Performance evaluation and mathematical modelling of granular activated carbon biofiltration in wastewater treatment. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 259-267	2.8	12
92	Sustainable Processes for Treatment of Waste Water Reverse Osmosis Concentrate to Achieve Zero Waste Discharge: A Detailed Study in Water Reclamation Plant. <i>Procedia Environmental Sciences</i> , 2016 , 35, 930-937		12
91	Developing a strategic flood risk management framework for Bangkok, Thailand. <i>Natural Hazards</i> , 2016 , 84, 933-957	3	11
90	Removal of organic matter from wastewater reverse osmosis concentrate using granular activated carbon and anion exchange resin adsorbent columns in sequence. <i>Chemosphere</i> , 2020 , 261, 127549	8.4	11
89	Application of Ultraviolet (UV) Spectrophotometry in the Assessment of Membrane Bioreactor Performance for Monitoring Water and Wastewater Treatment. <i>Applied Spectroscopy</i> , 2011 , 65, 227-232 ^{3.1}		10
88	Membranes coupled with physico chemical treatment in water reuse. <i>Water Science and Technology</i> , 2010 , 61, 513-9	2.2	10
87	Submerged Membrane System with Biofilter as a Treatment to Rainwater. <i>Water, Air and Soil Pollution</i> , 2009 , 9, 431-438		10
86	Biofiltration as pre-treatment to water harvesting and recycling. <i>Water Science and Technology</i> , 2011 , 63, 2097-105	2.2	10
85	Two stage filtration for stormwater treatment: a pilot scale study. <i>Desalination and Water Treatment</i> , 2012 , 45, 361-369		10
84	Effect of flocculation as a pretreatment to photocatalysis in the removal of organic matter from wastewater. <i>Separation and Purification Technology</i> , 2007 , 56, 388-391	8.3	10
83	Struvite production using membrane-bioreactor wastewater effluent and seawater. <i>Desalination</i> , 2018 , 444, 1-5	10.3	9
82	Household rainwater harvesting system [pilot scale gravity driven membrane-based filtration system. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 790-797	1.4	9
81	Measuring treatment effectiveness of urban wetland using hybrid water quality [Artificial neural network (ANN) model. <i>Desalination and Water Treatment</i> , 2011 , 32, 284-290		9
80	Enhanced nanofiltration rejection of inorganic and organic compounds from a wastewater-reclamation plant [micro-filtered water using adsorption pre-treatment. <i>Separation and Purification Technology</i> , 2021 , 260, 118207	8.3	9

79	Coupling of physico-chemical treatment and steel membrane filtration to enhanced organic removal in wastewater treatment. <i>Desalination and Water Treatment</i> , 2013 , 51, 2695-2701		8
78	Velocity Distributions in Spatially Varied Flow with Increasing Discharge. <i>Journal of Hydraulic Engineering</i> , 2007 , 133, 721-735	1.8	8
77	A comparative study on nitric oxide and hypochlorite as a membrane cleaning agent to minimise biofilm growth in a membrane bioreactor (MBR) process. <i>Biochemical Engineering Journal</i> , 2019 , 148, 9-15	4.2	7
76	Mathematical Modelling of Nitrate Removal from Water Using a Submerged Membrane Adsorption Hybrid System with Four Adsorbents. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 194	2.6	7
75	Use of duckweed (<i>Lemna disperma</i>) to assess the phytotoxicity of the products of Fenton oxidation of metsulfuron methyl. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 83, 89-95	7	7
74	Removal of metsulfuron methyl by granular activated carbon adsorption. <i>Desalination and Water Treatment</i> , 2010 , 21, 247-254		7
73	Valuing stormwater, rainwater and wastewater in the soft path for water management: Australian case studies. <i>Water Science and Technology</i> , 2010 , 62, 2854-61	2.2	7
72	Socio-hydrologic drivers of the Pendulum Swing between agriculture development and environmental health: a case study from Murrumbidgee River Basin, Australia		7
71	Phosphate Adsorption from Membrane Bioreactor Effluent Using Dowex 21K XLT and Recovery as Struvite and Hydroxyapatite. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	7
70	Rubidium recovery using potassium cobalt hexacyanoferrate sorbent. <i>Desalination and Water Treatment</i> , 2016 , 57, 26577-26585		6
69	Seawater biofiltration pre-treatment system: comparison of filter media performance. <i>Desalination and Water Treatment</i> , 2014 , 52, 6325-6332		6
68	Comparison of fouling indices in assessing pre-treatment for seawater reverse osmosis. <i>Desalination and Water Treatment</i> , 2010 , 18, 187-191		6
67	Treatment of Stormwater using Fibre Filter Media. <i>Water, Air and Soil Pollution</i> , 2009 , 9, 439-447		6
66	Deep bed filter as pre-treatment to stormwater. <i>Desalination and Water Treatment</i> , 2009 , 12, 313-323		6
65	Performance of granular medium filtration and membrane filtration in treating stormwater for harvesting and reuse. <i>Desalination and Water Treatment</i> , 2012 , 45, 120-127		6
64	Evaluating performance and effectiveness of water sensitive urban design. <i>Desalination and Water Treatment</i> , 2009 , 11, 144-150		6
63	Recovery of rare earth elements (Lu, Y) by adsorption using functionalized SBA-15 and MIL-101 (Cr). <i>Chemosphere</i> , 2021 , 281, 130869	8.4	6
62	Socio-hydrologic modeling to understand and mediate the competition for water between agriculture development and environmental health: Murrumbidgee River basin, Australia. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 4239-4259	5.5	6

61	Modelling of phosphorus removal by ion-exchange resin (Purolite FerriX A33E) in fixed-bed column experiments. <i>Desalination and Water Treatment</i> , 2014 , 52, 784-790		5
60	Biofilter in leachate treatment processes. <i>Desalination and Water Treatment</i> , 2012 , 41, 249-257		5
59	Synthesis, characterisation and separation of photoreactive Hydrogen-titanate nanofibrous channel. <i>Separation and Purification Technology</i> , 2011 , 77, 202-207	8.3	5
58	Application of air flow for mitigation of particle deposition in submerged membrane microfiltration. <i>Desalination and Water Treatment</i> , 2011 , 32, 201-207		5
57	Turbulence measurements in spatially-varied flow with increasing discharge. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012 , 50, 418-426	1.9	5
56	Assessment of fouling behaviour in submerged microfiltration system coupled with flocculation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 254-260	6.3	4
55	Modelling of particle deposition in a submerged membrane microfiltration system. <i>Desalination</i> , 2014 , 350, 14-20	10.3	4
54	Influence of buoyant media on particle layer dynamics in microfiltration membranes. <i>Water Science and Technology</i> , 2010 , 61, 1733-8	2.2	4
53	Chemical-assisted physico-biological water mining system. <i>Water Management</i> , 2010 , 163, 469-474	1	4
52	Low-Cost Filtration System to Treat First-Flush Stormwater. <i>Water, Air and Soil Pollution</i> , 2009 , 9, 347-355		4
51	Submerged microfiltration coupled with physico-chemical processes as pretreatment to sea water desalination. <i>Desalination and Water Treatment</i> , 2009 , 11, 52-57		4
50	Sustainability of agricultural basin development under uncertain future climate and economic conditions: A socio-hydrological analysis. <i>Ecological Economics</i> , 2020 , 174, 106665	5.6	4
49	Quantitative Assessment of the Environmental Impacts of Dredging and Dumping Activities at Sea. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1703	2.6	3
48	Lessons for a viable water recycling industry. <i>Water Management</i> , 2011 , 164, 213-219	1	3
47	Stormwater detention basin for improving road-runoff quality. <i>Water Management</i> , 2012 , 165, 461-471	1	3
46	Case study research: training interdisciplinary engineers with context-dependent knowledge. <i>European Journal of Engineering Education</i> , 2012 , 37, 97-104	1.5	3
45	The Degradation of Humic Substance using Continuous Photocatalysis Systems. <i>Separation Science and Technology</i> , 2008 , 43, 93-112	2.5	3
44	Ultrafiltration of wastewater with pretreatment: evaluation of flux decline models. <i>Desalination</i> , 2008 , 231, 332-339	10.3	3

43	Performance of Granular Activated Carbon (GAC) Adsorption and Biofiltration in the Treatment of Biologically Treated Sewage Effluent. <i>Separation Science and Technology</i> , 2007 , 42, 3101-3116	2.5	3
42	A Socio-Hydrological Perspective on the Economics of Water Resources Development and Management		3
41	Prediction of inflows from dam catchment using genetic programming. <i>International Journal of Hydrology Science and Technology</i> , 2016 , 6, 103	1.5	3
40	Application of 1D2D coupled modeling in water quality assessment: A case study in Ca Mau Peninsula, Vietnam. <i>Physics and Chemistry of the Earth</i> , 2019 , 113, 83-99	3	3
39	Fenton Oxidation of Metsulfuron-Methyl with Application to Permeable Reactive Barriers. <i>Environmental Modeling and Assessment</i> , 2016 , 21, 149-158	2	2
38	Removal of natural organic matter at the Gunbower water treatment plant in northern Victoria, Australia. <i>Desalination and Water Treatment</i> , 2016 , 57, 9061-9069		2
37	Decentralised water reuse in Sydney, Australia: drivers for implementation and energy consumption. <i>Journal of Environmental Engineering and Science</i> , 2018 , 13, 2-7	0.8	2
36	Benefit of adding adsorbent in submerged membrane microfiltration treatment of wastewater. <i>Desalination and Water Treatment</i> , 2015 , 1-11		2
35	Quantifying the Reduction in Water Demand due to Rainwater Tank Installations at Residential Properties in Sydney. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2017 , 5, 202-218	1.9	2
34	Characterisation of Prolonged Deposits of Organic Matter in Infiltration System Inlets and Their Binding with Heavy Metals: a PARAFAC Approach. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	2
33	Trace elements in road-deposited and waterbed sediments in Kogarah Bay, Sydney: enrichment, sources and fractionation. <i>Soil Research</i> , 2015 , 53, 401	1.8	2
32	The Application of Photocatalytic Oxidation in Removing Pentachlorophenol from Contaminated Water. <i>Journal of Advanced Oxidation Technologies</i> , 2010 , 13,		2
31	Physical, Chemical, and Biological Characterization of Membrane Fouling 2012 , 457-503		2
30	Benefits of local government and university research alliances. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2009 , 162, 111-116	0.5	2
29	Temporal variation of foulant characteristics in membrane bioreactor. <i>Desalination and Water Treatment</i> , 2009 , 6, 69-73		2
28	A continuous photocatalysis system in the degradation of herbicide. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 663-669	2.8	2
27	Membrane fouling propensity after adsorption as pretreatment in rainwater: a detailed organic characterisation. <i>Water Science and Technology</i> , 2008 , 58, 1535-9	2.2	2
26	Strategic asset management planning of stormwater drainage systems. <i>Water Practice and Technology</i> , 2008 , 3,	0.9	2

25	Ozonation/adsorption hybrid treatment system for improved removal of natural organic matter and organic micropollutants from water - A mini review and future perspectives.. <i>Chemosphere</i> , 2022 , 133961	8.4	2
24	PVDF-TiO ₂ coated microfiltration membranes: preparation and characterization. <i>Membrane Water Treatment</i> , 2010 , 1, 193-206		2
23	Review of Stormwater Quality, Quantity and Treatment Methods Part 2: Stormwater: Quality Modelling. <i>Environmental Engineering Research</i> , 2009 , 14, 143-149	3.6	2
22	Prospects of interventions to alleviate rural-urban migration in Jiangsu Province, China based on sensitivity and scenario analysis. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2175-2184	3.5	2
21	Enhanced Removal of Nutrients, Heavy Metals, and PAH from Synthetic Stormwater by Incorporating Different Adsorbents into a Filter Media. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	2
20	A comparative study on in-line flocculation and spiral flocculation followed by media filtration as a pre-treatment of seawater. <i>Desalination and Water Treatment</i> , 2015 , 55, 892-900		1
19	Spatial variation of polycyclic aromatic hydrocarbons and equivalent toxicity in Sydney Harbour, Australia. <i>Journal of Water and Climate Change</i> , 2013 , 4, 364-372	2.3	1
18	Assessment of water treatment processes: detailed organic matter characterisation and membrane fouling indices at the Loddon Water Treatment Plant, Victoria, Australia. <i>Water Science and Technology: Water Supply</i> , 2011 , 11, 274-280	1.4	1
17	Production of Titanium Dioxide Nanoparticles and Nanostructures from Dye Wastewater Sludge - Characterisation and Evaluation of Photocatalytic activity. <i>Journal of Advanced Oxidation Technologies</i> , 2010 , 13,		1
16	Modelling of submerged membrane flocculation hybrid systems using statistical and artificial neural networks methods 2010 , 59, 198-208		1
15	Water quality of membrane filtered rainwater. <i>Desalination and Water Treatment</i> , 2011 , 32, 208-213		1
14	Removal of heavy metals in stormwater by hydrous ferric oxide. <i>Water Management</i> , 2012 , 165, 171-178	1	1
13	Performance of a stainless steel membrane in membrane bioreactor process. <i>Desalination and Water Treatment</i> , 2012 , 41, 258-264		1
12	Wastewater Management Journey [From Indus Valley Civilisation to the Twenty-First Century 2013 , 3-18		1
11	Membrane Processes for Desalination: Importance of Pre-Treatment to Reduce Organic Fouling 2012 , 276-297		1
10	Rainwater Harvesting in New South Wales, Australia 2016 , 35-74		1
9	Comparing nanofiltration membranes effectiveness for inorganic and organic compounds removal from a wastewater-reclamation plant's micro-filtered water. <i>Materials Today: Proceedings</i> , 2021 , 47, 1389-1393	1.4	1
8	Assessing the Impact of Inundation Preventing Construction on River Morphology of Can Giuoc River in Long An Province. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 272, 022221	0.3	

- 7 Beverley Park water reuse plant: getting the salt just right. *Desalination and Water Treatment*, **2014**, 52, 4656-4663
- 6 Membrane Processes for Drinking Water Treatment **2012**, 140-168
- 5 Delineation of Membrane Processes **2012**, 41-74
- 4 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
- 3 Experience of Flood Modeling in NSW, Australia **2002**, 1
- 2 Experience of 1D and 2D flood modelling in Australia – guide to model selection based on channel and floodplain characteristics **2008**, 273-280
- 1 Stormwater Treatment Technology for Water Reuse **2016**, 75-105