

Ana Deletic

List of Publications by Year in Descending Order

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

222
papers

9,613
citations

59
h-index

88
g-index

224
ext. papers

11,117
ext. citations

7
avg, IF

6.64
L-index

#	Paper	IF	Citations
222	Illicit discharge detection in stormwater drains using an Arduino-based low-cost sensor network.. <i>Water Science and Technology</i> , 2022 , 85, 1372-1383	2.2	
221	Calibration and sensitivity analysis of a novel water flow and pollution model for future city planning: Future Urban Stormwater Simulation (FUSS).. <i>Water Science and Technology</i> , 2022 , 85, 961-969 ^{2.2}		1
220	Advancing the Sponge City Agenda: Evaluation of 22 plant species across a broad range of life forms for stormwater management. <i>Ecological Engineering</i> , 2022 , 175, 106501	3.9	4
219	Planning support systems for strategic implementation of nature-based solutions in the global south: Current role and future potential in Indonesia. <i>Cities</i> , 2022 , 126, 103693	5.6	
218	Photo-electrochemical oxidation herbicides removal in stormwater: Degradation mechanism and pathway investigation. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129239	12.8	0
217	A Low-Cost Water Depth and Electrical Conductivity Sensor for Detecting Inputs into Urban Stormwater Networks. <i>Sensors</i> , 2021 , 21,	3.8	3
216	Machine learning for accelerating 2D flood models: Potential and challenges. <i>Hydrological Processes</i> , 2021 , 35, e14064	3.3	6
215	Pollutant removal performance of field scale dual-mode biofilters for stormwater, greywater, and groundwater treatment. <i>Ecological Engineering</i> , 2021 , 163, 106192	3.9	6
214	The impact of stormwater biofilter design and operational variables on nutrient removal - a statistical modelling approach. <i>Water Research</i> , 2021 , 188, 116486	12.5	15
213	The effect of intermittent drying and wetting stormwater cycles on the nutrient removal performances of two vegetated biofiltration designs. <i>Chemosphere</i> , 2021 , 267, 129294	8.4	9
212	Stormwater herbicides removal with a solar-driven advanced oxidation process: A feasibility investigation. <i>Water Research</i> , 2021 , 190, 116783	12.5	7
211	Machine learning approaches for predicting the performance of stormwater biofilters in heavy metal removal and risk mitigation. <i>Water Research</i> , 2021 , 200, 117273	12.5	11
210	Technological advancements towards the net-zero energy communities: A review on 23 case studies around the globe. <i>Solar Energy</i> , 2021 , 224, 1107-1126	6.8	10
209	How well do stormwater green infrastructure respond to changing climatic conditions?. <i>Journal of Hydrology</i> , 2021 , 603, 126887	6	7
208	Cooperatively modulating reactive oxygen species generation and bacteria-photocatalyst contact over graphitic carbon nitride by polyethylenimine for rapid water disinfection. <i>Applied Catalysis B: Environmental</i> , 2020 , 274, 119095	21.8	43
207	Green wall height and design optimisation for effective greywater pollution treatment and reuse. <i>Journal of Environmental Management</i> , 2020 , 261, 110173	7.9	19
206	Simultaneously Tuning Charge Separation and Oxygen Reduction Pathway on Graphitic Carbon Nitride by Polyethylenimine for Boosted Photocatalytic Hydrogen Peroxide Production. <i>ACS Catalysis</i> , 2020 , 10, 3697-3706	13.1	112

205	Modelling the clogging of a field filtration system used for stormwater harvesting. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 993-1003	4.2	3
204	Seasonal operation of dual-mode biofilters: The influence of plant species on stormwater and greywater treatment. <i>Science of the Total Environment</i> , 2020 , 715, 136680	10.2	14
203	An in situ assembled WO-TiO vertical heterojunction for enhanced Z-scheme photocatalytic activity. <i>Nanoscale</i> , 2020 , 12, 8775-8784	7.7	20
202	Copper-zeolite integrated stormwater biofilter for nutrient removal [the impact of intermittent wetting and drying conditions. <i>Blue-Green Systems</i> , 2020 , 2, 352-363	5.2	3
201	Modelling a Business case for blue-green infrastructure: lessons from the Water Sensitive Cities Toolkit. <i>Blue-Green Systems</i> , 2020 , 2, 383-403	5.2	9
200	Real time control of biofilters delivers stormwater suitable for harvesting and reuse. <i>Water Research</i> , 2020 , 169, 115257	12.5	17
199	Designing Dry Swales for Stormwater Quality Improvement Using the Aberdeen Equation. <i>Journal of Sustainable Water in the Built Environment</i> , 2020 , 6, 05019004	2.4	3
198	Validation and uncertainty analysis of a stormwater biofilter treatment model for faecal microorganisms. <i>Science of the Total Environment</i> , 2020 , 709, 136157	10.2	4
197	Rainwater harvesting for urban flood management - An integrated modelling framework. <i>Water Research</i> , 2020 , 171, 115372	12.5	55
196	Quantifying the benefits of stormwater harvesting for pollution mitigation. <i>Water Research</i> , 2020 , 171, 115395	12.5	18
195	A sunlight-responsive metal-organic framework system for sustainable water desalination. <i>Nature Sustainability</i> , 2020 , 3, 1052-1058	22.1	53
194	Effective treatment of greywater via green wall biofiltration and electrochemical disinfection. <i>Water Research</i> , 2020 , 185, 116228	12.5	19
193	The multi-faceted nature of Blue-Green Systems coming to light. <i>Blue-Green Systems</i> , 2020 , 2, 186-187	5.2	5
192	Salmonella from a Microtidal Estuary Are Capable of Invading Human Intestinal Cell Lines. <i>Microbial Ecology</i> , 2020 , 79, 259-270	4.4	2
191	A spatial planning-support system for generating decentralised urban stormwater management schemes. <i>Science of the Total Environment</i> , 2020 , 726, 138282	10.2	17
190	Assessing water retention and correlation to climate conditions of five plant species in greywater treating green walls. <i>Water Research</i> , 2019 , 167, 115092	12.5	15
189	Enhancing Escherichia coli removal in stormwater biofilters with a submerged zone: balancing the impact of vegetation, filter media and extended dry weather periods. <i>Urban Water Journal</i> , 2019 , 16, 460-468	2.3	5
188	A planning-support tool for spatial suitability assessment of green urban stormwater infrastructure. <i>Science of the Total Environment</i> , 2019 , 686, 856-868	10.2	50

187	New prebiotic chemistry inspired filter media for stormwater/greywater disinfection. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120749	12.8	8
186	Understanding spatiotemporal variability of in-stream water quality in urban environments - A case study of Melbourne, Australia. <i>Journal of Environmental Management</i> , 2019 , 246, 203-213	7.9	18
185	A Cellular Automata Fast Flood Evaluation (CA-FF) Model. <i>Water Resources Research</i> , 2019 , 55, 4936	5.4	33
184	Biotreatment technologies for stormwater harvesting: critical perspectives. <i>Current Opinion in Biotechnology</i> , 2019 , 57, 191-196	11.4	10
183	Dual-mode stormwater-greywater biofilters: The impact of alternating water sources on treatment performance. <i>Water Research</i> , 2019 , 159, 521-537	12.5	24
182	Sweating the assets - The role of instrumentation, control and automation in urban water systems. <i>Water Research</i> , 2019 , 155, 381-402	12.5	44
181	Testing of new stormwater pollution build-up algorithms informed by a genetic programming approach. <i>Journal of Environmental Management</i> , 2019 , 241, 12-21	7.9	10
180	Electrochemical oxidation disinfects urban stormwater: Major disinfection mechanisms and longevity tests. <i>Science of the Total Environment</i> , 2019 , 646, 1440-1447	10.2	14
179	Can we use a simple modelling tool to validate stormwater biofilters for herbicides treatment?. <i>Urban Water Journal</i> , 2019 , 16, 412-420	2.3	4
178	Water Pollution Control for Sustainable Development. <i>Engineering</i> , 2019 , 5, 839-840	9.7	7
177	Biofilters as effective pathogen barriers for greywater reuse. <i>Ecological Engineering</i> , 2019 , 138, 79-87	3.9	8
176	Assessing Uncertainty of a Biofilter Micropollutant Transport Model MPiRe. <i>Green Energy and Technology</i> , 2019 , 246-250	0.6	
175	Designing green walls for greywater treatment: The role of plants and operational factors on nutrient removal. <i>Ecological Engineering</i> , 2019 , 130, 184-195	3.9	26
174	Campylobacter in an Urban Estuary: Public Health Insights from Occurrence, HeLa Cytotoxicity, and Caco-2 Attachment Cum Invasion. <i>Microbes and Environments</i> , 2019 , 34, 436-445	2.6	2
173	Modelling to Support the Planning of Sustainable Urban Water Systems. <i>Green Energy and Technology</i> , 2019 , 10-19	0.6	1
172	Modelling shallow and narrow urban salt-wedge estuaries: Evaluation of model performance and sensitivity to optimise input data collection. <i>Estuarine, Coastal and Shelf Science</i> , 2019 , 217, 9-27	2.9	8
171	Evaluating the reliability of stormwater treatment systems under various future climate conditions. <i>Journal of Hydrology</i> , 2019 , 568, 57-66	6	27
170	Greenhouse gas emissions from integrated urban drainage systems: Where do we stand?. <i>Journal of Hydrology</i> , 2018 , 559, 307-314	6	19

169	Simulating flood risk under non-stationary climate and urban development conditions □ Experimental setup for multiple hazards and a variety of scenarios. <i>Environmental Modelling and Software</i> , 2018 , 102, 155-171	5.2	17
168	Modelling characteristics of the urban form to support water systems planning. <i>Environmental Modelling and Software</i> , 2018 , 104, 249-269	5.2	21
167	Optimisation of lightweight green wall media for greywater treatment and reuse. <i>Building and Environment</i> , 2018 , 131, 99-107	6.5	29
166	Stormwater constructed wetlands: A source or a sink of <i>Campylobacter</i> spp. <i>Water Research</i> , 2018 , 131, 218-227	12.5	11
165	Which species? A decision-support tool to guide plant selection in stormwater biofilters. <i>Advances in Water Resources</i> , 2018 , 113, 86-99	4.7	45
164	What drives the location choice for water sensitive infrastructure in Melbourne, Australia?. <i>Landscape and Urban Planning</i> , 2018 , 175, 92-101	7.7	33
163	Stormwater disinfection using electrochemical oxidation: A feasibility investigation. <i>Water Research</i> , 2018 , 140, 301-310	12.5	21
162	Accumulation of heavy metals in stormwater bioretention media: A field study of temporal and spatial variation. <i>Journal of Hydrology</i> , 2018 , 567, 721-731	6	32
161	Uncertainties in historical pollution data from sedimentary records from an Australian urban floodplain lake. <i>Journal of Hydrology</i> , 2018 , 560, 560-571	6	6
160	Stormwater biofilter treatment model for faecal microorganisms. <i>Science of the Total Environment</i> , 2018 , 630, 992-1002	10.2	11
159	Assessment of sampling strategies for estimation of site mean concentrations of stormwater pollutants. <i>Water Research</i> , 2018 , 129, 297-304	12.5	22
158	A rapid urban flood inundation and damage assessment model. <i>Journal of Hydrology</i> , 2018 , 564, 1085-1098		72
157	Nitrogen Removal in Greywater Living Walls: Insights into the Governing Mechanisms. <i>Water (Switzerland)</i> , 2018 , 10, 527	3	10
156	Building effective Planning Support Systems for green urban water infrastructure □ Practitioners □ perceptions. <i>Environmental Science and Policy</i> , 2018 , 89, 153-162	6.2	21
155	Serovar Typhimurium and Survival in Estuarine Bank Sediments. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	2
154	Electrochemical oxidation for stormwater disinfection: How does real stormwater chemistry impact on pathogen removal and disinfection by-products level?. <i>Chemosphere</i> , 2018 , 213, 226-234	8.4	9
153	<i>Escherichia coli</i> survival and transfer in estuarine bed sediments. <i>River Research and Applications</i> , 2018 , 34, 606-614	2.3	3
152	Predicting long term removal of heavy metals from porous pavements for stormwater treatment. <i>Water Research</i> , 2018 , 142, 236-245	12.5	23

151	Modelling urban water management transitions: A case of rainwater harvesting. <i>Environmental Modelling and Software</i> , 2018 , 105, 270-285	5.2	19
150	Integrated modelling of stormwater treatment systems uptake. <i>Water Research</i> , 2018 , 142, 301-312	12.5	17
149	Phosphorus Fate and Dynamics in Greywater Biofiltration Systems. <i>Environmental Science & Technology</i> , 2017 , 51, 2280-2287	10.3	28
148	Pesticide occurrence and spatio-temporal variability in urban run-off across Australia. <i>Water Research</i> , 2017 , 115, 245-255	12.5	59
147	Inside Story of Gas Processes within Stormwater Biofilters: Does Greenhouse Gas Production Tarnish the Benefits of Nitrogen Removal?. <i>Environmental Science & Technology</i> , 2017 , 51, 3703-3713	10.3	8
146	Green walls for greywater reuse: Understanding the role of media on pollutant removal. <i>Ecological Engineering</i> , 2017 , 102, 625-635	3.9	60
145	Retention and survival of E. coli in stormwater biofilters: Role of vegetation, rhizosphere microorganisms and antimicrobial filter media. <i>Ecological Engineering</i> , 2017 , 102, 166-177	3.9	33
144	Assessment of urban pluvial flood risk and efficiency of adaptation options through simulations: A new generation of urban planning tools. <i>Journal of Hydrology</i> , 2017 , 550, 355-367	6	84
143	Highly dispersed TiO ₂ nanocrystals and WO ₃ nanorods on reduced graphene oxide: Z-scheme photocatalysis system for accelerated photocatalytic water disinfection. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 163-173	21.8	187
142	Designing living walls for greywater treatment. <i>Water Research</i> , 2017 , 110, 218-232	12.5	77
141	Modelling transitions in urban water systems. <i>Water Research</i> , 2017 , 126, 501-514	12.5	42
140	Current Stormwater Harvesting Guidelines Are Inadequate for Mitigating Risk from Campylobacter During Nonpotable Reuse Activities. <i>Environmental Science & Technology</i> , 2017 , 51, 12498-12507	10.3	15
139	Conceptual modelling of E. coli in urban stormwater drains, creeks and rivers. <i>Journal of Hydrology</i> , 2017 , 555, 129-140	6	3
138	Towards water sensitive cities in Asia: an interdisciplinary journey. <i>Water Science and Technology</i> , 2017 , 76, 1150-1157	2.2	21
137	Framing water sensitive urban design as part of the urban form: A critical review of tools for best planning practice. <i>Environmental Modelling and Software</i> , 2017 , 96, 265-282	5.2	70
136	Tidal fluctuations influence E. coli concentrations in urban estuaries. <i>Marine Pollution Bulletin</i> , 2017 , 119, 226-230	6.7	6
135	Hydrologic impact of urbanization with extensive stormwater infiltration. <i>Journal of Hydrology</i> , 2017 , 544, 524-537	6	71
134	Source tracking using microbial community fingerprints: Method comparison with hydrodynamic modelling. <i>Water Research</i> , 2017 , 109, 253-265	12.5	42

133	Highly dispersed TiO ₂ nanocrystals and carbon dots on reduced graphene oxide: Ternary nanocomposites for accelerated photocatalytic water disinfection. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 33-41	21.8	133
132	Spatial variability of E. coli in an urban salt-wedge estuary. <i>Marine Pollution Bulletin</i> , 2017 , 114, 114-122	6.7	5
131	Stormwater Biofilters as Barriers against Campylobacter jejuni, Cryptosporidium Oocysts and Adenoviruses; Results from a Laboratory Trial. <i>Water (Switzerland)</i> , 2017 , 9, 949	3	13
130	Many roads to Rome: The emergence of pathways from patterns of change through exploratory modelling of sustainability transitions. <i>Environmental Modelling and Software</i> , 2016 , 85, 279-292	5.2	27
129	Using sediment cores to establish targets for the remediation of aquatic environments. <i>Water Science and Technology</i> , 2016 , 73, 628-35	2.2	3
128	Microlayer enrichment in natural treatment systems: linking the surface microlayer to urban water quality. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016 , 3, 269-281	5.7	6
127	Stormwater biofilters: A new validation modelling tool. <i>Ecological Engineering</i> , 2016 , 87, 53-61	3.9	8
126	Validation of stormwater biofilters using in-situ columns. <i>Science of the Total Environment</i> , 2016 , 544, 48-55	10.2	6
125	Highly recoverable TiO ₂ -GO nanocomposites for stormwater disinfection. <i>Water Research</i> , 2016 , 94, 363-370	12.5	56
124	Escherichia coli removal in copper-zeolite-integrated stormwater biofilters: Effect of vegetation, operational time, intermittent drying weather. <i>Ecological Engineering</i> , 2016 , 90, 234-243	3.9	33
123	Sediment cores as archives of historical changes in floodplain lake hydrology. <i>Science of the Total Environment</i> , 2016 , 544, 1008-19	10.2	11
122	Stormwater biofilter treatment model (MPiRe) for selected micro-pollutants. <i>Water Research</i> , 2016 , 89, 180-91	12.5	28
121	Into the deep: Evaluation of SourceTracker for assessment of faecal contamination of coastal waters. <i>Water Research</i> , 2016 , 93, 242-253	12.5	78
120	Evaluation of Techniques for Measuring Microbial Hazards in Bathing Waters: A Comparative Study. <i>PLoS ONE</i> , 2016 , 11, e0155848	3.7	21
119	Presence and survival of culturable Campylobacter spp. and Escherichia coli in a temperate urban estuary. <i>Science of the Total Environment</i> , 2016 , 569-570, 1201-1211	10.2	9
118	Biofiltration for stormwater harvesting: Comparison of Campylobacter spp. and Escherichia coli removal under normal and challenging operational conditions. <i>Journal of Hydrology</i> , 2016 , 537, 248-259	6	24
117	Constructing ultrathin film with "memory" photocatalytic activity from monolayered tungstate nanodots. <i>Chemical Communications</i> , 2016 , 52, 6985-8	5.8	14
116	Effect of environmental parameters on pathogen and faecal indicator organism concentrations within an urban estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 174, 18-26	2.9	12

115	Identifying heavy metal levels in historical flood water deposits using sediment cores. <i>Water Research</i> , 2016 , 105, 34-46	12.5	32
114	Ultrathin titanium oxide nanosheets film with memory bactericidal activity. <i>Nanoscale</i> , 2016 , 8, 18050-18056	12.5	20
113	Assessment of the Impact of Stormwater Characteristics on Clogging in Stormwater Filters. <i>Water Resources Management</i> , 2015 , 29, 1031-1048	3.7	25
112	Surrogates for herbicide removal in stormwater biofilters. <i>Water Research</i> , 2015 , 81, 64-71	12.5	18
111	Environmental monitoring of waterborne <i>Campylobacter</i> : evaluation of the Australian standard and a hybrid extraction-free MPN-PCR method. <i>Frontiers in Microbiology</i> , 2015 , 6, 74	5.7	21
110	Biological Clogging in Storm Water Filters. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 04014057	10.57	7
109	Revisiting land use classification and spatial aggregation for modelling integrated urban water systems. <i>Landscape and Urban Planning</i> , 2015 , 143, 43-55	7.7	31
108	Sustainable urban water futures in developing countries: the centralised, decentralised or hybrid dilemma. <i>Urban Water Journal</i> , 2015 , 12, 543-558	2.3	35
107	Analysis of institutional work on innovation trajectories in water infrastructure systems of Melbourne, Australia. <i>Environmental Innovation and Societal Transitions</i> , 2015 , 15, 42-64	7.6	36
106	Evaluation of sustainable electron donors for nitrate removal in different water media. <i>Water Research</i> , 2015 , 85, 487-96	12.5	30
105	Digging up the dirty past: evidence for stormwater's contribution to pollution of an urban floodplain lake. <i>Marine and Freshwater Research</i> , 2015 , 66, 596	2.2	5
104	Integrated conceptual modelling of faecal contamination in an urban estuary catchment. <i>Water Science and Technology</i> , 2015 , 72, 1472-80	2.2	8
103	Silver/Reduced Graphene Oxide Hydrogel as Novel Bactericidal Filter for Point-of-Use Water Disinfection. <i>Advanced Functional Materials</i> , 2015 , 25, 4344-4351	15.6	148
102	Interdisciplinarity: How to catalyse collaboration. <i>Nature</i> , 2015 , 525, 315-7	50.4	163
101	Methodologies for pre-validation of biofilters and wetlands for stormwater treatment. <i>PLoS ONE</i> , 2015 , 10, e0125979	3.7	8
100	Can we model the implementation of water sensitive urban design in evolving cities?. <i>Water Science and Technology</i> , 2015 , 71, 149-56	2.2	16
99	A critical review of integrated urban water modelling [Urban drainage and beyond]. <i>Environmental Modelling and Software</i> , 2014 , 54, 88-107	5.2	194
98	Impacts of measured data uncertainty on urban stormwater models. <i>Journal of Hydrology</i> , 2014 , 508, 28-42	6	31

97	Processes and Drivers of Nitrogen Removal in Stormwater Biofiltration. <i>Critical Reviews in Environmental Science and Technology</i> , 2014 , 44, 796-846	11.1	67
96	E. coli removal in laboratory scale stormwater biofilters: Influence of vegetation and submerged zone. <i>Journal of Hydrology</i> , 2014 , 519, 814-822	6	64
95	Stormwater pollutant runoff: A stochastic approach. <i>Advances in Water Resources</i> , 2014 , 74, 148-155	4.7	22
94	Removal of E. coli from urban stormwater using antimicrobial-modified filter media. <i>Journal of Hazardous Materials</i> , 2014 , 271, 73-81	12.8	36
93	Modeling integrated urban water systems in developing countries: case study of Port Vila, Vanuatu. <i>Ambio</i> , 2014 , 43, 1093-111	6.5	19
92	Assessment of Impact of Filter Design Variables on Clogging in Stormwater Filters. <i>Water Resources Management</i> , 2014 , 28, 1873-1885	3.7	31
91	Survival of Escherichia coli in stormwater biofilters. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 5391-401	5.1	19
90	Assessment of clogging phenomena in granular filter media used for stormwater treatment. <i>Journal of Hydrology</i> , 2014 , 512, 518-527	6	46
89	The validation of stormwater biofilters for micropollutant removal using in situ challenge tests. <i>Ecological Engineering</i> , 2014 , 67, 1-10	3.9	64
88	Temporary storage or permanent removal? The division of nitrogen between biotic assimilation and denitrification in stormwater biofiltration systems. <i>PLoS ONE</i> , 2014 , 9, e90890	3.7	72
87	Biofilter design for effective nitrogen removal from stormwater - influence of plant species, inflow hydrology and use of a saturated zone. <i>Water Science and Technology</i> , 2014 , 69, 1312-9	2.2	76
86	Receptivity to sustainable urban water management in the South West Pacific. <i>Journal of Water and Climate Change</i> , 2014 , 5, 244-258	2.3	5
85	Stable copper-zeolite filter media for bacteria removal in stormwater. <i>Journal of Hazardous Materials</i> , 2014 , 273, 222-30	12.8	25
84	A two-dimensional model of hydraulic performance of stormwater infiltration systems. <i>Hydrological Processes</i> , 2013 , 27, 2785-2799	3.3	13
83	Toxicity characterization of urban stormwater with bioanalytical tools. <i>Water Research</i> , 2013 , 47, 5594-6065	6.5	55
82	Predicting physical clogging of porous and permeable pavements. <i>Journal of Hydrology</i> , 2013 , 481, 48-55		90
81	Modelling Interactions Between Lot-Scale Decentralised Water Infrastructure and Urban Form - Case Study on Infiltration Systems. <i>Water Resources Management</i> , 2013 , 27, 4845-4863	3.7	28
80	A socio-technical model to explore urban water systems scenarios. <i>Water Science and Technology</i> , 2013 , 68, 714-21	2.2	8

79	Optimising nitrogen removal in existing stormwater biofilters: Benefits and tradeoffs of a retrofitted saturated zone. <i>Ecological Engineering</i> , 2013 , 51, 75-82	3.9	90
78	The enabling institutional context for integrated water management: lessons from Melbourne. <i>Water Research</i> , 2013 , 47, 7300-14	12.5	111
77	Escherichia coli concentrations and loads in an urbanised catchment: The Yarra River, Australia. <i>Journal of Hydrology</i> , 2013 , 497, 51-61	6	26
76	Diagnosing transformative change in urban water systems: Theories and frameworks. <i>Global Environmental Change</i> , 2013 , 23, 264-280	10.1	66
75	Evaluating Escherichia coli removal performance in stormwater biofilters: a preliminary modelling approach. <i>Water Science and Technology</i> , 2013 , 67, 2467-75	2.2	12
74	Uncertainty analysis in urban drainage modelling: should we break our back for normally distributed residuals?. <i>Water Science and Technology</i> , 2013 , 68, 1271-9	2.2	4
73	Urban drainage models--simplifying uncertainty analysis for practitioners. <i>Water Science and Technology</i> , 2013 , 68, 2136-43	2.2	12
72	Predicting Between-Event Variability of Escherichia coli in Urban Storm Water. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 728-737	2	9
71	A planning algorithm for quantifying decentralised water management opportunities in urban environments. <i>Water Science and Technology</i> , 2013 , 68, 1857-65	2.2	31
70	Modelling cities and water infrastructure dynamics. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2013 , 166, 301-308	0.9	16
69	A Diagnostic Procedure for Transformative Change Based on Transitions, Resilience, and Institutional Thinking. <i>Ecology and Society</i> , 2013 , 18,	4.1	18
68	Modelling of stormwater biofilters under random hydrologic variability: a case study of a car park at Monash University, Victoria (Australia). <i>Hydrological Processes</i> , 2012 , 26, 3416-3424	3.3	24
67	Intra-event variability of Escherichia coli and total suspended solids in urban stormwater runoff. <i>Water Research</i> , 2012 , 46, 6661-70	12.5	98
66	The influence of design parameters on clogging of stormwater biofilters: a large-scale column study. <i>Water Research</i> , 2012 , 46, 6743-52	12.5	149
65	Stormwater in urban areas. <i>Water Research</i> , 2012 , 46, 6588	12.5	4
64	Taking the "waste" out of "wastewater" for human water security and ecosystem sustainability. <i>Science</i> , 2012 , 337, 681-6	33.3	394
63	Biofilters for stormwater harvesting: understanding the treatment performance of key metals that pose a risk for water use. <i>Environmental Science & Technology</i> , 2012 , 46, 5100-8	10.3	73
62	Assessing uncertainties in urban drainage models. <i>Physics and Chemistry of the Earth</i> , 2012 , 42-44, 3-10	3	74

61	Comparison of different uncertainty techniques in urban stormwater quantity and quality modelling. <i>Water Research</i> , 2012 , 46, 2545-58	12.5	135
60	Removal of <i>Clostridium perfringens</i> , <i>Escherichia coli</i> and F-RNA coliphages by stormwater biofilters. <i>Ecological Engineering</i> , 2012 , 49, 137-145	3.9	67
59	Performance of environmental stormwater filters: results of a laboratory trial. <i>Water Science and Technology</i> , 2012 , 66, 719-27	2.2	15
58	Zinc-sulphate-heptahydrate coated activated carbon for microbe removal from stormwater. <i>Water Science and Technology</i> , 2012 , 66, 1582-9	2.2	6
57	Evaluating <i>Escherichia coli</i> removal performance in stormwater biofilters: a laboratory-scale study. <i>Water Science and Technology</i> , 2012 , 66, 1132-8	2.2	44
56	Calibration and Sensitivity Analysis of Urban Drainage Models: Music Rainfall/Runoff Module and a Simple Stormwater Quality Model. <i>Australian Journal of Water Resources</i> , 2011 , 15, 85-94	1.2	11
55	Development and testing of a model for Micro-Organism Prediction in Urban Stormwater (MOPUS). <i>Journal of Hydrology</i> , 2011 , 409, 236-247	6	18
54	Performance and sensitivity analysis of stormwater models using a Bayesian approach and long-term high resolution data. <i>Environmental Modelling and Software</i> , 2011 , 26, 1225-1239	5.2	77
53	Hydraulic and treatment performance of pervious pavements under variable drying and wetting regimes. <i>Water Science and Technology</i> , 2011 , 64, 1692-9	2.2	8
52	Testing and Sensitivity of a Simple Method for Predicting Urban Pollutant Loads. <i>Journal of Environmental Engineering, ASCE</i> , 2011 , 137, 782-789	2	9
51	Retention of heavy metals by stormwater filtration systems: breakthrough analysis. <i>Water Science and Technology</i> , 2011 , 64, 1913-9	2.2	26
50	The development of a novel approach for assessment of the first flush in urban stormwater discharges. <i>Water Science and Technology</i> , 2010 , 61, 2681-8	2.2	6
49	New Insights into the Quality of Urban Storm Water in South Eastern Australia. <i>Journal of Environmental Engineering, ASCE</i> , 2010 , 136, 381-390	2	63
48	Stormwater quality models: performance and sensitivity analysis. <i>Water Science and Technology</i> , 2010 , 62, 837-43	2.2	30
47	Redefining the stormwater first flush phenomenon. <i>Water Research</i> , 2010 , 44, 2487-98	12.5	82
46	Plant traits that enhance pollutant removal from stormwater in biofiltration systems. <i>International Journal of Phytoremediation</i> , 2010 , 12, 34-53	3.9	88
45	Sensitivity analysis of an urban stormwater microorganism model. <i>Water Science and Technology</i> , 2010 , 62, 1393-400	2.2	6
44	Laboratory study on stormwater biofiltration: Nutrient and sediment removal in cold temperatures. <i>Journal of Hydrology</i> , 2010 , 394, 507-514	6	79

43	Impact of input data uncertainties on urban stormwater model parameters. <i>Water Science and Technology</i> , 2009 , 60, 1545-54	2.2	49
42	Pollutant removal performance of field-scale stormwater biofiltration systems. <i>Water Science and Technology</i> , 2009 , 59, 1567-76	2.2	61
41	Analysis of parameter uncertainty of a flow and quality stormwater model. <i>Water Science and Technology</i> , 2009 , 60, 717-25	2.2	22
40	Hydrologic and pollutant removal performance of stormwater biofiltration systems at the field scale. <i>Journal of Hydrology</i> , 2009 , 365, 310-321	6	314
39	Hydraulic performance of biofilter systems for stormwater management: Influences of design and operation. <i>Journal of Hydrology</i> , 2009 , 376, 16-23	6	75
38	Model output uncertainty of a coupled pathogen indicator hydrologic catchment model due to input data uncertainty. <i>Environmental Modelling and Software</i> , 2009 , 24, 322-328	5.2	27
37	Impact of a submerged zone and a carbon source on heavy metal removal in stormwater biofilters. <i>Ecological Engineering</i> , 2009 , 35, 769-778	3.9	91
36	Influence of intermittent wetting and drying conditions on heavy metal removal by stormwater biofilters. <i>Water Research</i> , 2009 , 43, 4590-8	12.5	96
35	A possible mechanism for soil moisture bimodality in humid-land environments. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	18
34	Hydraulic and pollutant removal performance of fine media stormwater filtration systems. <i>Environmental Science & Technology</i> , 2008 , 42, 2535-41	10.3	192
33	Variation among plant species in pollutant removal from stormwater in biofiltration systems. <i>Water Research</i> , 2008 , 42, 893-902	12.5	204
32	Uncertainties in stormwater E. coli levels. <i>Water Research</i> , 2008 , 42, 1812-24	12.5	71
31	Nutrient and sediment removal by stormwater biofilters: a large-scale design optimisation study. <i>Water Research</i> , 2008 , 42, 3930-40	12.5	345
30	Reuse of urban runoff in Australia: a review of recent advances and remaining challenges. <i>Journal of Environmental Quality</i> , 2008 , 37, S116-27	3.4	77
29	A new saturated/unsaturated model for stormwater infiltration systems. <i>Hydrological Processes</i> , 2008 , 22, 4838-4849	3.3	33
28	Urban stormwater harvesting sensitivity of a storage behaviour model. <i>Environmental Modelling and Software</i> , 2008 , 23, 782-793	5.2	67
27	Preliminary studies of the development of a clogging prediction method for stormwater infiltration systems. <i>Water Practice and Technology</i> , 2007 , 2,	0.9	4
26	Modeling of sediment transport through stormwater gravel filters over their lifespan. <i>Environmental Science & Technology</i> , 2007 , 41, 8099-103	10.3	26

25	Sensitivity testing of a coupled Escherichia coli hydrologic catchment model. <i>Journal of Hydrology</i> , 2007 , 338, 161-173	6	10
24	Modelling wet weather sediment removal by stormwater constructed wetlands: Insights from a laboratory study. <i>Journal of Hydrology</i> , 2007 , 338, 285-296	6	24
23	Hydraulic performance of biofilters for stormwater management: first lessons from both laboratory and field studies. <i>Water Science and Technology</i> , 2007 , 56, 93-100	2.2	28
22	Stormwater reuse: designing biofiltration systems for reliable treatment. <i>Water Science and Technology</i> , 2007 , 55, 201-9	2.2	71
21	Statistical evaluation and optimisation of stormwater quality monitoring programmes. <i>Water Science and Technology</i> , 2007 , 56, 1-9	2.2	10
20	Is stormwater harvesting beneficial to urban waterway environmental flows?. <i>Water Science and Technology</i> , 2007 , 55, 265-72	2.2	50
19	Achieving multiple benefits from stormwater harvesting. <i>Water Science and Technology</i> , 2007 , 55, 135-44	2.2	116
18	Hydraulic and pollutant removal performance of stormwater filters under variable wetting and drying regimes. <i>Water Science and Technology</i> , 2007 , 56, 11-9	2.2	77
17	Escherichia coli in urban stormwater: explaining their variability. <i>Water Science and Technology</i> , 2007 , 56, 27-34	2.2	48
16	The influence of temperature on nutrient treatment efficiency in stormwater biofilter systems. <i>Water Science and Technology</i> , 2007 , 56, 83-91	2.2	36
15	Clogging of stormwater gravel infiltration systems and filters: insights from a laboratory study. <i>Water Research</i> , 2007 , 41, 1433-40	12.5	175
14	Treatment performance of gravel filter media: implications for design and application of stormwater infiltration systems. <i>Water Research</i> , 2007 , 41, 2513-24	12.5	103
13	Filter media for stormwater treatment and recycling: the influence of hydraulic properties of flow on pollutant removal. <i>Water Science and Technology</i> , 2006 , 54, 263-71	2.2	37
12	Performance of grass filters used for stormwater treatment – field and modelling study. <i>Journal of Hydrology</i> , 2006 , 317, 261-275	6	121
11	Development of a coupled pathogen-hydrologic catchment model. <i>Journal of Hydrology</i> , 2006 , 328, 467-480	6	35
10	Experimental Study of LNAPL Migration in the Vicinity of a Steep Groundwater Table. <i>Soils and Foundations</i> , 2006 , 46, 271-280	2.9	4
9	Integrated treatment and recycling of stormwater: a review of Australian practice. <i>Journal of Environmental Management</i> , 2006 , 79, 102-13	7.9	76
8	Sediment transport in urban runoff over grassed areas. <i>Journal of Hydrology</i> , 2005 , 301, 108-122	6	67

7	Pollution Buildup on Road Surfaces. <i>Journal of Environmental Engineering, ASCE</i> , 2005 , 131, 49-59	2	124
6	Modelling of water and sediment transport over grassed areas. <i>Journal of Hydrology</i> , 2001 , 248, 168-1826		98
5	Techniques for water and wastewater management: a review of techniques and their integration in planning. <i>Urban Water</i> , 2000 , 2, 197-221		70
4	Modelling input of fine granular sediment into drainage systems via gully-pots. <i>Water Research</i> , 2000 , 34, 3836-3844	12.5	31
3	Sediment behaviour in grass filter strips. <i>Water Science and Technology</i> , 1999 , 39, 129	2.2	15
2	The first flush load of urban surface runoff. <i>Water Research</i> , 1998 , 32, 2462-2470	12.5	254
1	Modelling of storm wash-off of suspended solids from impervious surfaces. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 1997 , 35, 99-118	1.9	65