# Ana Deletic

List of Publications by Year
in descending order

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| 223 | 12,605 | 14644 66 | 31818 101 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 224 | 224 | 224 | 9790 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Taking the â€œWasteâ€•Out of â€œWastewaterâ€•for Human Water Security and Ecosystem Sustainability. Science, 2012, 337, 681-686. | 6.0 | 513 |
| 2 | Nutrient and sediment removal by stormwater biofilters: A large-scale design optimisation study. Water Research, 2008, 42, 3930-3940. | 5.3 | 414 |
| 3 | Hydrologic and pollutant removal performance of stormwater biofiltration systems at the field scale. Journal of Hydrology, 2009, 365, 310-321. | 2.3 | 375 |
| 4 | The first flush load of urban surface runoff. Water Research, 1998, 32, 2462-2470. | 5.3 | 307 |
| 5 | Simultaneously Tuning Charge Separation and Oxygen Reduction Pathway on Graphitic Carbon Nitride by Polyethylenimine for Boosted Photocatalytic Hydrogen Peroxide Production. ACS Catalysis, 2020, 10, 3697-3706. | 5.5 | 275 |
| 6 | Variation among plant species in pollutant removal from stormwater in biofiltration systems. Water Research, 2008, 42, 893-902. | 5.3 | 240 |
| 7 | Highly dispersed TiO2 nanocrystals and WO3 nanorods on reduced graphene oxide: Z-scheme photocatalysis system for accelerated photocatalytic water disinfection. Applied Catalysis B: Environmental, 2017, 218, 163-173. | 10.8 | 233 |
| 8 | A critical review of integrated urban water modelling â€“ Urban drainage and beyond. Environmental Modelling and Software, 2014, 54, 88-107. | 1.9 | 229 |
| 9 | Hydraulic and Pollutant Removal Performance of Fine Media Stormwater Filtration Systems. Environmental Science & Technology, 2008, 42, 2535-2541. | 4.6 | 225 |
| 10 | Interdisciplinarity: How to catalyse collaboration. Nature, 2015, 525, 315-317. | 13.7 | 224 |
| 11 | Clogging of stormwater gravel infiltration systems and filters: Insights from a laboratory study. Water Research, 2007, 41, 1433-1440. | 5.3 | 202 |
| 12 | The influence of design parameters on clogging of stormwater biofilters: A large-scale column study. Water Research, 2012, 46, 6743-6752. | 5.3 | 186 |
| 13 | Silver/Reduced Graphene Oxide Hydrogel as Novel Bactericidal Filter for Pointâ€ofâ€Use Water Disinfection. Advanced Functional Materials, 2015, 25, 4344-4351. | 7.8 | 174 |
| 14 | Highly dispersed TiO2 nanocrystals and carbon dots on reduced graphene oxide: Ternary nanocomposites for accelerated photocatalytic water disinfection. Applied Catalysis B: Environmental, 2017, 202, 33-41. | 10.8 | 155 |
| 15 | Comparison of different uncertainty techniques in urban stormwater quantity and quality modelling. Water Research, 2012, 46, 2545-2558. | 5.3 | 153 |
| 16 | Pollution Buildup on Road Surfaces. Journal of Environmental Engineering, ASCE, 2005, 131, 49-59. | 0.7 | 145 |
| 17 | Performance of grass filters used for stormwater treatmentâ€”a field and modelling study. Journal of Hydrology, 2006, 317, 261-275. | 2.3 | 144 |
| 18 | Assessment of urban pluvial flood risk and efficiency of adaptation options through simulations â€“ A new generation of urban planning tools. Journal of Hydrology, 2017, 550, 355-367. | 2.3 | 138 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Intra-event variability of Escherichia coli and total suspended solids in urban stormwater runoff. Water Research, 2012, 46, 6661-6670. | 5.3 | 134 |
| 20 | The enabling institutional context for integrated water management: Lessons from Melbourne. Water Research, 2013, 47, 7300-7314. | 5.3 | 134 |
| 21 | A sunlight-responsive metalâ€“organic framework system for sustainable water desalination. Nature Sustainability, 2020, 3, 1052-1058. | 11.5 | 131 |
| 22 | Achieving multiple benefits from stormwater harvesting. Water Science and Technology, 2007, 55, 135-144. | 1.2 | 128 |
| 23 | A rapid urban flood inundation and damage assessment model. Journal of Hydrology, 2018, 564, 1085-1098. | 2.3 | 124 |
| 24 | Predicting physical clogging of porous and permeable pavements. Journal of Hydrology, 2013, 481, 48-55. | 2.3 | 118 |
| 25 | Treatment performance of gravel filter media: Implications for design and application of stormwater infiltration systems. Water Research, 2007, 41, 2513-2524. | 5.3 | 117 |
| 26 | Into the deep: Evaluation of SourceTracker for assessment of faecal contamination of coastal waters. Water Research, 2016, 93, 242-253. | 5.3 | 117 |
| 27 | Redefining the stormwater first flush phenomenon. Water Research, 2010, 44, 2487-2498. | 5.3 | 115 |
| 28 | Modelling of water and sediment transport over grassed areas. Journal of Hydrology, 2001, 248, 168-182. | 2.3 | 114 |
| 29 | Influence of intermittent wetting and drying conditions on heavy metal removal by stormwater biofilters. Water Research, 2009, 43, 4590-4598. | 5.3 | 114 |
| 30 | Plant Traits that Enhance Pollutant Removal from Stormwater in Biofiltration Systems. International Journal of Phytoremediation, 2009, 12, 34-53. | 1.7 | 113 |
| 31 | Optimising nitrogen removal in existing stormwater biofilters: Benefits and tradeoffs of a retrofitted saturated zone. Ecological Engineering, 2013, 51, 75-82. | 1.6 | 111 |
| 32 | Impact of a submerged zone and a carbon source on heavy metal removal in stormwater biofilters. Ecological Engineering, 2009, 35, 769-778. | 1.6 | 108 |
| 33 | Designing living walls for greywater treatment. Water Research, 2017, 110, 218-232. | 5.3 | 108 |
| 34 | Rainwater harvesting for urban flood management â€“ An integrated modelling framework. Water Research, 2020, 171, 115372. | 5.3 | 108 |
| 35 | Framing water sensitive urban design as part of the urban form: A critical review of tools for best planning practice. Environmental Modelling and Software, 2017, 96, 265-282. | 1.9 | 100 |
| 36 | Hydrologic impact of urbanization with extensive stormwater infiltration. Journal of Hydrology, 2017, 544, 524-537. | 2.3 | 100 |

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| 37 | Cooperatively modulating reactive oxygen species generation and bacteria-photocatalyst contact over graphitic carbon nitride by polyethylenimine for rapid water disinfection. Applied Catalysis B: Environmental, 2020, 274, 119095. | 10.8 | 97 |
| 38 | Integrated treatment and recycling of stormwater: a review of Australian practice. Journal of Environmental Management, 2006, 79, 102-113. | 3.8 | 96 |
| 39 | Reuse of Urban Runoff in Australia: A Review of Recent Advances and Remaining Challenges. Journal of Environmental Quality, 2008, 37, S116-27. | 1.0 | 96 |
| 40 | Laboratory study on stormwater biofiltration: Nutrient and sediment removal in cold temperatures. Journal of Hydrology, 2010, 394, 507-514. | 2.3 | 95 |
| 41 | Green walls for greywater reuse: Understanding the role of media on pollutant removal. Ecological Engineering, 2017, 102, 625-635. | 1.6 | 95 |
| 42 | Hydraulic performance of biofilter systems for stormwater management: Influences of design and operation. Journal of Hydrology, 2009, 376, 16-23. | 2.3 | 93 |
| 43 | Assessing uncertainties in urban drainage models. Physics and Chemistry of the Earth, 2012, 42-44, 3-10. | 1.2 | 93 |
| 44 | Hydraulic and pollutant removal performance of stormwater filters under variable wetting and drying regimes. Water Science and Technology, 2007, 56, 11-19. | 1.2 | 91 |
| 45 | Techniques for water and wastewater management: a review of techniques and their integration in planning. Urban Water, 2000, 2, 197-221. | 0.5 | 90 |
| 46 | Biofilters for Stormwater Harvesting: Understanding the Treatment Performance of Key Metals That Pose a Risk for Water Use. Environmental Science & Technology, 2012, 46, 5100-5108. | 4.6 | 90 |
| 47 | Pesticide occurrence and spatio-temporal variability in urban run-off across Australia. Water Research, 2017, 115, 245-255. | 5.3 | 90 |
| 48 | Biofilter design for effective nitrogen removal from stormwater â€“ influence of plant species, inflow hydrology and use of a saturated zone. Water Science and Technology, 2014, 69, 1312-1319. | 1.2 | 88 |
| 49 | Uncertainties in stormwater E. coli levels. Water Research, 2008, 42, 1812-1824. | 5.3 | 85 |
| 50 | Stormwater reuse: designing biofiltration systems for reliable treatment. Water Science and Technology, 2007, 55, 201-209. | 1.2 | 84 |
| 51 | Temporary Storage or Permanent Removal? The Division of Nitrogen between Biotic Assimilation and Denitrification in Stormwater Biofiltration Systems. PLoS ONE, 2014, 9, e90890. | 1.1 | 84 |
| 52 | Processes and Drivers of Nitrogen Removal in Stormwater Biofiltration. Critical Reviews in Environmental Science and Technology, 2014, 44, 796-846. | 6.6 | 84 |
| 53 | Performance and sensitivity analysis of stormwater models using a Bayesian approach and long-term high resolution data. Environmental Modelling and Software, 2011, 26, 1225-1239. | 1.9 | 83 |
| 54 | The validation of stormwater biofilters for micropollutant removal using in situ challenge tests. Ecological Engineering, 2014, 67, 1-10. | 1.6 | 83 |

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| 55 | Sediment transport in urban runoff over grassed areas. Journal of Hydrology, 2005, 301, 108-122. | 2.3 | 82 |
| 56 | A planning-support tool for spatial suitability assessment of green urban stormwater infrastructure. Science of the Total Environment, 2019, 686, 856-868. | 3.9 | 80 |
| 57 | Diagnosing transformative change in urban water systems: Theories and frameworks. Global Environmental Change, 2013, 23, 264-280. | 3.6 | 79 |
| 58 | Urban stormwater harvesting â€“ sensitivity of a storage behaviour model. Environmental Modelling and Software, 2008, 23, 782-793. | 1.9 | 78 |
| 59 | Sweating the assets â€“ The role of instrumentation, control and automation in urban water systems. Water Research, 2019, 155, 381-402. | 5.3 | 76 |
| 60 | Modelling of storm wash-off of suspended solids from impervious surfaces. Journal of Hydraulic Research/De Recherches Hydrauliques, 1997, 35, 99-118. | 0.7 | 75 |
| 61 | Removal of Clostridium perfringens, Escherichia coli and F-RNA coliphages by stormwater biofilters. Ecological Engineering, 2012, 49, 137-145. | 1.6 | 75 |
| 62 | E. coli removal in laboratory scale stormwater biofilters: Influence of vegetation and submerged zone. Journal of Hydrology, 2014, 519, 814-822. | 2.3 | 73 |
| 63 | Which species? A decision-support tool to guide plant selection in stormwater biofilters. Advances in Water Resources, 2018, 113, 86-99. | 1.7 | 71 |
| 64 | Pollutant removal performance of field-scale stormwater biofiltration systems. Water Science and Technology, 2009, 59, 1567-1576. | 1.2 | 70 |
| 65 | New Insights into the Quality of Urban Storm Water in South Eastern Australia. Journal of Environmental Engineering, ASCE, 2010, 136, 381-390. | 0.7 | 69 |
| 66 | Toxicity characterization of urban stormwater with bioanalytical tools. Water Research, 2013, 47, 5594-5606. | 5.3 | 69 |
| 67 | Highly recoverable TiO2â€“GO nanocomposites for stormwater disinfection. Water Research, 2016, 94, 363-370. | 5.3 | 66 |
| 68 | Escherichia coli in urban stormwater: explaining their variability. Water Science and Technology, 2007, 56, 27-34. | 1.2 | 65 |
| 69 | Assessment of clogging phenomena in granular filter media used for stormwater treatment. Journal of Hydrology, 2014, 512, 518-527. | 2.3 | 62 |
| 70 | A Cellular Automata Fast Flood Evaluation (CAâ€ffÃ©) Model. Water Resources Research, 2019, 55, 4936-4953. | 1.7 | 62 |
| 71 | Impact of input data uncertainties on urban stormwater model parameters. Water Science and Technology, 2009, 60, 1545-1554. | 1.2 | 59 |
| 72 | Is stormwater harvesting beneficial to urban waterway environmental flows?. Water Science and Technology, 2007, 55, 265-272. | 1.2 | 56 |

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| 73 | Source tracking using microbial community fingerprints: Method comparison with hydrodynamic modelling. Water Research, 2017, 109, 253-265. | 5.3 | 56 |
| 74 | Accumulation of heavy metals in stormwater bioretention media: A field study of temporal and spatial variation. Journal of Hydrology, 2018, 567, 721-731. | 2.3 | 53 |
| 75 | Modelling transitions in urban water systems. Water Research, 2017, 126, 501-514. | 5.3 | 52 |
| 76 | Evaluating Escherichia coli removal performance in stormwater biofilters: a laboratory-scale study. Water Science and Technology, 2012, 66, 1132-1138. | 1.2 | 48 |
| 77 | Optimisation of lightweight green wall media for greywater treatment and reuse. Building and Environment, 2018, 131, 99-107. | 3.0 | 48 |
| 78 | What drives the location choice for water sensitive infrastructure in Melbourne, Australia?. Landscape and Urban Planning, 2018, 175, 92-101. | 3.4 | 48 |
| 79 | An in situ assembled WO<sub>3</sub>â€“TiO<sub>2</sub> vertical heterojunction for enhanced Z-scheme photocatalytic activity. Nanoscale, 2020, 12, 8775-8784. | 2.8 | 47 |
| 80 | Designing green walls for greywater treatment: The role of plants and operational factors on nutrient removal. Ecological Engineering, 2019, 130, 184-195. | 1.6 | 46 |
| 81 | Modelling input of fine granular sediment into drainage systems via gully-pots. Water Research, 2000, 34, 3836-3844. | 5.3 | 45 |
| 82 | Evaluating the reliability of stormwater treatment systems under various future climate conditions. Journal of Hydrology, 2019, 568, 57-66. | 2.3 | 44 |
| 83 | Filter media for stormwater treatment and recycling: the influence of hydraulic properties of flow on pollutant removal. Water Science and Technology, 2006, 54, 263-271. | 1.2 | 43 |
| 84 | Sustainable urban water futures in developing countries: the centralised, decentralised or hybrid dilemma. Urban Water Journal, 2015, 12, 543-558. | 1.0 | 43 |
| 85 | Retention and survival of E. coli in stormwater biofilters: Role of vegetation, rhizosphere microorganisms and antimicrobial filter media. Ecological Engineering, 2017, 102, 166-177. | 1.6 | 43 |
| 86 | Analysis of institutional work on innovation trajectories in water infrastructure systems of Melbourne, Australia. Environmental Innovation and Societal Transitions, 2015, 15, 42-64. | 2.5 | 42 |
| 87 | Removal of E. coli from urban stormwater using antimicrobial-modified filter media. Journal of Hazardous Materials, 2014, 271, 73-81. | 6.5 | 41 |
| 88 | Evaluation of sustainable electron donors for nitrate removal in different water media. Water Research, 2015, 85, 487-496. | 5.3 | 41 |
| 89 | Identifying heavy metal levels in historical flood water deposits using sediment cores. Water Research, 2016, 105, 34-46. | 5.3 | 41 |
| 90 | The influence of temperature on nutrient treatment efficiency in stormwater biofilter systems. Water Science and Technology, 2007, 56, 83-91. | 1.2 | 40 |

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| 91 | A new saturated/unsaturated model for stormwater infiltration systems. Hydrological Processes, 2008, 22, 4838-4849. | 1.1 | 40 |
| 92 | Escherichia coli removal in copper-zeolite-integrated stormwater biofilters: Effect of vegetation, operational time, intermittent drying weather. Ecological Engineering, 2016, 90, 234-243. | 1.6 | 39 |
| 93 | A planning algorithm for quantifying decentralised water management opportunities in urban environments. Water Science and Technology, 2013, 68, 1857-1865. | 1.2 | 38 |
| 94 | Stormwater biofilter treatment model (MPiRe) for selected micro-pollutants. Water Research, 2016, 89, 180-191. | 5.3 | 38 |
| 95 | Development of a coupled pathogen-hydrologic catchment model. Journal of Hydrology, 2006, 328, 467-480. | 2.3 | 37 |
| 96 | Assessment of Impact of Filter Design Variables on Clogging in Stormwater Filters. Water Resources Management, 2014, 28, 1873-1885. | 1.9 | 37 |
| 97 | Dual-mode stormwater-greywater biofilters: The impact of alternating water sources on treatment performance. Water Research, 2019, 159, 521-537. | 5.3 | 37 |
| 98 | Real time control of biofilters delivers stormwater suitable for harvesting and reuse. Water Research, 2020, 169, 115257. | 5.3 | 37 |
| 99 | Stormwater quality models: performance and sensitivity analysis. Water Science and Technology, 2010, 62, 837-843. | 1.2 | 36 |
| 100 | Revisiting land use classification and spatial aggregation for modelling integrated urban water systems. Landscape and Urban Planning, 2015, 143, 43-55. | 3.4 | 36 |
| 101 | Effective treatment of greywater via green wall biofiltration and electrochemical disinfection. Water Research, 2020, 185, 116228. | 5.3 | 36 |
| 102 | Impacts of measured data uncertainty on urban stormwater models. Journal of Hydrology, 2014, 508, 28-42. | 2.3 | 35 |
| 103 | Stormwater disinfection using electrochemical oxidation: A feasibility investigation. Water Research, 2018, 140, 301-310. | 5.3 | 35 |
| 104 | Predicting long term removal of heavy metals from porous pavements for stormwater treatment. Water Research, 2018, 142, 236-245. | 5.3 | 35 |
| 105 | Green wall height and design optimisation for effective greywater pollution treatment and reuse. Journal of Environmental Management, 2020, 261, 110173. | 3.8 | 35 |
| 106 | Hydraulic performance of biofilters for stormwater management: first lessons from both laboratory and field studies. Water Science and Technology, 2007, 56, 93-100. | 1.2 | 34 |
| 107 | Biofiltration for stormwater harvesting: Comparison of Campylobacter spp. and Escherichia coli removal under normal and challenging operational conditions. Journal of Hydrology, 2016, 537, 248-259. | 2.3 | 34 |
| 108 | Phosphorus Fate and Dynamics in Greywater Biofiltration Systems. Environmental Science & Technology, 2017, 51, 2280-2287. | 4.6 | 34 |

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| 109 | Quantifying the benefits of stormwater harvesting for pollution mitigation. Water Research, 2020, 171, 115395. | 5.3 | 34 |
| 110 | Many roads to Rome: The emergence of pathways from patterns of change through exploratory modelling of sustainability transitions. Environmental Modelling and Software, 2016, 85, 279-292. | 1.9 | 33 |
| 111 | Modelling Interactions Between Lot-Scale Decentralised Water Infrastructure and Urban Form â€“ a Case Study on Infiltration Systems. Water Resources Management, 2013, 27, 4845-4863. | 1.9 | 32 |
| 112 | Technological advancements towards the net-zero energy communities: A review on 23 case studies around the globe. Solar Energy, 2021, 224, 1107-1126. | 2.9 | 32 |
| 113 | Modeling of Sediment Transport through Stormwater Gravel Filters over Their Lifespan. Environmental Science & Technology, 2007, 41, 8099-8103. | 4.6 | 31 |
| 114 | Greenhouse gas emissions from integrated urban drainage systems: Where do we stand?. Journal of Hydrology, 2018, 559, 307-314. | 2.3 | 31 |
| 115 | Retention of heavy metals by stormwater filtration systems: breakthrough analysis. Water Science and Technology, 2011, 64, 1913-1919. | 1.2 | 30 |
| 116 | Integrated modelling of stormwater treatment systems uptake. Water Research, 2018, 142, 301-312. | 5.3 | 30 |
| 117 | Understanding spatiotemporal variability of in-stream water quality in urban environments â€“ A case study of Melbourne, Australia. Journal of Environmental Management, 2019, 246, 203-213. | 3.8 | 30 |
| 118 | Escherichia coli concentrations and loads in an urbanised catchment: The Yarra River, Australia. Journal of Hydrology, 2013, 497, 51-61. | 2.3 | 29 |
| 119 | Stable copper-zeolite filter media for bacteria removal in stormwater. Journal of Hazardous Materials, 2014, 273, 222-230. | 6.5 | 29 |
| 120 | Towards water sensitive cities in Asia: an interdisciplinary journey. Water Science and Technology, 2017, 76, 1150-1157. | 1.2 | 29 |
| 121 | Building effective Planning Support Systems for green urban water infrastructureâ€"Practitionersâ€™ perceptions. Environmental Science and Policy, 2018, 89, 153-162. | 2.4 | 29 |
| 122 | Model output uncertainty of a coupled pathogen indicatorâ€“hydrologic catchment model due to input data uncertainty. Environmental Modelling and Software, 2009, 24, 322-328. | 1.9 | 28 |
| 123 | Modelling of stormwater biofilters under random hydrologic variability: a case study of a car park at Monash University, Victoria (Australia). Hydrological Processes, 2012, 26, 3416-3424. | 1.1 | 28 |
| 124 | Assessment of the Impact of Stormwater Characteristics on Clogging in Stormwater Filters. Water Resources Management, 2015, 29, 1031-1048. | 1.9 | 28 |
| 125 | Assessment of sampling strategies for estimation of site mean concentrations of stormwater pollutants. Water Research, 2018, 129, 297-304. | 5.3 | 28 |
| 126 | Modelling urban water management transitions: A case of rainwater harvesting. Environmental Modelling and Software, 2018, 105, 270-285. | 1.9 | 28 |

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| 127 | Machine learning approaches for predicting the performance of stormwater biofilters in heavy metal removal and risk mitigation. Water Research, 2021, 200, 117273. | 5.3 | 28 |
| 128 | Assessing water retention and correlation to climate conditions of five plant species in greywater treating green walls. Water Research, 2019, 167, 115092. | 5.3 | 27 |
| 129 | A spatial planning-support system for generating decentralised urban stormwater management schemes. Science of the Total Environment, 2020, 726, 138282. | 3.9 | 27 |
| 130 | Evaluation of Techniques for Measuring Microbial Hazards in Bathing Waters: A Comparative Study. PLoS ONE, 2016, 11, e0155848. | 1.1 | 27 |
| 131 | Modelling characteristics of the urban form to support water systems planning. Environmental Modelling and Software, 2018, 104, 249-269. | 1.9 | 26 |
| 132 | The impact of stormwater biofilter design and operational variables on nutrient removal - a statistical modelling approach. Water Research, 2021, 188, 116486. | 5.3 | 26 |
| 133 | Modelling wet weather sediment removal by stormwater constructed wetlands: Insights from a laboratory study. Journal of Hydrology, 2007, 338, 285-296. | 2.3 | 25 |
| 134 | A Diagnostic Procedure for Transformative Change Based on Transitions, Resilience, and Institutional Thinking. Ecology and Society, 2013, 18, . | 1.0 | 25 |
| 135 | Analysis of parameter uncertainty of a flow and quality stormwater model. Water Science and Technology, 2009, 60, 717-725. | 1.2 | 24 |
| 136 | Survival of Escherichia coli in stormwater biofilters. Environmental Science and Pollution Research, 2014, 21, 5391-5401. | 2.7 | 24 |
| 137 | Environmental monitoring of waterborne Campylobacter: evaluation of the Australian standard and a hybrid extraction-free MPN-PCR method. Frontiers in Microbiology, 2015, 6, 74. | 1.5 | 24 |
| 138 | Ultrathin titanium oxide nanosheets film with memory bactericidal activity. Nanoscale, 2016, 8, 18050-18056. | 2.8 | 24 |
| 139 | Sediment behaviour in grass filter strips. Water Science and Technology, 1999, 39, 129. | 1.2 | 23 |
| 140 | Development and testing of a model for Micro-Organism Prediction in Urban Stormwater (MOPUS). Journal of Hydrology, 2011, 409, 236-247. | 2.3 | 23 |
| 141 | Stormwater pollutant runoff: A stochastic approach. Advances in Water Resources, 2014, 74, 148-155. | 1.7 | 23 |
| 142 | Surrogates for herbicide removal in stormwater biofilters. Water Research, 2015, 81, 64-71. | 5.3 | 23 |
| 143 | Electrochemical oxidation disinfects urban stormwater: Major disinfection mechanisms and longevity tests. Science of the Total Environment, 2019, 646, 1440-1447. | 3.9 | 23 |
| 144 | Water Pollution Control for Sustainable Development. Engineering, 2019, 5, 839-840. | 3.2 | 23 |

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| 145 | How well do stormwater green infrastructure respond to changing climatic conditions?. Journal of Hydrology, 2021, 603, 126887. | 2.3 | 23 |
| 146 | A possible mechanism for soil moisture bimodality in humidâ€land environments. Geophysical Research Letters, 2009, 36, . | 1.5 | 22 |
| 147 | Modeling integrated urban water systems in developing countries: case study of Port Vila, Vanuatu. Ambio, 2014, 43, 1093-1111. | 2.8 | 22 |
| 148 | The effect of intermittent drying and wetting stormwater cycles on the nutrient removal performances of two vegetated biofiltration designs. Chemosphere, 2021, 267, 129294. | 4.2 | 22 |
| 149 | Modelling cities and water infrastructure dynamics. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2013, 166, 301-308. | 0.4 | 21 |
| 150 | Seasonal operation of dual-mode biofilters: The influence of plant species on stormwater and greywater treatment. Science of the Total Environment, 2020, 715, 136680. | 3.9 | 21 |
| 151 | Can we model the implementation of water sensitive urban design in evolving cities?. Water Science and Technology, 2015, 71, 149-156. | 1.2 | 20 |
| 152 | Stormwater constructed wetlands: A source or a sink of Campylobacter spp.. Water Research, 2018, 131, 218-227. | 5.3 | 19 |
| 153 | Sediment cores as archives of historical changes in floodplain lake hydrology. Science of the Total Environment, 2016, 544, 1008-1019. | 3.9 | 18 |
| 154 | Current Stormwater Harvesting Guidelines Are Inadequate for Mitigating Risk from Campylobacter During Nonpotable Reuse Activities. Environmental Science & Technology, 2017, 51, 12498-12507. | 4.6 | 18 |
| 155 | Simulating flood risk under non-stationary climate and urban development conditions â€“ Experimental setup for multiple hazards and a variety of scenarios. Environmental Modelling and Software, 2018, 102, 155-171. | 1.9 | 18 |
| 156 | Nitrogen Removal in Greywater Living Walls: Insights into the Governing Mechanisms. Water (Switzerland), 2018, 10, 527. | 1.2 | 17 |
| 157 | New prebiotic chemistry inspired filter media for stormwater/greywater disinfection. Journal of Hazardous Materials, 2019, 378, 120749. | 6.5 | 17 |
| 158 | A twoâ€dimensional model of hydraulic performance of stormwater infiltration systems. Hydrological Processes, 2013, 27, 2785-2799. | 1.1 | 16 |
| 159 | Stormwater herbicides removal with a solar-driven advanced oxidation process: A feasibility investigation. Water Research, 2021, 190, 116783. | 5.3 | 16 |
| 160 | Calibration and Sensitivity Analysis of Urban Drainage Models: Music Rainfall/Runoff Module and a Simple Stormwater Quality Model. Australian Journal of Water Resources, 2011, 15, 85-94. | 1.6 | 15 |
| 161 | Performance of envissâ„¢ stormwater filters: results of a laboratory trial. Water Science and Technology, 2012, 66, 719-727. | 1.2 | 15 |
| 162 | Constructing ultrathin film with â€œmemoryâ€•photocatalytic activity from monolayered tungstate nanodots. Chemical Communications, 2016, 52, 6985-6988. | 2.2 | 15 |

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| 163 | Effect of environmental parameters on pathogen and faecal indicator organism concentrations within an urban estuary. Estuarine, Coastal and Shelf Science, 2016, 174, 18-26. | 0.9 | 15 |
| 164 | Stormwater Biofilters as Barriers against Campylobacter jejuni, Cryptosporidium Oocysts and Adenoviruses; Results from a Laboratory Trial. Water (Switzerland), 2017, 9, 949. | 1.2 | 15 |
| 165 | Electrochemical oxidation for stormwater disinfection: How does real stormwater chemistry impact on pathogen removal and disinfection by-products level?. Chemosphere, 2018, 213, 226-234. | 4.2 | 15 |
| 166 | Evaluating Escherichia coli removal performance in stormwater biofilters: a preliminary modelling approach. Water Science and Technology, 2013, 67, 2467-2475. | 1.2 | 14 |
| 167 | Urban drainage models â€“ simplifying uncertainty analysis for practitioners. Water Science and Technology, 2013, 68, 2136-2143. | 1.2 | 14 |
| 168 | Statistical evaluation and optimisation of stormwater quality monitoring programmes. Water Science and Technology, 2007, 56, 1-9. | 1.2 | 13 |
| 169 | Stormwater biofilter treatment model for faecal microorganisms. Science of the Total Environment, 2018, 630, 992-1002. | 3.9 | 13 |
| 170 | Biotreatment technologies for stormwater harvesting: critical perspectives. Current Opinion in Biotechnology, 2019, 57, 191-196. | 3.3 | 13 |
| 171 | Testing of new stormwater pollution build-up algorithms informed by a genetic programming approach. Journal of Environmental Management, 2019, 241, 12-21. | 3.8 | 13 |
| 172 | A Low-Cost Water Depth and Electrical Conductivity Sensor for Detecting Inputs into Urban Stormwater Networks. Sensors, 2021, 21, 3056. | 2.1 | 13 |
| 173 | Pollutant removal performance of field scale dual-mode biofilters for stormwater, greywater, and groundwater treatment. Ecological Engineering, 2021, 163, 106192. | 1.6 | 13 |
| 174 | A socio-technical model to explore urban water systems scenarios. Water Science and Technology, 2013, 68, 714-721. | 1.2 | 12 |
| 175 | Modelling shallow and narrow urban salt-wedge estuaries: Evaluation of model performance and sensitivity to optimise input data collection. Estuarine, Coastal and Shelf Science, 2019, 217, 9-27. | 0.9 | 12 |
| 176 | Machine learning for accelerating <scp>2D</scp> flood models: Potential and challenges. Hydrological Processes, 2021, 35, e14064. | 1.1 | 12 |
| 177 | Modelling a â€˜business caseâ€™ for blue-green infrastructure: lessons from the Water Sensitive Cities Toolkit. Blue-Green Systems, 2020, 2, 383-403. | 0.6 | 12 |
| 178 | Hydraulic and treatment performance of pervious pavements under variable drying and wetting regimes. Water Science and Technology, 2011, 64, 1692-1699. | 1.2 | 11 |
| 179 | Predicting Between-Event Variability of Escherichia coli in Urban Storm Water. Journal of Environmental Engineering, ASCE, 2013, 139, 728-737. | 0.7 | 11 |
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