

## Selected Publications

### Journal Articles

Foliaco, B., Bula, A., Coombes, P., Improving the Gordon-Ng model and analyzing thermodynamic parameters to evaluate performance in a water-cooled centrifugal chiller, *Energies*, 2020, 13(9), 2135

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Coombes P. J., Two decades of monitoring, *Renew*, 145, 76-78, 2018

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Coombes P.J., Smit M. and MacDonald G., Resolving boundary conditions in economic analysis of distributed solutions for water cycle management. *Australian Journal of Water Resources*, 20(1), 11-29, 2016

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Thyer M. A., Hardy M. J., Coombes P. J., Patterson C., The impact of end-use dynamics on urban water system design criteria, *Australian Journal of Water Resources*, 12, 161-170, 2008

Coombes P. J., Barry M. E., The relative efficiency of water supply catchments and rainwater tanks in cities subject to variable climate and the potential for climate change, *Australian Journal of Water Resources*, 12, 85-100, 2008

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## **Chapter in Book or Book**

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Coombes P. J., Roso S., Chapter 1: Introduction, Book 9: Runoff in Urban Areas, *Australian Rainfall and Runoff*, Commonwealth of Australia (Geosciences Australia), Australia, 2018

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Coombes P. J., Roso S., Chapter 6: Modelling approaches, Book 9: Runoff in Urban Areas, *Australian Rainfall and Runoff*, Commonwealth of Australia (Geosciences Australia), Australia, 2018

Coombes P. J., Roso S., Editors, Book 9: Runoff in Urban Areas, *Australian Rainfall and Runoff*, Commonwealth of Australia (Geosciences Australia), Australia, 2018

Coombes P. J., Mitchell G., Urban Water Harvesting and Reuse, *Australian runoff quality : a guide to water sensitive urban design*, Engineers Australia, Canberra, Australian Capital Territory, 6.1 - 6.15, Australia, 2006

## **Conference Publications**

Coombes, P. J., and A. Allan., Is zero afflux the question or answer to better flooding outcomes? Hydrology and Water Resources Symposium, Engineers Australia, Brisbane, Australia

Coombes, P. J., Borrowing from nature to create self organising systems frameworks of big data to understand urban water systems, Social Responsibility of Algorithms 2022, Algorithmic Futures Policy Laboratory, Australian National University, Canberra, Australia.

Coombes, P. J., A systems perspective on characterising resilience in urban water markets, OzWater 2022, Australian Water Association, Brisbane, Australia.

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Coombes P.J., Barry M. E., Systems analysis reveals challenges of climate change on linked towns and irrigation districts connected to Murray Darling basin, *4th Practical Responses to Climate Change Conference: "Climate Adaptation 2018: Learn, Collaborate, Act*, Melbourne, Australia, 2018

Coombes P. J., Systems Analysis quantifies urban stormwater resources and market mechanisms for pricing stormwater and environmental management, *Stormwater 2018*, Stormwater Australia, Sydney, Australia, 2018

Coombes P. J., Colegate M., Buchanan S., Use of direct rain as an investigation process and design of basins using ARR2016 methods, *Stormwater 2018*, Stormwater Australia, Sydney, Australia, 2018

Coombes P. J., Barry, M. E., Smit, M., Systems analysis and big data reveals economic efficiency of solutions at multiple scales, *OzWater 2018*, Australian Water Association, Brisbane, Australia, 2018

Coombes P. J., Two decades of household water and energy monitoring - rainwater harvesting to solar battery storage, *10th International Conference on Water Sensitive Urban Design: Creating water sensitive communities (WSUD 2018 & Hydropolis 2018)*, Engineers Australia, Perth, Australia, 2018

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Coombes P.J., Want S., Colegate M., Development of Policies for Water Cycle Reform in Greater Melbourne and Sydney. Water and Climate – policy implementation challenges. Engineers Australia, Canberra, Australia, 2012

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potential of WSUD, *7<sup>th</sup> International Conference on WSUD*, Melbourne, 2012

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Coombes P. J., Dunstan R. H., Spinks A. T., Evans C. A., Harrison T. L., Key Messages from a Decade of Water Quality Research into Roof Collected Rainwater Supplies, *Hydropolis Conference*, Perth, Western Australia, Australia, 2006

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