

Publications for 2016

Book:

Sivakumar, B. Chaos in hydrology: Bridging determinism and stochasticity.

Book Section:

Bates, B., McLuckie, D., Westra, S., Johnson, F. M., Green, J., Mummery, J., & Abbs, D. Climate Change Considerations. In J. Ball, M. Babister, R. Nathan, B. Weeks, E. Weinmann, M. Retallick & I. Testoni (Eds.), *Australian Rainfall and Runoff: A Guide to Flood Estimation*.

Green, J., Johnson, F. M., Beesley, C., *Design Rainfalls*. In J. Ball, M. Babister, R. Nathan, B. Week, E. Weinmann, M. Retallick & I. Testoni (Eds.), *Australian Rainfall and Runoff: A Guide to Flood Estimation*.

Smith, G. P., & Cox, R. J. *Safety Design Criteria*. In J. Ball, M. Babister, W. Weeks, E. Weinmann, M. Retallick & I. Testoni (Eds.), *Australian Rainfall and Runoff: A Guide to Flood Estimation - Book 6 : Flood hydraulics*. Canberra: Commonwealth of Australia.

Tate, P. M., Scaturro, S., & Cathers, B. *Marine Outfalls*. In M. R. Dhanak & N. I. Xiros (Eds.), *Springer Handbook of Ocean Engineering* (pp. 711-740): Springer-Verlag Berlin.

Wiedmann, T. *Impacts embodied in global trade flows*. In R. Clift & A. Druckman (Eds.), *Taking Stock of Industrial Ecology* (Vol. 1, pp. 159-180): Springer International Publishing.

Zamani, K., & Ginn, T. R. *Pollution Transport in Vadose Zone Chow's Handbook of Applied Hydrology, Second Edition*: McGraw-Hill Education.

Zamani, K., Timothy, R. G., Mohamed, K. N., & Zamani, K. *Hydrogeologic Characterization Chow's Handbook of Applied Hydrology, Second Edition*: McGraw-Hill Education.

Software:

Zamani, K., & Courtney, J. E. VAVUQ (A post processor to assess quality of numerical simulations). USA. Retrieved from <http://vavuq.org/>

Journal Articles:

Agarwal, A., Maheswaran, R., Sehgal, V., Khosa, R., Sivakumar, B., & Bernhofer, C. Hydrologic regionalization using wavelet-based multiscale entropy method. *Journal of Hydrology*, 538, 22-32. doi: 10.1016/j.jhydrol.2016.03.023

Ajami, H., Khan, U., Tuteja, N. K., & Sharma, A. Development of a computationally efficient semi-distributed hydrologic modeling application for soil moisture, lateral flow and runoff simulation. *Environmental Modelling and Software*, 85, 319-331. doi: 10.1016/j.envsoft.2016.09.002

Allen, C., Metternicht, G., & Wiedmann, T. National pathways to the Sustainable Development Goals (SDGs): A comparative review of scenario modelling tools. *Environmental Science and Policy*, 66, 199-207. doi: 10.1016/j.envsci.2016.09.008

Alvarez-Gaitan, J. P., Short, M. D., Lundie, S., & Stuetz, R. Towards a comprehensive greenhouse gas emissions inventory for biosolids. *Water Research*, 96, 299-307. doi: 10.1016/j.watres.2016.03.059

Anceno, A. J., & Stuetz, R. M. Photocatalytic odor abatement by platinized TiO₂ under optically transmitted LED-UV light. *Applied Catalysis B: Environmental*, 181, 661-671. doi: 10.1016/j.apcatb.2015.08.036

Baker, A., Jex, C., Rutledge, H., Woltering, M., Blyth, A., Andersen, M. S., & Khan, S. An irrigation experiment to compare soil, water and speleothem tetraether membrane lipid distributions. *Organic Geochemistry*. doi: 10.1016/j.orggeochem.2016.01.005

Barczak, R., & Kulig, A. Odour monitoring of a municipal wastewater treatment plant in Poland by field olfactometry. *Chemical Engineering Transactions*, 54, 331-336. doi: 10.3303/CET1654056

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