Publications for 2015

Book:


Book Chapters:


Journal Articles:


Davies, P. J., Gore, D. B., & Khan, S. J. Managing produced water from coal seam gas projects: implications for an emerging industry in Australia. *Environmental Science and Pollution Research*. 22(14) 10981-11000


Drewes, J. E., & Khan, S. J. Contemporary design, operation, and monitoring of potable reuse systems. *Journal of Water Reuse and Desalination*, 5(1), 1-7


Fujii, M., Yeung, A. C. Y., & Waite, T. D. Competitive Effects of Calcium and Magnesium Ions on the Photochemical Transformation and Associated Cellular Uptake of Iron by the Freshwater


Hadjikakou, M., Miller, G., Chenoweth, J., Druckman, A., & Zoumides, C. A comprehensive framework for comparing water use intensity across different tourist types. *Journal of Sustainable Tourism, Published online: 30 Jul 2015*.


Jha, S. K., Mariethoz, G., Evans, J., McCabe, M. F., & Sharma, A. A space and time scale-dependent nonlinear geostatistical approach for downscaling daily precipitation and temperature. *Water Resources Research, 51*(8), 6244-6261.


Jones, A. M., Griffin, P. J., Collins, R. N., & Waite, T. D. Corrigendum to “Ferrous iron oxidation


Kolařík, M., Hujslová, M., & Vazquez Campos, X. Acidotolerant genus Fodinomyces
(Ascomycota: Capnodiales) is a synonym of Acidiella. *Czech Mycology*, 67(1), 37-38.


Petterson, S., Roser, D., & Deere, D. Characterizing the concentration of Cryptosporidium in Australian surface waters for setting health-based targets for drinking water treatment. *Journal of Water and Health*, 13(3), 879-879.


Rayner, D. S., Glamore, W. C., & Ruprecht, J. E. Predicting the buffering of acid plumes within estuaries. *Estuarine, Coastal and Shelf Science, 164*, 56-64.


Environmental Science and Technology, 49(14), 8487-8496.


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Allan, R. J., Douglas, K. J., & Peirson, W. L. *Development of an experimental research program into backward erosion piping*. Paper presented at the 7th International Conference on Scour and Erosion, The University of Western Australia, Perth, Australia.

Azouz, L., Zamyadi, A., Stuetz, R., & Henderson, R. Flipped classroom approach to increase student engagement with algal harmful metabolites separation from water *International Chemical Congress of Pacific Basin Societies (Pacifichem)*. Hawaii, USA.


Collins, R. N., Tsarev, S., Johansen, M., & Waite, D. Radionuclide speciation at former nuclear weapons testing sites and in situ technologies to immobilise aqueous uranium *Asia Oceania Forum for Synchrotron Radiation Research*. Melbourne, VIC, Australia.


Cox, R., & Pearce, B. *Effectiveness of Adaptive Coastal Protection in Managing Wave Overtopping and Retaining Beach Views at the Crest of Seabee Seawalls*. Paper presented at the 24th NSW Coastal Conference, Forster NSW.


Phillips, M., Turner, I., Cox, R., Splinter, K., & Harley, M. *Bringing back the sand: beach recovery following storm erosion*. Paper presented at the 24th NSW Coastal Conference, Forster NSW.

Coasts & Ports Conference, Auckland, New Zealand.

Rosso, K. M., Alexandrov, V., Newmann, A., Qafoku, O., Pearce, C. I., Collins, R. N., & Scherer, M. M. Interactions of ferrous iron with iron rich clay minerals with implications for redox-reactions with polyvalent radionuclides *15th International Conference on the chemistry and migration behaviour of actinides and fission products in the geosphere*. Santa Fe, NM, USA.

Rowley, H. V., & Lane, J. IELab Applications for Life Cycle Assessment *IELab Conference*. Sydney.


Tsarev, S., Waite, D., & Collins, R. N. Formation of surface U(V) by reduction of Ca-U-Carbonate complexes with nanoscale zero-valent iron *Asia Oceania Forum for Synchrotron Radiation Research*. Melbourne, VIC, Australia.

Tsarev, S., Waite, T. D., & Collins, R. N. Formation of surface U(V) by reduction of Ca-U-
carbonate complexes with nanoscale zero-valent iron *Goldschmidt*. Prague, Czechoslovakia.


Wiedmann, T. *City footprints as a pathway to decarbonization 5th IWA Cities of the Future Conference*. UNSW, Sydney, Australia.


Wiedmann, T., & Wolfram, P. *Carbon Footprint Scenarios for Renewable Electricity Generation in Australia 1st Industrial Ecology Virtual Laboratory Conference*. Sydney, Australia.


Yuan, F., & Cox, R. J. *Modelling beach morphodynamics for southern Gold Coast beach nourishment project at Bilinga Beach*. Paper presented at the 34th International Conference on Coastal Engineering, Seoul.


Zamyadi, A., Henderson, R., Stuetz, R., Newcombe, G., Dorner, S., & Prevost, M.
Cyanobacterial Cells-Water Treatment Challenges. Paper presented at the American Water Works Association (AWWA) Water Quality Technology Conference (WQTC), Salt Lake City, USA.


Technical Reports:


Blacka, M. J., Guerry, N., & Davey, E. K. Coastal Imaging and Shoreline Analysis Report Palm Beach and Northern Gold Coast Beaches: March to August 2014 Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.

Blacka, M. J., Mariani, A., & Carley, J. T. North Wonboyn NSW Foreshore Protection Study. Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.

Drummond, C., Modra, B., & Blacka, M. Coastal Imaging and Shoreline Analysis Report: Palm Beach and Northern Gold Coast Beaches. Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.


Flocard, F. D. 3D Physical Modelling of Coffs Harbour Northern Breakwater Upgrade. Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.

Flocard, F. D., & Guerry, N. Royal Yacht Club of Victoria Wave Screen Physical Modelling. Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.


Glamore, W., Ruprecht, J. E., & Rahman, P. F. Jersey Avenue Wetland Investigation. Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.

Guerry, N. S., Deiber, M., & Miller, B. Warringah Mall Chamber C6 Physical Model Study. Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.

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Miller, B. M., & Rayner, D. S. *Astrolabe Park Gross Pollutant Trap - Physical Model Testing*. Water Research Laboratory, School of Civil and Environmental Engineering, UNSW Australia.


Vazquez Campos, X. *Geomicrobiological aspects of the (bio) leaching of weathered low-grade uranium ore*. Water Research Centre, School of Civil and Environmental Engineering, UNSW Australia.