# FRANCIS CHIEW – LIST OF PUBLICATIONS

### PAPERS IN REFEREED JOURNALS

1. Fu G, **Chiew FHS** and Post DA (2023) Trends and variability of rainfall characteristics influencing annual streamflow: a case study of south-east Australia. *International Journal of Climatology*, 43, 1407–1430, <http://dx.doi.org/10.1002/joc.7923>.
2. Potter NJ, **Chiew FHS** and Robertson DA (2023) Stochastic generation of plausible futures using climate teleconnections for South-Eastern Australia. *Journal of Hydrometeorology*, 24, 1771–1788, <http://dx.doi.org/10.1175/JHM-D-22-0206-1>.
3. Robertson DE, **Chiew FHS** and Potter NJ (2023) Adapting rainfall bias-corrections to improve hydrological simulations generated from climate model forcings. *Journal of Hydrology*, 619, 129322, <http://dx.doi.org/10.1016/j.jhydrol.2023.129322>.
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5. Zhang Y, Li C, **Chiew FHS**, Post DA, Zhang X, Ma N, Tian J, Kong D, Leung R, Yu Q, Shi J and Liu C (2023) Southern hemisphere dominates recent decline in global water availability. *Science*, 382, 579–584, <http://dx.doi.org/10.1126/science.adh0716>.
6. Zhang Y, Zheng H, Zhang X, Leung LR, Liu C, Zheng C, Guo Y, **Chiew FHS**, Post DA, Kong D, Beck HE, Li C and Bloschl G (2023) Future global streamflow declines are likely more severe than previously estimated. *Nature Water*, 1, 261–271, <http://dx.doi.org/10.1038/s44221-023-00030-7>.
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9. Fowler K, Peel M, Saft M, Peterson TJ, Western A, including **Chiew FHS**, et al. (2022) Explaining changes in rainfall-runoff relationships during and after Australia’s Millennium Drought: a community perspective. *Hydrology and Earth System Sciences*, 26, 6073–6120, <http://dx.doi.org/10.5194/hess-26-6073-2022>. [Featured as research highlight in Nature Water].
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11. Tapsuwan S, Pena-Arancibia J, Lazarow N, Albisetti M, Zheng H, Rojas R, Torres-Alferez V, **Chiew FHS**, Hopkins R and Penton DJ (2022) A benefit cost analysis of strategic and operational management options for water management n hyper-arid southern Peru. *Agricultural Water Management*, 265, 107518, <http://dx.doi.org/10.1016/j.agwat.2022.107518>.
12. Zheng H, **Chiew FHS** and Zhang L (2022) Can model parameterisation accounting for hydrological non-stationarity increase robustness in future runoff projection? *Journal of Hydrometeorology*, 23, 1831–1844, <http://dx.doi.org/10.1175/JHM-D-21-0102.1>
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14. Gan R, Zhang L, Yang Y, Wang E, Woodgate W, Zhang Y, Haverd V, Kong D, Fischer T, **Chiew FHS** and Yu Q (2021) Estimating ecosystem maximum light use efficiency based on the water use efficiency principle. *Environmental Research Letters*, 16, 104032, <http://dx.doi.org/10.1088/1748-9326/ac263b>.
15. Prosser IP, **Chiew FHS** and Stafford Smith M (2021) Adapting water management to climate change in the Murray-Darling Basin, Australia. *Water*, 13, 2504, <http://dx.doi.org/10.3390/w13182504>. [Editor’s Choice paper].
16. Walker GR, Crosbie RS, Chiew FHS, Peeters L and Evans R (2021) Groundwater impacts and management under a drying climate in southern Australia, *Water*, 13, 3588, <http://dx.doi.org/10.3390/w13243588>.
17. Aryal SK, Zhang Y and **Chiew FHS** (2020) Enhanced low flow prediction for water and environmental management. *Journal of Hydrology*, 584, 124658, <http://dx.doi.org/10.1016/j.jhydrol.2020.124658>.
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20. Kirono DGC, Round V, Heady C, **Chiew FHS**, Osbrough S (2020) Drought projections for Australia: updated results and analysis of model simulations. *Weather and Climate Extremes*, 30, 100280, <http://dx.doi.org/10.1016/j.wace.2020.100280>.
21. Post DA, Crosbie RS, Viney NR, Peeters LJM, Zhang YQ, et al. including **Chiew FHS** (2020) Impacts of coal mining and coal seam gas extraction on groundwater and surface water. *Journal of Hydrology*, 591, 125281, <http://dx.doi.org/10.1016/j.jhydrol.2020.125281>.
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30. **Chiew FHS**, Fu G, Post DA, Zhang Y, Wang B and Viney NR (2018) Impact of coal resource development on streamflow characteristics: influence of climate variability and climate change. *Water*, 10, 1161, <http://dx.doi.org/10.3390/w10091161>.
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