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- Abecia, J.E., **King, A.J.**, Luiz, O.J., Crook, D.A., Wedd, D. & Banks, S.C. (2022). Diverse parentage relationships in paternal mouthbrooding fishes. *Biology Letters*, 18: 20210576. <https://doi.org/10.1098/rsbl.2021.0576>
- Abecia, J.E., Luiz, O.J., Crook, D.A., Banks, S.C., Wedd, D., & **King, A.J.** (2022). Sex and male breeding state predict intraspecific trait variation in mouth-brooding fishes. *Journal of Fish Biology*, 1-10. <https://doi.org/10.1111/jfb.15122>
- Bond, N.R.**, Horne, A., **McPhan, L.M.** & Coleman, R. (2022). Using State-and-Transition Simulation Models (STSMs) to Explore Dynamic Population Responses to Drought Cycles in Freshwater Ecosystems. *Frontiers in Environment Science*, 10. <http://doi.org/10.3389/fenvs.2022.815080>
- Carpenter-Bundhoo, L., Butler, G.L., **Bond, N.R.**, Thiem, J.D., Bunn, S.E., & Kennard, M.J. (2022). Fish movements in response to environmental flow releases in intermittent rivers. *Freshwater Biology*, 00, 1– 14. <https://doi.org/10.1111/fwb.14022>
- Chanut, P.C.M., Drost, A., **Siebers, A.R.**, Paillex, A. & Robinson, C.T. (2022). Flow intermittency affects structural and functional properties of macroinvertebrate communities in alpine streams. *Freshwater Biology*. <https://doi.org/10.1111/fwb.14018>
- Coleman, R.A., Chee, Y.E., **Bond, N.R.**, Weeks, A., Griffiths, J., Serena, M., Williams, G.A. & Walsh, C.J. (2022). Understanding and managing the interactive impacts of growth in urban land use and climate change on freshwater biota: A case study using the platypus (*Ornithorhynchus anatinus*). *Global Change Biology*, 28, 1287– 1300. <https://doi.org/10.1111/gcb.16015>
- Crook, D.A., Morrongiello, J.R., **King, A.J.**, Adair, B.J., Grubert, M.A., Roberts, B.H., Douglas, M.M. & Saunders, T.M. (2022). Environmental drivers of recruitment in a tropical fishery: Monsoonal effects and vulnerability to water abstraction. *Ecological Applications*. Accepted Author Manuscript e2563. <https://doi.org/10.1002/eap.2563>
- Gwilym A.V.P., Stauber, J.L., Jolley, D.F., Koppel, D.J., Van Genderen, E.J., Ryan, A.C. & **Holland, A.** (2022). Natural organic matter source, concentration, and pH influences the toxicity of zinc to a freshwater microalga, *Environmental Pollution*, <https://doi.org/10.1016/j.envpol.2022.120797>
- Hawke, T., Bino, G., **Shackleton, M.E.**, Ross, A.K. & Kingsford, R.T. (2022). Using DNA metabarcoding as a novel approach for analysis of platypus diet. *Scientific Reports*, 12, 2247. <https://doi.org/10.1038/s41598-022-06023-y>

- Judd, M., **Bond, N.** & Horne, A.C. (2022). The Challenge of Setting "Climate Ready" Ecological Targets for Environmental Flow Planning. *Frontiers in Environmental Science*. <https://doi.org/10.3389/fenvs.2022.714877>
- Legge, S., et al (large number of authors inc. **King, A.J.**, Lawler S., ...) (2022). The conservation impacts of ecological disturbance: Time-bound estimates of population loss and recovery for fauna affected by the 2019–2020 Australian megafires. *Global Ecology and Biogeography*, 00, 1– 20. <https://doi.org/10.1111/geb.13473>
- Leroux, N., Sylvain, F.E., Normandeau, E., **Holland, A.**, Val, A.L. & Derome, N. (2022). Evolution of an Amazonian fish is driven by allopatric divergence rather than ecological divergence. *Frontiers in Ecology and Evolution*, section Evolutionary and Population Genetics. <https://doi.org/10.22541/au.163778310.03307781/v2>
- Luiz, O.J., Olden, J.D., Kennard, M.J., Crook, D.A., Douglas, M.M., Saunders, T.M., Wedd, D. & **King, A.J.** (2022). Substantial intra-specific trait variation across a hydrological gradient in northern Australian fishes. *Ecosphere*, 13(7): e4169. <https://doi.org/10.1002/ecs2.4169>
- Morden, R., Horne, A., **Bond, N.R.**, Nathan, R., Olden, J.D. (2022). Small artificial impoundments have big implications for hydrology and freshwater biodiversity. *Frontiers in Ecology and the Environment*. <https://doi.org/10.1002/fee.2454>
- Price, G., Stauber, J., **Holland, A.**, Koppel, D., Van genderen, E., Ryan, A. & Jolley, D. (2022). The influence of hardness at varying pH on zinc toxicity and lability to a freshwater microalga, *Chlorella* sp. *Environmental Science: Processes & Impacts*. <https://doi.org/10.1039/D2EM00063F>
- Shakya, M., **Holland, A.**, Klein, A., Rees, G., Laird, J., McCallum, J., Ryan, C. & **Silvester, E.** (2022). Biomolecular modifications in the sacfry of *Mogurnda adspersa* in response to copper stress. *Aquatic Toxicology*. <https://doi.org/10.1016/j.aquatox.2022.106179>
- Shakya, M., **Silvester, E.**, Rees, G., Rajapaksha, K.H., Faou, P., **Holland, A.** (2022). Changes to the amino acid profile and proteome of the tropical freshwater microalga *Chlorella* sp. in response to copper stress. *Ecotoxicology and Environmental Safety*.
- Siebers, A.**, Paillex, A. & Robinson, C.T. (2022). Seasonal and functional variation in the trophic base of intermittent Alpine streams. *Limnology and Oceanography*. <https://doi.org/10.1002/lno.12059>
- Scoggins, M., Booth, D.B., Fletcher, T., Fork, M., Gonzalez, A., Hale, R.L., Hawley, R.J., Roy, A.H., Bilger, E.E., **Bond, N.**, Burns, M.J., Hopkins, K.G., Macneale, K.H., Martí, E., McKay, S.K., Neale, M.W., Paul, M.J., Rios-Touma, B., Russell, K.L., Smith, R.F., Wagner, S. & Wenger, S. (2022). Community-powered urban stream restoration: A vision for sustainable and resilient urban ecosystems. *Freshwater Science*, 41:3, 404-419. <https://doi.org/10.1086/721150>
- Stoffels, R.J., Humphries, P., **Bond, N.R.** & Price, A.E. (2022). Fragmentation of lateral connectivity and fish population dynamics in large rivers. *Fish and Fisheries*. <http://doi.org/10.1111/faf.12641>
- Suter, P.J.**, **Mynott, J.H.** & Crump, M. (2022). New species of *Paratya* (Decapoda: Atyidae) from Australian inland waters – linking morphological characters with molecular lineages. *Memoirs of Museum Victoria*, 81: 55–122.
- Sylvain, F.E., Leroux, N., Normandeau, E., **Holland, A.**, Bouslama, S., Mercier, P.L., Val, A.L. & Derome, N. (2022). Genomic and Environmental Factors Shape the Active Gill Bacterial Community of an Amazonian Teleost Holobiont. *Microbiology Spectrum*. <http://doi.org/10.1128/spectrum.02064-22>
- Sylvain, F.E., Normandeau, E., **Holland, A.**, Val, A.L. & Derome, N. (2022). Genomics of Serrasalmidae teleosts through the lens of microbiome fingerprinting, *Molecular Ecology*. <https://doi.org/10.1111/mec.16574>
- Thompson, R.M., Barbour, E.J., Bradshaw, C.J.A., Briggs, S., Byron, N., Grace, M., Hart, B.T., **King, A.J.**, Likens, G.E., Pollino, C.A., Sheldon, F., Stewardson, M.J., Thoms, M., Watts, R.J. & Webb, J.A. (2022). Principles for scientists working at the river science-policy interface. *River Research and Applications*, 1– 13. <https://doi.org/10.1002/rra.3951>
- Tyler, K.J., Wedd, D., Crook, D.A., Kennard, M.J., **King, A.J.** (2022). Identifying drivers of tropical riverine larval fish abundance and diversity. *Canadian Journal of Fisheries and Aquatic Sciences*. Just-IN <https://doi.org/10.1139/cjfas-2021-0233>

Yu, S., Rose, P.M., **Bond, N.R.**, Bunn, S.E. & Kennard, M.J. (2022). Identifying priority aquatic refuges to sustain freshwater biodiversity in intermittent streams in eastern Australia. *Aquatic Conservation, Marine and Freshwater Ecosystems*. <https://doi.org/10.1002/aqc.3871>

## Book Chapters – 2

Flint, N., Ebner, B.C., Roberts, D.T., Morgan, D.L., Hardie, S.A., Marshall, J., **King, A.J.** (2022). Chapter 32: Freshwater fishes. In: Ethical wildlife research in Australia (Eds B. Smith, H. Waudby, C. Alberthsen). CSIRO Publishing: Melbourne, Australia.

Flint, N., **King, A.J.**, Wooden, I., Serena, M., Healy, S., Bower, D., Morgan, D.L., Hardie, S., Raadik, T., Roberts, D.T. & Ocock, J. (2022). Chapter 12: Capturing, observing and handling freshwater animals. In: Ethical wildlife research in Australia (Eds B. Smith, H. Waudby, C. Alberthsen). CSIRO Publishing: Melbourne, Australia.

## Scientific, Technical and Consultancy Reports - 3

**Bond, N.** & Tate, B. (2022). Hattah Carbon Accumulation Modelling. Mallee Catchment Management Authority. CFE Publication 277.

Downey, H., Spelten, E., Holmes, K., MacDermott, S. & **Mynott, J.** (2022). The Multidimensional Meanings of Water for the Albury-Wodonga Community.

**Shackleton, M. E., McPhan, L.** & Murphy, N. P. (2022). DNA barcoding and investigation into PCR bias among Sydney Water macroinvertebrates. Sydney Water. CFE Publication 275.