

# Publications for Ashley Ward

## 2018

Ward, A., Schaerf, T., Burns, A., Lizier, J., Crosato, E., Prokopenko, M., Webster, M. (2018). Cohesion, order and information flow in the collective motion of mixed-species shoals. *Royal Society Open Science*, 5(12), 1-14. <a href="http://dx.doi.org/10.1098/rsos.181132">[More Information]</a>

King, A., Fehlmann, G., Biro, D., Ward, A., Furtbauer, I. (2018). Re-wilding Collective Behaviour: An Ecological Perspective. *Trends in Ecology and Evolution*, 33(5), 347-357. <a href="http://dx.doi.org/10.1016/j.tree.2018.03.004">[More Information]</a>

Ward, A., Herbert-Read, J., Schaerf, T., Seebacher, F. (2018). The physiology of leadership in fish shoals: leaders have lower maximal metabolic rates and lower aerobic scope. *Journal of Zoology*, 305(2), 73-81. <a href="http://dx.doi.org/10.1111/jzo.12534">[More Information]</a>

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Burns, A., Schaerf, T., Ward, A. (2017). Behavioural consistency and group conformity in humbug damselfish. *Behaviour*, 154(13-15), 1343-1359. <a href="http://dx.doi.org/10.1163/1568539X-00003470">[More Information]</a>

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Davis, S., Lukeman, R., Schaerf, T., Ward, A. (2017). Familiarity affects collective motion in shoals of guppies (*Poecilia reticulata*). *Royal Society Open Science*, 4(9), 1-7. <a href="http://dx.doi.org/10.1098/rsos.170312">[More Information]</a>

Hansen, M., O'Leary, P., Ward, A. (2017). Interactions between *Plagiotremus* spp., *Labroides dimidiatus* and their clients: evidence for behavioural niche partitioning. *Journal of Fish Biology*, 90(1), 424-434. <a href="http://dx.doi.org/10.1111/jfb.13165">[More Information]</a>

Ward, A., Schaerf, T., Herbert-Read, J., Morrell, L., Sumpter, D., Webster, M. (2017). Local interactions and global properties of wild, free-ranging stickleback shoals. *Royal Society Open Science*, 4, 170043. <a href="http://dx.doi.org/10.1098/rsos.170043">[More Information]</a>

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Schaerf, T., Dillingham, P., Ward, A. (2017). The effects of external cues on individual and collective behavior of shoaling fish. *Science Advances*, 3(6), 1-15. <a href="http://dx.doi.org/10.1126/sciadv.1603201">[More Information]</a>

Raven, C., Shine, R., Greenlees, M., Schaerf, T., Ward, A. (2017). The role of biotic and abiotic cues in stimulating aggregation by larval cane toads (*Rhinella marina*). *Ethology*, 123(10), 724-735. <a href="http://dx.doi.org/10.1111/eth.12645">[More Information]</a>

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Hansen, M., Schaerf, T., Krause, J., Ward, A. (2016). Crimson Spotted Rainbowfish (*Melanotaenia duboulayi*) Change Their Spatial Position according to Nutritional Requirement. *PLoS One*, 11(2), 1-17. <a href="http://dx.doi.org/10.1371/journal.pone.0148334">[More Information]</a>

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Seebacher, F., Webster, M., James, R., Tallis, J., Ward, A. (2016). Morphological differences between habitats are associated with physiological and behavioural trade-offs in stickleback (*Gasterosteus aculeatus*). *Royal Society Open Science*, 3(6), 1-12. <a href="http://dx.doi.org/10.1098/rsos.160316">[More Information]</a>

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