

**PUBLICATIONS (SCI papers within 5 years) (\* corresponding author)**

1. Chan, H. Y., Chang, Y. W., Chen, L. S., Nihida, K. & **Shao Y. T.\*** (2022) The effect of environmental factors on spatial-temporal variation of Heterobranch Sea Slug community in northern Taiwan. *Frontiers in Marine Science*, 9, 1042961
2. Li, L. C., Roufidou, C., Borg, B. & **Shao, Y. T.\*** (2022). Changes in red color sensitivity over the spawning cycle of female three-spined stickleback (*Gasterosteus aculeatus*). *Zoological Studies*, 61, 17..
3. Hayasaka, O., Chang, H. Y., Li, L. C., Tseng, Y. C. & **Shao, Y. T.\*** (2022). Nocturnal eyes in slipper lobsters (Decapoda Scyllaridae): physiological and ecological implications of habitat depths for visual traits. *Frontiers in Marine Science*, 9, 807347.
4. Guh, Y. J., Tseng, Y. C., & **Shao, Y. T.\*** (2021). To cope with a changing aquatic soundscape: Neuroendocrine and antioxidant responses to chronic noise stress in fish. *General and comparative endocrinology*, 314, 113918.
5. Amelia, T. S. M., Khalik, W. M. A. W. M., Ong, M. C., **Shao, Y. T.\***, Pan, H. J\*, & Bhubalan, K.\* (2021). Marine microplastics as vectors of major ocean pollutants and its hazards to the marine ecosystem and humans. *Progress in Earth and Planetary Science*, 8(1), 1-26.
6. Chang, C. H., Wang, Y. C., **Shao, Y. T.**, & Liu, S. H. (2020). Phylogenetic analysis and ontogenetic changes in the cone opsins of the western mosquitofish (*Gambusia affinis*). *PLoS One*, 15(10), e0240313.
7. **Shao, Y. T.\***, Roufidou, C., Chung, P. C. and Borg, B (2019) Changes in kisspeptin, GnRH, and gonadotropin mRNA levels in male threespine stickleback (*Gasterosteus aculeatus*) during photoperiod-induced sexual maturation. *Evolutionary Ecology Research* 20: 1-13.
8. **Shao, Y. T.**, Chuang, S. Y., Chang H. Y., Tseng Y. C. and Shao, K. T.\* (2018) Largescale mullet (*Planiliza macrolepis*) can recover from thermal pollution-induced malformations. *PLoS One* 13(11): e0208005.
9. Chang, H. Y., Lin, T. H., Anraku, K. and **Shao Y. T.\*** (2018) The effects of continuous acoustic stress on ROS levels and antioxidant-related gene expression in the black porgy (*Acanthopagrus schlegelii*). *Zoological Study* 57(59): 1-14.

10. Wei, C. A., Lin, T. H., Chen, R. D., Tseng, Y. C. and **Shao, Y. T.\*** (2018). The effects of continuous acoustical stress on cortisol in milkfish (*Chanos chanos*). *General and Comparative Endocrinology* 257, 227-234.
11. Roufidou, C., Schmitz, M., Mayer, I., Sebire, M., Katsiadaki, I., **Shao, Y. T.** and Borg, B.\* (2018). Hormonal changes over the spawning cycle in the female three-spined stickleback, *Gasterosteus aculeatus*. *General and Comparative Endocrinology* 257, 97-105.
12. Chan, B. K., Shao, K. T., **Shao, Y. T.** and Chang, Y. W. (2016). A simplified, economical, and robust light trap for capturing benthic and pelagic zooplankton. *Journal of Experimental Marine Biology and Ecology*, 482, 25-32.
13. Hu, M. Y., Guh, Y. J., **Shao, Y. T.**, Kuan, P. L., Chen, G. L., Lee, J. R., ... and Tseng, Y. C.\* (2016). Strong ion regulatory abilities enable the crab *Xenograpsus testudinatus* to inhabit highly acidified marine vent systems. *Frontiers in physiology*, 7.
14. Roufidou, C., Sebire, M., Katsiadaki, I., Mustafa, A., Schmitz, M., Mayer, I., **Shao Y. T.** and Borg, B\*. (2016). Overripening of eggs and changes in reproductive hormones in the threespine stickleback, *Gasterosteus aculeatus*. *Evolutionary Ecology Research*, 17(4), 583-601.