

2026

1. **De Novo Regeneration of Rete Ridges during Cetacean skin wound healing**
Liu, T.-Y., Wang, H.-V., Yang, W.-C., Yang, C.-C., Su, C.-Y., Chiou, Y.-T., Chiou, T.-H., Shieh, S.-J., Tang, M.-J., Chuong, C.-M. & Hughes, M. W., 2026 3 月 19, (Submitted).
 2. **GLR channels are required for rhythmic scent emission in *Phalaenopsis bellina***
Chang, Y. L., Zhu, X. C., Chen, T. Y., Wong, C. E., Chiou, T.-H., Su, P. H., Chang, F. Y., Jeng, M.-F., Wu, C. H., Yu, H. & Chen, H. H., 2026 4 月, 於: *Plant Journal*. 126, 1, e70822.
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3. **Diverse sources of resistance to *Thrips palmi* (Thysanoptera: Thripidae) in chili (*Capsicum annuum* and *C. chinense*)**
Swaroop, K. O., Nalla, M. K., Hsu, J. C., Lin, T. H., Wang, Y. W., Lin, S. W., Sotelo-Cardona, P. A., Chiou, T. H., Ramasamy, S. & Barchenger, D. W., 2025 8 月 1, 於: *Journal of Economic Entomology*. 118, 4, p. 1942-1949 8 p.
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4. **Persistent Halogenated Organic Pollutants in Deep-Water-Deposited Particulates from South China Sea**
Lee, J. D., Chiou, T. H., Zhang, H. J., Chao, H. R., Chen, K. Y., Gou, Y. Y., Huang, C. E., Lin, S. L. & Wang, L. C., 2023 12 月, 於: *Toxics*. 11, 12, 968.
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5. **Correlation between pathogenic determinants associated with clinically isolated non-typhoidal *Salmonella***
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T. S. & Wang, H. V., 2021 1 月, 於: *Pathogens*. 10, 1, p. 1-16 16 p., 74.

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6. **Neural processing of linearly and circularly polarized light signal in a mantis shrimp *Haptosquilla pulchella***

Chiou, T. H. & Wang, C. W., 2020 11 月, 於: *Journal of Experimental Biology*. 223, 22, jeb219832.

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7. **Polarisation signals: A new currency for communication**

Marshall, N. J., Powell, S. B., Cronin, T. W., Caldwell, R. L., Johnsen, S., Gruev, V., Chiou, T. H. S., Roberts, N. W. & How, M. J., 2019 2 月, 於: *Journal of Experimental Biology*. 222, 3, jeb134213.

2017

8. **Circularly polarized light detection in stomatopod crustaceans: A comparison of photoreceptors and possible function in six species**

Templin, R. M., How, M. J., Roberts, N. W., Chiou, T. H. & Marshall, J., 2017 9 月 15, 於: *Journal of Experimental Biology*. 220, 18, p. 3222-3230 9 p.

9. **Intracellular recordings of spectral sensitivities in stomatopods: A comparison across species**

Thoen, H. H., Chiou, T. H. & Justin Marshall, N., 2017 11 月 1, 於: *Integrative and Comparative Biology*. 57, 5, p. 1117-1129 13 p.

10. **Three new records of nannosquillidae from Taiwan with notes on their ecology (Crustacea, Stomatopoda, Lysiosquilloidea)**

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Jordan, T. M., Wilby, D., Chiou, T. H., Feller, K. D., Caldwell, R. L., Cronin, T. W. & Roberts, N. W., 2016 2 月 17, 於: *Scientific reports*. 6, 21744.

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12. A different form of color vision in mantis shrimp

Thoen, H. H., How, M. J., Chiou, T. H. & Marshall, J., 2014, 於: *Science*. 343, 6169, p. 411-413 3 p.

13. Atmospheric concentrations of persistent organic pollutants over the Pacific Ocean near southern Taiwan and the northern Philippines

Chao, H. R., Lin, D. Y., Chen, K. Y., Gou, Y. Y., Chiou, T. H., Lee, W. J., Chen, S. J. & Wang, L. C., 2014 9 月 1, 於: *Science of the Total Environment*. 491-492, p. 51-59 9 p.

14. Spectral sensitivities and color signals in a polymorphic damselfly

Huang, S. C., Chiou, T. H., Marshall, J. & Reinhard, J., 2014 1 月 31, 於: *PloS one*. 9, 1, e87972.

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15. A novel function for a carotenoid: Astaxanthin used as a polarizer for visual signalling in a mantis shrimp

Chiou, T. H., Place, A. R., Caldwell, R. L., Marshall, N. J. & Cronin, T. W., 2012 2 月, 於: *Journal of Experimental Biology*. 215, 4, p. 584-589 6 p.

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17. Behavioural relevance of polarization sensitivity as a target detection mechanism in cephalopods and fishes

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19. **A biological quarter-wave retarder with excellent achromaticity in the visible wavelength region**

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21. **Circular Polarization Vision in a Stomatopod Crustacean**

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22. **Fine structure and optical properties of biological polarizers in crustaceans and cephalopods**

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**ecology of neotropical nymphalid butterflies (Lepidoptera:
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27. Polarization vision and its role in biological signaling

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