

## 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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## 2025

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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## 2023

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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## 2021

5. **Correlation between pathogenic determinants associated with clinically isolated non-typhoidal Salmonella**

Ouali, B. E. F., Chiou, T. H., Chen, J. W., Lin, I. C., Liu, C. C., Chiang, Y. C., Ho, T. S. & Wang, H. V., 2021 1 月, 於: *Pathogens*. 10, 1, p. 1-16 16 p., 74.

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## 2020

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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## 2019

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.

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## 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)**

Wang, J. W. & Chiou, T. H., 2017, 於: *ZooKeys*. 2017, 721, p. 33-43 11 p.

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## 2016

**11. A shape-anisotropic reflective polarizer in a stomatopod crustacean**

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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## 2014

**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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## 2012

**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.

**16. High-resolution polarisation vision in a cuttlefish**

Temple, S. E., Pignatelli, V., Cook, T., How, M. J., Chiou, T. H., Roberts, N. W. & Marshall, N. J., 2012 2 月 21, 於: *Current Biology*. 22, 4, p. R121-R122.

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

Pignatelli, V., Temple, S. E., Chiou, T. H., Roberts, N. W., Collin, S. P. & Marshall, N. J., 2011 3 月 12, 於: *Philosophical Transactions of the Royal Society B: Biological Sciences*. 366, 1565, p. 734-741 8 p.

18. **Changes in light-reflecting properties of signalling appendages alter mate choice behaviour in a stomatopod crustacean *haptosquilla trispinosa***

Chiou, T. H., Marshall, N. J., Caldwell, R. L. & Cronin, T. W., 2011 1 月, 於: *Marine and Freshwater Behaviour and Physiology*. 44, 1, p. 1-11 11 p.

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

Roberts, N. W., Chiou, T. H., Marshall, N. J. & Cronin, T. W., 2009 11 月, 於: *Nature Photonics*. 3, 11, p. 641-644 4 p.

20. **Polarization signals in mantis shrimps**

Cronin, T. W., Chiou, T. H., Caldwell, R. L., Roberts, N. & Marshall, J., 2009, 於: *Polarization Science and Remote Sensing IV*. 74610C. (Proceedings of SPIE - The International Society for Optical Engineering; 卷 7461).

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

Chiou, T. H., Kleinlogel, S., Cronin, T., Caldwell, R., Loeffler, B., Siddiqi, A.,

Goldizen, A. & Marshall, J., 2008 3 月 25, 於: *Current Biology*. 18, 6, p. 429-434 6 p.

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

Chiou, T. H., Caldwell, R. L., Hanlon, R. T. & Cronin, T. W., 2008, 於: *Polarization: Measurement, Analysis, and Remote Sensing VIII*. 697203. (Proceedings of SPIE - The International Society for Optical Engineering; 卷 6972).

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**23. Light habitats and the role of polarized iridescence in the sensory ecology of neotropical nymphalid butterflies (Lepidoptera: Nymphalidae)**

Douglas, J. M., Cronin, T. W., Chiou, T. H. & Dominy, N. J., 2007 3 月, 於: *Journal of Experimental Biology*. 210, 5, p. 788-799 12 p.

**24. Spectral and spatial properties of polarized light reflections from the arms of squid (*Loligo pealeii*) and cuttlefish (*Sepia officinalis* L.)**

Chiou, T. H., Mäthger, L. M., Hanlon, R. T. & Cronin, T. W., 2007 10 月, 於: *Journal of Experimental Biology*. 210, 20, p. 3624-3635 12 p.

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Chiou, T. H., Cronin, T. W., Caldwell, R. L. & Marshall, J., 2005, 於: *Proceedings of SPIE - The International Society for Optical Engineering*. 5888, p. 1-9 9 p., 58881B.

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## 2003

**26. Polarization signals in the marine environment**

Cronin, T. W., Shashar, N., Caldwell, R. L., Marshall, J., Cheroske, A. G. & Chiou, T. H., 2003, 於: *Proceedings of SPIE - The International Society for Optical Engineering*. 5158, p. 85-92 8 p.

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