

Publications

Name: Tin-Yam CHAN

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Scientific Journals:

1. Chang, S.C., T. Komai, A.B. Kumar and **T.Y. Chan***. 2025. DNA barcoding and morphology demonstrate that the three nominal species of the “*Glyphocrangon smithii* species complex” represent a single species, *G. smithii* Wood-Mason in Wood-Mason & Alcock, 1891 (Decapoda: Caridea: Glyphocrangonidae). *J. Crust. Biol.*, **45**(ruaf047): 1-9. <https://doi.org/10.1093/jcbiol/ruaf047> [SCI]
2. Ng, P.K.L., Y.C. Chen, **T.Y. Chan** and C.H. Yang*. 2025. Two new records of dromiid crabs (Brachyura, Dromiidae, Dromiinae) from Taiwan, with notes on the taxonomy of *Stimdromia* McIay, 1993 and *Epigodromia* McLay, 1993. *Crustaceana*, **98**(4): 483-493. [SCI]
3. Kou Q, **T.Y. Chan**, M. Hyžny, X. Li* and G. C. B. Poore*. 2025. Hunting the ghost: phylogenomic analyses reveal divergence, habitat transitions and character evolution of the ghost and mud shrimps (Decapoda: Axiidea). *Cladistics*, (**2025**): 1–15. <https://doi.org/10.1111/cla.70000> [SCI]
4. Kou, Q, **T.Y. Chan** and X. Li*. 2025. A new species of the rare genus *Segonzackomaius* Burukovsky, 2011 (Decapoda, Caridea, Nematocarcinidae) from the Northwest Pacific. *Zootaxa*, **5627**(2): 373–386. [SCI]
5. **Chan T.Y.**, C.H. Yang*, A.B. Kumar and A. Hurzaid*. 2025. On the commercial shrimps of the “*Parapenaeopsis cornuta* (Kishinouye, 1900)” species group (Crustacea, Decapoda, Penaeidae). *Zoosyst. Evol.*, **101** (2): 609–625. [SCI]
6. Fujita K., C.W. Lin, K.J.H. Wong, M. Kato, **T.Y. Chan** and K. Wakabayashi*. 2025. Collection of stomatopod larvae unveiled the existence of an undescribed genus in Lysiosquillidae around Japanese waters. *Mar. Biodiv.*, **55**: 29: 1-12. <https://doi.org/10.1007/s12526-025-01514-3> [SCI]
7. **Chan T.Y.**, R. Grech Santucci, M. Dimech and C.H. Yang. 2025*. Taxonomy of two deep-water penaeoid shrimps (Decapoda: Dendrobranchiata: Penaeidae, Solenoceridae) *Pleoticus steindachneri* (Balss, 1914) and *Parapenaeus fissuroides erythraeus* Crosnier, 1986 endemic to the Red Sea. *J. Crust. Biol.*, **45**(ruaf011): 1-7. <https://doi.org/10.1093/jcbiol/ruaf011> [SCI]
8. Jiang, G.C., C.H. Yang, K. Wakabayashi and **T.Y. Chan***. 2024. An integrated taxonomy approach identified the final stage of giant phyllosoma of *Parribacus antarcticus* (Lund, 1793) (Crustacea: Decapoda: Scyllaridae) from Taiwan waters. *Zool. Stud.*, **63**:56: 1-10. doi:10.6620/ZS.2024.63-56. [SCI]
9. Ng, W.L., C.A. Chen*, C.P. Leaw, S.T. Teng, R.b. Nurhasan and T.Y. Chan. 2024. *Panulirus stimpsoni* and checklist of *Panulirus* lobsters in Malaysian waters: morphological and molecular insights. *J. Mar. Biol. Assoc. U. K.*, **104** e105: 1–12. <https://doi.org/10.1017/S0025315424001000> [SCI]
10. Chan, B.K.K., J.C. Guo, C.L. Chen and **T.Y. Chan***. 2024. Activity of the shallow-water hydrothermal vent crab *Xenograpsus testudinatus* is affected by tides, water temperature, and light intensity. *Mar. Ecol. Prog. Ser.*, **744**: 69-82. [SCI]
11. Yang, C.H., **T.Y. Chan*** and H. Thein. 2024. Use of three-dimensional uCT imaging technique in the description of a new deepsea slipper lobster *Bathyarctus andamanicus* sp. nov. (Crustacea: Decapoda: Scyllaridae) from Myanmar. *Bull. Mar. Sci.*, **100**(3): 395-405. [SCI]
12. **Chan, T.Y.**, K. Wakabayashi, C.L. Chen, M. Kato and S.C. Chang*. 2024. Taxonomy of the two nominal species of the deep-sea clawed lobsters *Nephropsis serrata* Macpherson, 1993 and *N. hamadai* Watabe & Ikeda, 1994 (Decapoda: Astacidea: Nephropidae). *J. Crust. Biol.*, **44**(2): 1-5. doi.org/10.1093/jcbiol/ruae028 [SCI]
13. Yang, C.H., A.B. Kumar and **T.Y. Chan***. 2024. On the differences between the two widely distributed and closely related rock shrimps *Sicyonia japonica* Balss, 1914 and *S. parajaponica* Crosnier, 2003 (Dendrobranchiata, Penaeoidea, Sicyoniidae), with a new record of *S. japonica* from Taiwan. *Zootaxa*, **5476**(1): 505–513. [SCI]
14. Wolfe, J.M.*, L. Ballou, J. Luque, V. M. Watson-Zink, S. T. Ahyong, J. Barido-Sottani, **T.Y. Chan**, K. A. Crandall, J.W. Martin, P.K.L. Ng, S.R. Daniels, K.H. Chu, D.L. Felder, H. Mancke, J. Ortega-Hernández, E.P. Theill, N.D. Pentcheff, R. Robles, B.P. Thoma, L.M. Tsang, R. Wetzer, A.M. Windsor and H.D. Bracken-Grissom. 2024. Convergent Adaptation of True Crabs (Decapoda: Brachyura) to a Gradient of Terrestrial Environments. *Syst. Biol.*,

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15. Ng, W.C., C.A. Chen*, S.T. Teng, A.D. Tuzan, M.N. Mullungal and **T.Y. Chan**. 2023. A new record of *Panulirus homarus homarus* (*Panulirus* spp.) from Malaysia waters with its molecular phylogeny. *Borneo J. Res. Sci. Techn.*, **13**(2): 175-185. [SCI]
 16. Yang, C.H., **T.Y. Chan*** and P.K.L. Ng. 2023. First Record of the Rare Deep-Sea Crab *Mathildella kyushupalauensis* Takeda & Watabe, 2004 (Crustacea: Decapoda: Mathildellidae) from Taiwan; with a key to the genus. *J. Natl. Taiwan Mus.*, **76**(3&4): 25-36.
 17. **Chan, T.Y.** 2023. New subgeneric names for the most commercially important shrimp genus *Penaeus* Fabricius, 1798 (Crustacea, Decapoda, Penaeidae). *Zookeys* **1141**: 29-40. [SCI]
 18. Yang, C.H., K.Y. Ma, K.H. Chu and **T.Y. Chan***. 2023. Making sense of the taxonomy of the most commercially important shrimps *Penaeus* Fabricius, 1798 s. l. (Crustacea: Decapoda: Penaeidae), a way forward. *Aquaculture*, **563** (1): 1-10. <https://doi.org/10.1016/j.aquaculture.2022.738955> [SCI]
 19. Hsu, Y.C. and **T.Y. Chan***. 2023. On the penaeid shrimps of the genus *Parapenaeopsis* Alcock, 1901 (Crustacea, Decapoda) from Taiwan. *Zootaxa*, **5361**(2): 221–236. [SCI]
 20. Komai, T. S.C. Chang* and **T.Y. Chan**. 2023. The identity of the deepsea caridean shrimp *Glyphocrangon stenolepis* and description of *Glyphocrangon latens* sp. nov. from Taiwan and Japan. *Bull. Mar Sci.*, **99**(3): 313–330. [SCI]
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 23. **Chan, T.Y.**, J.H. Huang, P.H. Ho and J.Y. Shy. 2023. In memoriam Professor Hsiang-Ping Yu (1938-2020). *Crustaceana*, **96**(3): 295-303. [SCI]
 24. Ng, P.K.L., Y.C. Chen and **T.Y. Chan***. 2023. The male of *Orientotlos iishibai* Sakai, 1980 (Decapoda, Brachyura, Leucosiidae). *Crustaceana*, **96**(8): 815-820. [SCI]
 25. Gašparič, R., D. Tshudy, **T.Y. Chan** and S. Čorić. Validation of *Metanephrops serendipitus* (Crustacea, Decapoda, Nephropidae), a deep-water lobster from lower Miocene of Meljski hrib (Maribor, Slovenia). *Zootaxa*, **5323**(3): 440–442. [SCI]
 26. Kato, S., M. Ohta, H. Fukumori, T.H. Hsu, **T.Y. Chan** and S. Kojima*. 2023. Geographic distribution and genetic structures of the tideland snails *Pirenella nipponica* and *P. asiatica* in Taiwan and Japan. *Zool. Stud.*, **62**-43: 1-8. doi:10.6620/ZS.2023.62-43 [SCI]
 27. Chen C.L. and **T.Y., Chan***. 2023. The use of three-dimensional uCT imaging technique in the description of a new species of *Stenopus* Latreille, 1819 (Decapoda: Stenopodidea: Stenopodidae) shrimp, with a revised key to the species of *Stenopus*. *J. Crust. Biol.*, **43**(3): 1–12. <https://doi.org/10.1093/jcbiol/ruad041> [SCI]
 28. **Chan, T.Y.**, Z.A. Muchlisin and A. Hurzaid. 2023. Validation of *Penaeus simplex* (Decapoda: Dendrobranchiata: Penaeidae), a commercially important prawn from Indonesia. *J. Crust. Biol.*, **43**(4): 1-2. <https://doi.org/10.1093/jcbiol/ruad064> [SCI]
 29. De Grave, S., W. Decock, S. Dekeyzer, P.J.F. Davie, C.H.J.M. Fransen, C.B. Boyko, G.C.B. Poore, E. Macpherson, S.T. Ahyong, K.A. Crandall, V. de Mazancourt, M. Osawa, **T.Y. Chan**, P.K.L. Ng, R. Lemaitre, S.E.T. van der Meij and S. Santos. 2023. Benchmarking global biodiversity of decapod crustaceans (Crustacea: Decapoda). *J. Crust. Biol.*, **43**(3): 1–9. <https://doi.org/10.1093/jcbiol/ruad042> [SCI]
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 31. Wang, Y.V., T. Larsen, M. Lebrato, L.C. Tseng, P.W. Lee, N. Sánchez, J.C. Meolinero, J.S. Hwang, **T.Y. Chan** and D. Garbe-Schönberg. 2023. Foraging under extreme events: Contrasting adaptations by benthic macrofauna to drastic biogeochemical disturbance. *Functional Ecol.*, **37**: 1390-1406. [SCI]
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 33. Huang, J.F., H.C. Ho, H.M. Chen* and **T.Y. Chan**. 2022. A new species of the congrid eel genus *Bathycongrus* (Order Anguilliformes) from eastern Taiwan. *Zootaxa* **5189**(1): 76-86. [SCI]

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35. Chang, S.C. and **T.Y. Chan***. 2022. Multigene phylogeny of reef lobsters of the family Enoplometopidae (Decapoda: Crustacea). *Invert. Syst.* **36**(11): 973-983. [SCI]
36. Hsu, Y.C., C.C. Chen and **T.Y. Chan***. 2022. On the penaeid shrimps of the genus *Metapenaeus* Wood-Mason in Wood-Mason & Alcock, 1891 (Crustacea, Decapoda, Penaeidae) of Taiwan. *Zootaxa* **5169**(4): 331-346. [SCI]
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38. Komai, T., S.C. Chang and **T.Y. Chan***. 2022. A new species of the deep-sea shrimp genus *Glyphocrangon* A. Milne-Edwards, 1880 (Decapoda: Caridea: Glyphocrangonidae) from the South China Sea off Pratas Island. *Zootaxa* **5141**(2): 140-150. [SCI]
39. Wang, T.W., D.C.P. Lau, **T.Y. Chan** and B. K. K. Chan*. 2022. Autochthony and isotopic niches of benthic fauna at shallow-water hydrothermal vents. *Scientific Rep.* **12**(6248): 1-14. <https://doi.org/10.1038/s41598-022-09839-w> [SCI]
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41. Ng, W.L., C.A. Chen*, S. Mustafa, C.P. Leaw, S.T. Teng, S.N.F.B. Zakaria, A.D. Tuzan, **T.Y. Chan**. 2022. A new record of the spiny lobster, *Panulirus femoristriga* (von Martens, 1872) from the coastal waters of Malaysia, with revision of global distribution. *Biodiversity Data J.* **10** (e77973): 1-18. <https://doi.org/10.3897/BDJ.10.e77973> [SCI]
42. Golightly, C., D.M. DeLeo, N. Perez, **T.Y. Chan**, J.M. Landeira and H.D. Bracken-Grissom. 2022. Tracing the evolution of bioluminescent light organs across the deep-sea shrimp family Sergestidae using a genomic skimming and phylogenetic approach. *Invert. Syst.* **36**(1): 22-35. [SCI]
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45. Wang Y., K.Y. Ma, L.M. Tsang, K. Wakabayashi, **T.Y. Chan**, S. De Grave and K.H. Chu*. 2021. Confirming the systematic position of two enigmatic shrimps, *Amphionides* and *Procarididae* (Crustacea: Decapoda). *Zool. Scripta* **50**: 812-823. [SCI]
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48. Gašparič, R., D. Tshudy, **T.Y. Chan** and S. Čorić. 2021. A new deep-water lobster, *Metanephrops serendipitus* sp. nov. (Crustacea, Decapoda, Nephropidae), from lower Miocene of Meljski hrib (Maribor, Slovenia). *Boletín de la Sociedad Geológica Mexicana* **73**(3)A240521: 1-19.
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51. **Chan, T.Y.**, T. Komai and C.H. Yang*. 2021. A list of shrimps and lobsters (Crustacea: Decapoda: Dendrobranchiata, Caridea, Stenopodidea, Polychelida, Astacidea, Achelata, Axiidea,

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 56. Cui, Z*, Y. Liu, J. Yuan, X. Zhang, T. Ventura, K.Y. Ma, S. Sun, C. Song, D. Zhan, Y. Yang, H. Liu, G. Fan, Q. Cai, J. Du, J. Qin, C. Shi, S. Hao, Q.P. Fitzgibbon, G.G. Smith, J. Xiang, **T.Y. Chan**, M. Hui, C. Bao, F. Li* and K.H. Chu*. 2021. The Chinese mitten crab genome provides insights into adaptive plasticity and developmental regulation. *Nature Communications*. **12** (2395): 1-13, doi:10.1038/s41467-021-22604-3. [SCI]
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