

Publications

Name: Tin-Yam CHAN

(Aug 2022)

Scientific Journals:

1. 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]
2. Homberger, L., J. Wu, D. Brandis, **T.Y. Chan**, H. Keirsebelik, M. Normant-Saremba, J. Schoelynck, K.H. Chu, C. Ewers-Saucedo*. 2022. Genetic and morphological evidence indicates the persistence of Japanese mitten crab mitochondrial DNA in Europe for over 20 years and its introgression into Chinese mitten crabs. *NeoBiota*, 73: 137-152. [SCI]
3. 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]
4. 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]
5. Yang, C.H., T.W. Wang, P.K.L. Ng, **T.Y. Chan**, Y.Y. Lin, B.K.K. Chan*. 2022. Population Genetic differentiation on the hydrothermal vent crabs *Xenograpsus testudinatus* along depth and geographical gradients in the Western Pacific. *Diversity* **14**(162): 1-14. <https://doi.org/10.3390/d14030162> [SCI]
6. 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]
7. Golightly, C., D.M. DeLeo, N. Perez, **T.Y. Chan**, J.M. Landeira and H.D. Bracken-Grisson. 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]
8. Hanafi-Portier, M., S. Samadi, L. Corbari, **T.Y. Chan**, W.J. Chen, J.N. Chen, M.Y. Lee, C. Mah, T. Saucède, C. Borremans and K. Olu. 2021. When imagery and physical sampling work together: Toward and integrative methodology of deep-sea image-based megafauna identification. *Front. Mar. Sci.* **8**(749078): 1-25. <https://doi.org/10.3389/fmars.2021.749078> [SCI]
9. Chow, L.M., S. De Grave, A. Anker, K.Y. Poon, K.K.Y. Ma, K.H. Chu, **T.Y. Chan** and L.M. Tsang*. 2021. Distinct suites of pre- and post-adaptations indicate independent evolutionary pathways of snapping claws in the shrimp family Alpheidae (Decapoda: Caridea) *Evolution* **75**(11): 2898-2910. [SCI]
10. 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]
11. Richer de Forges, B., S.T. Ahyong, P. Castro, **T.Y. Chan**, P.F. Clark, R. Lemaitre, E. Macpherson, P.K.L. Ng, G.C.B. Poore, J. Poupin and M. Tavares. 2021. Alain Crosnier's role in modern carcinology: exploration, international collaboration, and taxonomy. *J. Crust. Biol.* **41**(3)ruab031: 1-8, doi.org/10.1093/jcbiol/ruab031. [SCI]
12. Komai, T., **T.Y. Chan** and S.C. Chang*. 2021. Redescription of the colorful deep-water shrimp *Lebbeus compressus* Holthuis, 1947 and description of a closely allied new species from Taiwan (Decapoda: Caridea: Thoridae). *J. Crust. Biol.* **41**(3)ruab048: 1-13, doi.org/10.1093/jcbiol/ruab048. [SCI]
13. 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.
14. Ng, P.K L. and **T.Y. Chan***. 2021. Rediscovery of *Orientotlos iishibai* Sakai, 1980 (Crustacea, Decapoda, Brachyura, Leucosiidae) in Taiwan. *ZooKeys* **1053**: 185–195. [SCI]
15. Chen, C.L. and **T.Y. Chan***. 2021 A new stenopodid shrimp of the genus *Odontozona* Holthuis, 1946 (Crustacea: Decapoda: Stenopodidea) from Taiwan. *Arthropoda Selecta* **30**(3): 299-308. [SCI]

16. **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, Gebiidea) photographed during the SJADES 2018 biodiversity cruise. *Raffles Bull. Zool.* suppl. **36**: 119-161. [SCI]
17. Chim C.K.*, I. Wirawati*, P. Avianto, B. Richer de Forges, **T.Y. Chan** and T.K. Siang. 2021. SJADES 2018 biodiversity research cruise: Methodology and station data. *Raffles Bull. Zool.* suppl. **36**: 17-22. [SCI]
18. Ami Shaumi, A., U.C. Cheang, C.Y. Yang, C.W. Chang, S.Y. Guo, C.H. Yang, **T.Y. Chan** and K.L. Pang*. 2021. Culturable fungi associated with the marine shallow-water hydrothermal vent crab *Xenograpsus testudinatus* at Kueishan Island, Taiwan. *Botanica Marina* **64**(4): 1289-300. [SCI]
19. Jiang, G.C. and **T.Y. Chan***. 2021. Morphology of the first three zoeal stages of the deep-sea caridean shrimp *Heterocarpus fascirostratus* Yang, Chan & Kumar, 2018 (Crustacea, Decapoda, Pandalidae). *ZooKeys* **1042**: 23-34. [SCI]
20. Tan, M.H., H.M. Gan, H. Bracken-Grissom, **T.Y. Chan**, F. Grandjean and C.M. Austin. 2021. More from less: Genome skimming for nuclear markers for animal phylogenomics, a case study using decapod crustaceans. *J. Crus. Biol.* **41**(2): 1-7, doi:10.1093/jcbiol/ruab009. [SCI]
21. 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.org/10.1038/s41467-021-22604-3. [SCI]
22. **Chan, T.Y.**, Z.A. Muchlisin and A. Hurzaid*. 2021. Verification of a pseudocryptic species in the commercially important tiger prawn *Penaeus monodon* Fabricius, 1798 (Decapoda: Penaeidae) from Aceh Province, Indonesia. *J. Crus. Biol* **41**(1): 1-10, doi:10.1093/jcbiol/ruaa096. [SCI]
23. Chen, C.L. and **T.Y. Chan***. 2021. First record of the rare stenopodidean shrimp *Odontozona spongicola* (Alcock & Anderson, 1899) (Decapoda: Stenopodidea, Stenopodidae) from Indonesia. *Zootaxa* **4915**(4): 575-584. [SCI]
24. Tang, B, Z. Wang, Q. Liu, Z. Wang, Y. Ren, H. Guo, T. Qi, Y. Li*, H. Zhang, S. Jiang, B. Ge, F. Xuan, Y. Sun, S. She, **T.Y. Chan**, Z. Sha, H. Jiang, H. Li, W. Jiang, Y. Qin, K. Wang, Q. Qiu, W. Wang, X. Li*, N.K. Ng*, D. Zhang* and Y. Li. 2021. Chromosome-level genome assembly of *Paralithodes platypus* provides insights into evolution and adaptation of king crabs. *Mol. Ecol. Resour.* **21**: 511-525. [SCI]
25. Chang, S.C., **T.Y. Chan*** and A.B. Kumar. 2020. Deep-sea clawed lobster *Nephropsis stewarti* Wood-Mason, 1872 species complex in the Indo-West Pacific (Crustacea, Decapoda, Nephropidae), with description of a new species. *ZooKeys* **1008**: 37-60. [SCI]
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29. Macpherson, E., **T.Y. Chan***, A.B. Kumar and P.C. Rodriguez-Flores. 2020. On some squat lobsters from India (Decapoda, Anomura, Munididae), with description of a new species of *Paramunida* Baba, 1988. *ZooKeys* **965**: 17-36. [SCI]
30. Komai, T., C.H. Yang and **T.Y. Chan***. 2020. Deep-sea shrimps of the genus *Glyphocrangon* A. Milne-Edwards, 1881 (Decapoda: Caridea: Glyphocrangonidae) collected by the SJADES 2018 expedition off Java, Indonesia, with description of one new species. *Raffles Bull. Zool.* **68**: 636-653. [SCI]
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32. Chiang, C.I, M.T Chung, J.C. Shiao, P.L Wang, **T.Y. Chan**, A. Yamaguchi and C.H. Wang*. 2020. Seasonal movement patterns of the bigfin reef squid *Sepioteuthis lessoniana* predicted using statolith $\delta^{18}\text{O}$ values. *Frontiers Mar. Sci.* **7**(249): 1-14. [SCI]
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- Achelata: Scyllaridae). *J. Crust. Biol.* **40**(3): 237-246. [SCI]
34. Komai, T. and **T.Y. Chan***. 2020. New records of the crangonid shrimp genus *Metacrangon* Zarenkov, 1965 (Decapoda: Caridea), from the south of Java, eastern Indian Ocean, with description of a new species. *Raffles Bull. Zool.* **68**: 326-333. [SCI]
 35. Chang, S.C., **T.Y. Chan*** and A.B. Kumar. 2020. A new lobster of the genus *Nephropsis* Wood-Mason, 1872 (Crustacea: Decapoda: Nephropidae) from the Indonesian deep-sea cruise, SJADES 2018. *Raffles Bull. Zool.* **68**: 50-55. [SCI]
 36. **Chan, T.Y.**, C.Y. Hsu, A.B. Kumar and S.C. Chang. 2020. On the “*Plesionika martia*” (A. Milne-Edwards, 1883) species group in Indian waters. *Zootaxa* **4279**: 67-76. [SCI]
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 40. Landeira J. M., C.H. Yang*, T. Komai and **T.Y. Chan** and K. Wakabayashi. 2019. Molecular confirmation and description of the larval morphology of *Thalassocaris lucida* (Dana, 1852) (Decapoda, Caridea, Pandaloidae). *J. Mar. Biol. Ass. U. K.* **99**:1797–1805. [SCI]
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 42. **Chan, T.Y.**, C.H. Yang and K. Wakabayashi*. 2019. Amended larval recruitment model for the Japanese spiny lobster *Panulirus japonicus* based on new larval records and population genetic data in Taiwan. *J. Ocean.* **75**: 273-282. [SCI]
 43. Liao, Y., K.Y. Ma, S. De Grave, T. Komai, **T.Y. Chan*** and K.H. Chu. 2019. Systematic analysis of the caridean shrimp superfamily Pandaloidae (Crustacean: Decapoda) based on molecular and morphological evidence. *Mol. Phyl. Evol.* **134**: 200-210. [SCI]
 44. Ma, K.Y., J. Qin, C.W. Lin, **T.Y. Chan**, P.K.L. Ng, K.H. Chu and L.M. Tsang*. 2019. Phylogenomic analyses of brachyuran crabs support early divergence of primary freshwater crabs. *Mol. Phyl. Evol.* **135**: 62-66. [SCI]
 45. Yang, C.H. and **T.Y. Chan*** 2019. New records of *Benthescymus* Bate, 1881 (Dendrobranchiata, Penaeoidea, Benthescymidae) from the abyssal depths of Taiwan. *ZooKeys* **838**: 1-8. [SCI]
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 47. Komai, T., S.C. Chang and **T.Y. Chan***. 2019. A new deep-sea species of the caridean shrimp genus *Lebbeus* White, 1847 (Crustacea: Decapoda: Thoridae) from southern Java, Indonesia. *Raffles Bull. Zool.* **67**: 150-159. [SCI]
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 49. Jaing, G.C., J.M. Landeira, T.W. Shih* and **T.Y. Chan**. 2018. First zoeal stage of *Plesionika crosnieri* Chan & Yu, 1991, *P. ortmanni* Doflein, 1902 and *P. semilaevis* Bate, 1888, with remarks on the early larvae of *Plesionika* Bate, 1888 (Crustacea, Decapoda). *Zootaxa* **4532**(3): 385-395. [SCI]
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61. Komai, T. and **T.Y. Chan**. 2017. Redescriptions of two poorly known deep-sea shrimps (Crustacea: Pasiphaeidae and Glyphocrangonidae) from the Andaman Sea, eastern Indian Ocean. *Zootaxa* **4303**(1): 73-87. [SCI]
62. Liao, Y., S. De Grave*, T.W. Ho, B.H.Y. Ip, L.M. Tsang, **T.Y. Chan** and K.H. Chu. 2017. Molecular phylogeny of Pasiphaeidae (Crustacea, Decapoda, Caridea) reveals systematic incongruence of the current classification. *Mol. Phyl. Evol.* **115**: 171-180. [SCI]
63. **Chan, T.Y.**, B. Richer de Forges and J.F. Barazer. 2017. Ship-based collection of large crustaceans. *J. Crust. Biol.* **37**(4): 481-489. [SCI]
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66. Wakabayashi, K., C.H. Yang, J.Y. Shy*, C.H. He and **T.Y. Chan**. 2017. Correct identification and redescription of the larval stages and early juveniles of the slipper lobster *Eduarctus martensii* (Pfeffer, 1881) (Decapoda: Scyllaridae). *J. Crust. Biol.* **37**(2): 204-219. [SCI]
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