

Publications

Name: Tin-Yam CHAN

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Scientific Journals:

1. 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]
2. 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]
3. 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*. 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]
4. **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]
5. 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]
6. 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]
7. 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]
8. **Chan, T.Y.** 2020. *Sicyonella liui* sp. nov., a new sergestid shrimp (Decapoda, Dendrobranchiata) discovered from Madagascar. *Crustaceana* **93**(11-12): 1383-1390. [SCI]
9. Yang, C.H. and **T.Y. Chan***. 2020. A new slipper lobster of the genus *Galearctus* Holthuis, 2002 (Decapoda, Scyllaridae) from Madagascar. *Crustaceana* **93**(11-12): 1461-1470. [SCI]
10. Hurzaid, A., **T.Y. Chan**, S.A. Mohd Nor, Z.A. Muchlisin and W.J. Chen*. 2020 Molecular phylogeny and diversity of penaeid shrimps (Crustacea: Decapoda) from South-East Asian waters. *Zool. Scripta*. **49**: 596-613. [SCI]
11. 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]
12. 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]
13. Kim, J.N. and **T.Y. Chan**. 2020 Crangonid shrimps (Crustacea: Decapoda: Caridea) from Papua New Guinea. In: S.T. Ahyong, T.Y. Chan and L. Corbari (eds). Tropical Deep-sea Benthos, vol. 31, Papua New Guinea. *Mem. Mus. natn. Hist. nat.* **213**: 207-238.
14. 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]
15. Wakabayashi, K, C.H. Yang*, **T.Y. Chan** and B.F. Phillips. 2020 The final phyllosoma, nuisto, and first juvenile stages of the slipper lobster *Petrarctus brevicornis* (Holthuis, 1946) (Decapoda: Achelata: Scyllaridae). *J. Crust. Biol.* **40**(3): 237-246. [SCI]
16. 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]
17. 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]
18. **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]
 19. Komai, T., **T.Y. Chan*** and S. De Grave. 2019. Establishment of a new shrimp family Chlorotocellidae for four genera previously assigned to Pandalidae (Decapoda, Caridea, Pandaloidae). *Zoosyst. Evol.* **95** (2):391-402. [SCI]
 20. Chiang C.I., M.T. Chung, T.W. Shih and **T.Y. Chan**, A. Yamaguchi and C.H. Wang*. 2019. Evaluation of the ¹³⁷Ba mass-marking technique and potential effects in the early life history stages of *Sepioteuthis lessoniana*. *Mar. & Freshwater Res.* **70**, 1698–1707. [SCI]
 21. Tan M.H., H.M. Gan, Y.P. Lee, H. Bracken-Grissom and **T.Y. Chan**, A.D. Miller and C. M. Austin. 2019. Comparative mitogenomics of the Decapoda reveals evolutionary heterogeneity in architecture and composition. *Scient. Rep.* **9**:10756. [SCI]
 22. 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]
 23. Bao C., Y. Yang, **T.Y. Chan** and Z. Cui*. 2019. The complete mitochondrial genome of *Latreillia valida* (Decapoda: Brachyura). *Mitochondrial DNA Part B* **4**(1):1905-1906. [SCI]
 24. **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]
 25. 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]
 26. 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]
 27. 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]
 28. Chang, S.C. and **T.Y. Chan***. 2019. On the clawed lobsters of the genus *Nephropsis* Wood-Mason, 1872 recently collected from deep-sea cruises off Taiwan and the South China Sea (Crustacea, Decapoda, Nephropidae). *ZooKeys* **833**: 41-58. [SCI]
 29. 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]
 30. Lin, C.W. and **T.Y. Chan***. 2019 First record of the squat lobster genus *Sternostylus* Baba, Ah Yong & Schnabel, 2018 (Crustacea: Decapoda: Sternostylidae) in Taiwan. *Zootaxa* **4544**(2): 296-300. [SCI]
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 32. Chang, S.C. and **T.Y. Chan***. 2018. Molecular evidence of sexual polymorphism in the rare deep-sea lobster genus *Thaumastocheles* Wood-Mason, 1874 (Crustacea: Decapoda: Nephropidae). *J. Crust. Biol.* **38**(6): 772-779. [SCI]
 33. Chang, J., **T.Y. Chan**, N. Zhang, S. Sun and Z. Sha*. 2018. Mitochondrial phylogenomics reveals insights into taxonomy and evolution of Penaeoidea (Crustacea: Decapoda). *Zool. Scripta* **47**(5): 582-594. [SCI]
 34. Ashelby, C.W., W.C. Lin, S. De Grave and **T.Y. Chan***. 2018. Notes on the shrimp genus *Palaemon* Weber, 1795 (Crustacea, Decapoda, Palaemonidae) and related genera from Taiwan. *Zootaxa* **4446**(4): 575-595. [SCI]
 35. Chen, C., **T.Y. Chan** and B.K.K. Chan*. 2018. Molluscan diversity in shallow water hydrothermal vents off Kueishan Island, Taiwan. *Mar. Biodiv.* **48**: 709-714. [SCI]
 36. **Chan, T.Y.**, R.D. Chakraborty, P. Purushothaman, G. Kuberan and C.H. Yang*. 2018. On *Plesionika persica* (Kemp, 1925) and *P. reflexa* Chace, 1985 (Crustacea: Decapoda: Pandalidae) from India. *Zootaxa* **4382**(3): 583-591. [SCI]
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- a new species from the western Pacific. *Bull. Mar. Sci.* **94**(1): 85-99. [SCI]
38. Malay, M.C.D., D.L. Rahayu and **T.Y. Chan***. 2018. Hermit crabs of the genera *Calcinus* Dana, 1851, *Clibanarius* Dana, 1852, and *Dardanus* Paul'son, 1875 from the PANGLAO 2004 Expedition, with a checklist of the hermit crabs of the Philippines and description of a new species. *Raffles Bull. Zool.* **66**: 23-65. [SCI]
 39. Jiang, G.C., **T.Y. Chan** and T.W. Shih*. 2017. Larval development to the first eighth zoeal stages in the deep-sea caridean shrimp *Plesionika grandis* Doflein, 1902 (Crustacea, Decapoda, Pandalidae). *Zookeys* **719**: 23-44. [SCI]
 40. **Chan, T.Y.** A.B. Kumar and C.H. Yang*. 2017. Photophore counts in the deep-sea commercial shrimp *Aristeus alcocki* Ramadan, 1938 (Crustacea: Decapoda: Aristeidae), with a revised key to the Indo-West Pacific species of the genus. *Zootaxa* **4329**(4): 392-400. [SCI]
 41. Yang, C.H., A.B. Kumar and **T.Y. Chan***. 2017. A new slipper lobster of the genus *Petrarctus* Holthuis, 2002 (Crustacea, Decapoda, Scyllaridae) from Southwest coast of India. *Zootaxa* **4329**(5): 477-486. [SCI]
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 45. **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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 47. Chang, S.C., D. Tshudy, U. Sorhannus, S.T. Ah Yong* and **T.Y. Chan**. 2017. Evolution of the thaumastocheliform lobsters (Crustacea, Decapoda, Nephropidae). *Zool. Scripta.* **46**: 372-387. [SCI]
 48. 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]
 49. **Chan, T.Y.** and T. Komai. 2017. A new shrimp species of the genus *Lebbeus* White, 1847 (Crustacea: Decapoda: Caridea: Thoridae) from a deep-sea cold seep site off southwestern Taiwan. *Zootaxa* **4238**(3): 426-432. [SCI]
 50. Shi, G., Z. Cui*, M. Hui, Y. Liu, **T.Y. Chan** and C. Song. 2016. Unusual sequence features and gene rearrangements of primitive crabs revealed by three complete mitochondrial genomes of Dromiacea. *Comp. Biochem. Physiol. D* **20**: 65-73. [SCI]
 51. **Chan, T.Y.**, C.C. Lin and M.S. Jeng*. 2016. Occurrence of the rare lobster *Palinustus unicornutus* Berry, 1979 (Decapoda: Palinuridae) in Taiwan. *Crustaceana* **89**(13): 1501-1507. [SCI]
 52. Robalino, J., B. Wikins, H.D. Bracken-Grissom, **T.Y. Chan** and M.A. O'Leary. 2016. The origin of large-bodied shrimp that dominate modern global aquaculture. *PLoS ONE* **11**(7): 1-24. [SCI]
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64. De Grave, S., **T.Y. Chan**, K.H. Chu, C.H. Yang* and Landeira, J.M. 2015. Phylogenetics reveals the crustacean order Amphionidacea to be larval shrimps (Decapoda: Caridea). *Scientific Rep.* **5**: 17464; doi:10.1038/srep17464: 1-7. [SCI]
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