

- Macario A.C., Islam T., Paz M., Balsomo A.J., and Tomiyama T., 2025, Temperature-induced effects on ecdysis frequency, feeding, and growth response of gazami (*Portunus trituberculatus*) crablets, *Aquaculture, Fish and Fisheries*, 5(6): e70141.
<https://doi.org/10.1002/aff2.70141>
- Meng X., Jayasundara N., Zhang J., Ren X., Gao B., Li J., and Liu P., 2021, Integrated physiological, transcriptome and metabolome analyses of the hepatopancreas of the female swimming crab *Portunus trituberculatus* under ammonia exposure, *Ecotoxicology and Environmental Safety*, 228: 113026.
<https://doi.org/10.1016/j.ecoenv.2021.113026>
- Mugwanya M., Dawood M., Kimera F., and Sewilam H., 2022, Anthropogenic temperature fluctuations and their effect on aquaculture: a comprehensive review, *Aquaculture and Fisheries*, 7(3): 223-243.
<https://doi.org/10.1016/j.aaf.2021.12.005>
- Nie Y., Yang H., Qu K., Zhang L., and Du J., 2025, Research on the development and application of an intelligent aquaculture system, *Information Resources Management Journal*, 38(1): 1-20.
<https://doi.org/10.4018/irmj.368721>
- Qian Y., Yu Q., Zhang J., Han Y., Xie X., and Zhu D., 2024, Identification of transient receptor potential channel genes from the swimming crab *Portunus trituberculatus* and their expression profiles under acute temperature stress, *BMC Genomics*, 25(1): 72.
<https://doi.org/10.1186/s12864-024-09973-x>
- Qian Y., Yu Q., Zhang J., Han Y., Xie X., and Zhu D., 2025, Molecular characterization of TRPA1 and its function in thermotaxis and molting in *Portunus trituberculatus*, *Aquaculture Reports*, 45: 103158.
<https://doi.org/10.1016/j.aqrep.2025.103158>
- Qiu L., Guo X., Xie G., Feng Y.-H., Xing J.-Y., Li C., Yang B., and Huang J., 2023, Description of a natural infection with decapod iridescent virus 1 in farmed swimming crab, *Aquaculture*, 574: 739681.
<https://doi.org/10.1016/j.aquaculture.2023.739681>
- Samsing F., and Barnes A.C., 2024, The rise of the opportunists: what are the drivers of the increase in infectious diseases caused by environmental and commensal bacteria?, *Reviews in Aquaculture*, 16(4): 1787-1797.
<https://doi.org/10.1111/raq.12922>
- Shete R.P., Bongale A.M., and Dharrao D., 2024, IoT-enabled effective real-time water quality monitoring method for aquaculture, *MethodsX*, 13: 102906.
<https://doi.org/10.1016/j.mex.2024.102906>
- Su X., Liu J., Wang F., Wang Q., Zhang D., Zhu B., and Liu D., 2020, Effect of temperature on agonistic behavior and energy metabolism of the swimming crab *Portunus trituberculatus*, *Aquaculture*, 516: 734573.
<https://doi.org/10.1016/j.aquaculture.2019.734573>
- Wang B., Yang H., Mao H., and Shi Q., 2025, Development and testing of an aquaculture environmental control system based on behavioral stress responses, *Life*, 15(12): 1809.
<https://doi.org/10.3390/life15121809>
- Wang S., Li E., Luo Z., Li X., Liu Z., Li W., Wang X., Qin J., and Chen L., 2024, Dietary yeast culture can protect against chronic heat stress by improving survival, antioxidant capacity, immune response, and gut health of juvenile Chinese mitten crab (*Eriocheir sinensis*), *Aquaculture*, 596: 741910.
<https://doi.org/10.1016/j.aquaculture.2024.741910>
- Wu J., Wan L., Li B., Zhang D., Shi H., Zhang T., Ping H., and He J., 2024, Effect of water temperature on the development of *Portunus trituberculatus* larvae in off-season breeding mode, *Crustaceana*, 97(3-4): 201-220.
<https://doi.org/10.1163/15685403-bja10350>
- Xie X., Zhang B., Wang X., Jiang Y., Buchmann K., Zhou S., Li Y., Yin F., and Galindo-Villegas J., 2025, A machine learning-driven early warning system for cryptocaryoniasis in marine aquaculture, *Parasites and Vectors*, 18(1): 490.
<https://doi.org/10.1186/s13071-025-07124-z>
- Xiong T., Mu C., Wang C., Sun P., He J., Shi C., and Ye Y., 2024, Environmental enrichment improves survival and growth of *Portunus trituberculatus* in recirculating aquaculture system by reducing energy expenditure and stress responses, *Aquaculture*, 584: 740544.
<https://doi.org/10.1016/j.aquaculture.2024.740544>
- Yao S., Liu H., Zhang D., Chen Y., Li S., He J., and Xu W., 2025, The potential influence of clams on water quality improvement in mariculture ponds: a comprehensive assessment utilizing single-factor and water quality index methods, *Aquaculture International*, 33(2): 143.
<https://doi.org/10.1007/s10499-025-01829-9>
- Yin L., Fu L., Wu H., Xia Q., Jiang Y., Tan J., and Guo Y., 2021, Modeling dissolved oxygen in a crab pond, *Ecological Modelling*, 440: 109385.
<https://doi.org/10.1016/j.ecolmodel.2020.109385>
- Zein M.I., Mujiyanti I.S.F., Pratama I.P.E.W., Darmawan T.R., and Lokswara R., 2023, Monitoring and control system for pH and temperature of water quality on the vertical mud crab cultivation, *Proceedings of the 2023 International Conference on Advanced Mechatronics, Intelligent Manufacture and Industrial Automation (ICAMIMIA)*, 2023: 1-6.
<https://doi.org/10.1109/icamimia60881.2023.10427614>
- Zhan W., Peng H., Xie S., Deng Y., Zhu T., Cui Y., Cao H., Tang Z., Jin M., and Zhou Q.-C., 2024, Dietary lauric acid promoted antioxidant and immune capacity by improving intestinal structure and microbial population of swimming crab (*Portunus trituberculatus*), *Fish and Shellfish Immunology*, 151: 109739.
<https://doi.org/10.1016/j.fsi.2024.109739>