

Marcy N. Wilder

Scientific publications in journals

- 1) Okutsu, T., Kang, B.J., Miwa, M., Yoshizaki, G., Maeno, Y., and Wilder, M.N. (2010). Molecular cloning and characterization of *Dmcl*, a gene involved in gametogenesis, from the whiteleg shrimp *Litopenaeus vannamei*. *Fisheries Science*, 76: 961-969.
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- 3) Huong, D.T.T., Jasmani, S., Jayasankar, V., and Wilder, M.N. (2010). Na/K-ATPase activity and osmo-ionic regulation in adult whiteleg shrimp *Litopenaeus vannamei* exposed to low salinities, *Aquaculture*, 304: 88-94.
- 4) Matsuda, K., and Wilder, M.N. (2010). Difference in light perception capability and spectral response between juveniles and sub-adults of the whiteleg shrimp *Litopenaeus vannamei* as determined by electroretinogram (ERG), *Fisheries Science*, 76: 633-641.
- 5) Jasmani, S., Jayasankar, V., Shinji, J., and Wilder, M.N. (2010). Carbonic anhydrase and Na/K-ATPase activities during the molt cycle of low salinity-reared white shrimp *Litopenaeus vannamei*, *Fisheries Science*, 76: 219-225.
- 6) Matsuda, K., Nohara, S., Nomura, T., and Wilder, M.N. (2010). A basic study to determine the barrier effect of an air bubble curtain in the whiteleg shrimp, *Litopenaeus vannamei*, *Nippon Suisan Gakkaishi* (in Japanese), 76: 210-212.
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- 8) Jayasankar, V., Jasmani, S., Nomura, T., Nohara, S., and Wilder, M.N. (2009). Low salinity rearing of the Pacific white shrimp *Litopenaeus vannamei*: Acclimation, survival and growth of postlarvae and juveniles. *Japan Agricultural Research Quarterly (JARQ)*, 43: 345-350.
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- 10) Mekuchi, M., Ohira, T., Kawazoe, I., Jasmani, S., Suitoh, K., Kim, Y.K., Jayasankar, V., Nagasawa, H., and Wilder, M.N. (2008). Characterization and expression of the putative ovarian lipoprotein receptor in the kuruma prawn, *Marsupenaeus japonicus*. *Zoological Science*, 25: 428-437.
- 11) Jasmani, S., Jayasankar, V., and Wilder, M.N. (2008). Carbonic anhydrase and Na/K-ATPase activities at different molting stages of the giant freshwater prawn *Macrobrachium rosenbergii*. *Fisheries Science*, 74: 488-493.
- 12) Kim, K.Y., Kawazoe, I., Jasmani, S., Ohira, T., Wilder, M.N., Kaneko, T., and Aida, K. (2007). Molecular cloning and characterization of cortical rod protein in giant freshwater prawn *Macrobrachium rosenbergii*, a species not forming cortical structures in the oocytes. *Comparative Biochemistry and Physiology, Part B*. 148: 184-191.

- 13) Tsutsui, N., Ohira, T., Kawazoe, I., Takahashi, A., and Wilder, M.N. (2007). Purification of sinus gland peptides having vitellogenesis-inhibiting activity from the whiteleg shrimp *Litopenaeus vannamei*. *Marine Biotechnology*, 9: 360-369.
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- 16) Ohira, T., Tsutsui, N., Nagasawa, H. and Wilder, M.N. (2006). Preparation of two recombinant crustacean hyperglycemic hormone isoforms from the giant freshwater prawn *Macrobrachium rosenbergii* and their biological activities. *Zoological Science*, 23: 383-391
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- 21) Tsutsui, N., Kim, Y.K., Jasmani, S., Ohira, T., Wilder, M.N., and Aida, K. (2005). The dynamics of vitellogenin gene expression differs between intact and eyestalk ablated kuruma prawn, *Penaeus (Marsupenaeus) japonicus*. *Fisheries Science*: 71: 249-256.
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[Research papers]

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