

研究業績

原著論文

- 1) Itioka, T., Inoue, T., Matsumoto, T. and Ishida, N. : Biological control by two exotic parasitoids, eight-year population dynamics and life table tables of the arrowhead scale. ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA 85, 65-74 (1997)
- 2) Matsumoto, T., Itioka T. and Nishida T. : Fitness cost of parasitoid avoidance behavior in the arrowhead scale, *Unaspis yanonensis*. ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA 105, 83-88 (2002)
- 3) Matsumoto, T., Itioka, T., Nishida, T. and Inoue, T. : Introduction of parasitoids has maintained a stable population of arrowhead scales at extremely low levels. ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA 106, 115-126 (2003)
- 4) Matsumoto, T., Itioka T. and Nishida T. : Rapid change in the settling behavior of the arrowhead scale *Unaspis yanonensis* as an avoidance mechanism against introduced parasitoids, *Aphytis yanonensis* and *Coccobius fulvus*. ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA 107, 105-113 (2003)
- 5) Matsumoto, T., Itioka, T., Nishida, T. and Kaneko S. : Is one parasitoid enough? A comparative test of one or a pair of parasitoid species in the biological control of arrowhead scales. Population Ecology 45, 61-66 (2003)
- 6) Matsumoto, T., Itioka T. and Nishida T. : Cascading effect of a specialist parasitoid on plant biomass in a *Citrus* agroecosystem. Ecological Research 18, 651-659 (2003)
- 7) Matsumoto, T., Itioka T. and Nishida T. : Why arrowhead scales, *Unaspis yanonensis* Kuwana (Homoptera: Diaspididae), which burrow and settle below conspecifics can successfully avoid attacks by its parasitoid, *Coccobius fulvus* Compere et Annecke (Hymenoptera: Aphelinidae)? Journal of Applied Entomology and Zoology 39 147-154 (2004)
- 8) Matsumoto, T., Itioka, T., Nishida, T. and Inoue, T. : A test of temporal and spatial density dependence in the parasitism rates of introduced parasitoids on host, the arrowhead scale (*Unaspis yanonensis*) in stable host-parasitoids system. Journal of Applied Entomology 128, 266-272 (2004)

- 9) Matsumoto, T., Itioka T. and Nishida T. : Is Spatial Density-Dependent Parasitism Necessary for Successful Biological Control? Testing a Stable Host-Parasitoid System. ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA 110, 191-200 (2004)
- 10) Tuda, M., Matsumoto T., Itioka T., Ishida N., Takanashi M., Ashihara W., Kohyama M. and Takagi M. : Climatic and inter-trophic effects detected in 10-year population dynamics of biological control of arrowhead scale by parasitoids in southwestern Japan. Population Ecology 48, 59-70 (2006)
- 11) Hamaguchi, K., Matsumoto T., Maruyama M., Hashimoto Y., Yamane S. and Itioka T. Isolation and characterization of eight microsatellite loci in two morphotypes of the Southeast Asian army ant, *Aenictus laeviceps*. Molecular Ecology Notes 7, 984-986 (2007)
- 12) Takakura, K., Nishida T., Matsumoto T. and Nishida S. Alien dandelion reduces the seed-set of a native congener through frequency-dependent and one-sided effects. Biological Invasions (in press) DOI 10.1007/s10530-008-9309-z
- 13) Sawada H., Masumono Y., Matsumoto T. and Nishida T. Comparisons of cocoon density and survival processes of the blue-striped nettle grub moth *Parasa lepida* (Cramer) between the deciduous and evergreen trees. Japanese Journal of Environmental Entomology and Zoology 19: 59-67(2008)
- 14) Sawada H., Shimomura S., Nishida T. and Matsumoto T. Causes of larval mortality in relation to host plant quality in the invasive grub moth, *Parasa lepida* (Cramer). Japanese Journal of Environmental Entomology and Zoology 19: 69-78 (2008)
- 15) Matsumoto T., Itioka T., Yamane Sk., Momose K. Traditional land use associated with swidden agriculture changes encounter rates of the top predator, the army ant, in Southeast Asian tropical rain forests. Biodiversity and Conservation (in press) DOI 10.1007/s10531-009-9632-4

著書

市岡孝郎・松本崇 捕食寄生者-寄主系の低密度安定機構 「生物間相互作用と外注管理」安田弘法・城所隆・田中幸一編 京都大学学術出版会 p45-68.

その他

Matsumoto T., Itioka T., Yamane Sk. Effect of traditional forest use on colony numbers of army ant. 総合地球環境研究所森林オプションプロジェクト報告書 (in press)