

List of Takao Itioka's publications (- Sep. 2016)

(1) Book sections

1. Itioka, T. (1993) An analysis of interactive webs of scale insects, their host plants and natural enemies. In "Mutualism and Community Organization" (eds. Kawanabe, H., Cohen, J. E. & Iwasaki, K.), Oxford University Press. pp. 159-177.
2. 市岡孝朗 (1993) カイガラムシは生息場所をどのように選んでいるか. 「地球共生系シリーズ5 動物と植物の利用しあう関係」 (鷲谷いづみ・大串隆之 編), pp. 32-47, 平凡社, 東京.
3. 市岡孝朗 (1996) ウンシュウミカンを寄主植物とするカイガラムシ類ギルドにおける種間相互作用. 「昆虫個体群生態学の展開」 (久野英二 編), pp. 239-263, 京都大学学術出版会, 京都.
4. 市野隆雄・市岡孝朗 (2001) 生物間相互作用の歴史的過程: アリ植物をめぐる生物群集の共進化. 「群集生態学の現在」 (佐藤宏明・山本智子・安田弘法 編), pp. 353-370, 京都大学学術出版会, 京都.
5. Itioka, T., Kato, M., Kaling, H., Merdek, M., Nagamitsu, T., Sakai, S., Mohamad, S. U., Yamane, Sk., Hamid, A. A. & Inoue, T. (2003) Insect responses to general flowering in Sarawak. In "Arthropods of Tropical Forests: spatio-temporal dynamics and resource use in the canopy" (eds. Basset, Y., Novotny, V., Miller, S. E. & Kitching, R. L.), Cambridge University Press, Cambridge. pp. 126-134.
6. Itino, T., Itioka, T. & Davies, S. J. (2003) Coadaptation and coevolution of *Macaranga* trees and their symbiotic ants. In "Genes, Behaviors and Evolution of Social Insects" (eds. Kikuchi, T., Azuma, N. & Higashi, S.), Hokkaido University Press, Sapporo. pp. 281-292.
7. Itioka, T. (2005) Diversity of anti-herbivore defenses in *Macaranga*. In "Pollination Ecology and the Rain Forest: Sarawak Studies" (eds. Roubik, D. W., Sakai, S. & Karim, A. A. H.), Springer, New York. pp. 158-171.
8. Nakagawa, M., Itioka, T., Momose, K. & Nakashizuka, T. (2005) Insect predators of dipterocarp seeds. In "Pollination Ecology and the Rain Forest: Sarawak Studies" (eds. Roubik, D. W., Sakai, S. & Karim, A. A. H.), Springer, New York. pp. 145-157.
9. 市岡孝朗 (2007) 熱帯雨林の林冠アリ. 「ナチュラルヒストリーの時間」 (大学出版部協会 編), pp. 90-94, 大学出版部協会, 東京.
10. 市岡孝朗 (2008) 環境と生態系: なぜ熱帯雨林を守らなければならないのか. 「地球環境学へのアプローチ」 (京都大学地球環境学研究会 編), pp. 190-204, 丸善, 東京.
11. 市岡孝朗・松本崇 (2009) 捕食寄生者-寄主系の低密度安定化機構. 「生物間相互作用と害虫管理」 (安田弘法・城所隆・田中幸一 編), pp. 45-68, 京都大学学術出版会, 京都.
12. 市岡孝朗 (2009) 生物群集のキーストン: アリの役割. 「シリーズ群集生態学3 生物間ネットワークを紐とく」 (大串隆之・近藤倫生・難波利幸 編), pp. 123-149, 京都大学学術出版会, 京都.
13. Takano, K.T., Nakagawa, M., Itioka, T., Kishimoto-Yamada, K., Yamashita, S., Tanaka, H.O., Fukuda, D., Nagamasu, H., Ichikawa, M., Kato, Y., Momose, K., Nakashizuka, T. & Sakai, S. (2014) The extent of biodiversity recovery during reforestation after swidden cultivation and the impacts of land-use changes on the biodiversity of a tropical rainforest region in Borneo. In "Social-Ecological System in Transition" (eds. Sakai, S. & Umetsu, C.) (Global Environmental Series). Springer, Tokyo. pp. 27-49 (XV, 185 p. 72 illus., 39 illus. in color, ISBN 978-4-431-54909-3)
14. 市岡孝朗 (2015) ボルネオにおける森林劣化に伴うチョウ類多様性の変化. 「熱帯アジアの

(2) Original papers

(with peer review)

1. 市岡孝朗・井上民二 (1989) 柑橘に寄生するカイガラムシに関する生態学的研究. I. 温州ミカンに寄生するカイガラムシ3種のグレイド法による密度推定. 日本応用動物昆虫学会誌 33: 76-81.
2. Itioka, T. & Inoue, T. (1991) Settling-site selection and survival of two scale insects, *Ceroplastes rubens* and *C. ceriferus*, on citrus trees. *Researches on Population Ecology* 33: 69-85.
3. Itioka, T., Inoue, T. & Ishida, N. (1992) A ten-year study of population dynamics of citrus pests in the pesticide-reduced orchard. *Researches on Population Ecology* 34: 227-247.
4. Itioka, T. & Inoue, T. (1996) Density-dependent ant attendance and its effects on the parasitism of a honeydew-producing scale insect, *Ceroplastes rubens*. *Oecologia* 106: 448-454.
5. Itioka, T. & Inoue, T. (1996) The consequences of ant-attendance to the biological control of the red wax scale insect *Ceroplastes rubens* by *Anicetus beneficus*. *Journal of Applied Ecology* 33: 609-618.
6. Itioka, T. & Inoue, T. (1996) The role of predators and attendant ants in the regulation and persistence of a population of the citrus mealybug *Pseudococcus citriculus* in a Satsuma orange orchard. *Applied Entomology and Zoology* 31: 195-202.
7. Hashimoto, Y., Yamane, Sk. & Itioka, T. (1997) A preliminary study on dietary habits of ants in a Bornean rain forest. *Japanese Journal of Entomology* 65: 688-695.
8. Itioka, T., Inoue, T., Matsumoto, T. & Ishida, N. (1997) Biological control by two exotic parasitoids: eight-year population dynamics and life tables of the arrowhead scale. *Entomologia Experimentalis et Applicata* 85: 65-74.
9. Mizuno, M., Itioka, T., Tatematsu, Y. & Itô, Y. (1997) Food utilization of aphidophagous hoverfly larvae (Diptera: Syrphidae, Chamaemyiidae) on herbaceous plants in an urban habitat. *Ecological Research* 12: 239-248.
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11. Itioka, T. & Inoue, T. (1999) The alternation of mutualistic ant species affects the population growth of their trophobiont mealybug. *Ecography* 22: 169-177.
12. Itioka, T., Nomura, M., Inui, Y., Itino, T. & Inoue, T. (2000) Difference in intensity of ant defense among three species of *Macaranga* myrmecophyte in a Southeast Asian dipterocarp forest. *Biotropica* 32: 318-326.
13. Nomura, M., Itioka, T. & Itino, T. (2000) Variations in abiotic defense within myrmecophytic and non-myrmecophytic species of *Macaranga* in a Bornean dipterocarp forest. *Ecological Research* 15: 1-11.
14. Murase, K. Kinomura, K. & Itioka, T. (2000) Difference in queen size distribution and monogyny / polygyny frequencies between two sibling species of *Leptothorax* ant (Hymenoptera: Formicidae). *Sociobiology* 20: 53-62.
15. Kato, M., Itioka, T., Sakai, S., Momose, K., Yamane, S., Hamid, A. A. & Inoue, T. (2000) Various

population fluctuation patterns of light-attracted beetles in a tropical lowland dipterocarp forest in Sarawak. *Population Ecology* 42: 97-104.

16. Yamamoto, T., Yata, O. & Itioka, T. (2000) Descriptions on the early stages of *Chilasa paradoxa* (Zinken, 1831) from North Borneo (Lepidoptera: Papilionidae). *Entomological Science* 3: 627-633.
17. Itioka, T., Inoue, T., Kaliang, H., Kato, M., Nagamitsu, T., Momose, K., Sakai, S., Yumoto, T., Mohamad, S. U., Hamid, A. A. & Yamane, Sk. (2001) Six-year population fluctuation of the giant honey bee *Apis dorsata* F. (Hymenoptera: Apidae) in a tropical lowland dipterocarp forest in Sarawak. *Annals of the Entomological Society of America* 94(4): 545-549.
18. Itino, T. & Itioka, T. (2001) Interspecific variation and ontogenetic change in anti-herbivore defense in myrmecophytic *Macaranga* species. *Ecological Research* 16: 765-774.
19. Itino, T., Itioka, T., Hatada, A. & Hamid, A. A. (2001) Effects of food rewards offered by ant-plant *Macaranga* on the colony size of ants. *Ecological Research* 16: 775-786.
20. Inui, Y., Itioka, T., Murase, K., Yamaoka, R. & Itino, T. (2001) Chemical recognition of partner plant species by foundress ant queens in *Macaranga-Crematogaster* myrmecophytism. *Journal of Chemical Ecology* 27: 2029-2040.
21. Itino, T., Davies, S. J., Tada, H., Hieda, Y., Inoguchi, M., Itioka, T., Yamane, S. & Inoue, T. (2001) Cospeciation of ants and plants. *Ecological Research* 16: 787-793.
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23. Hatada, A., Ishiguro, S., Itioka, T. & Kawano, S. (2001) Myrmecosymbiosis in the Bornean *Macaranga* species with special reference to food bodies (Beccarian bodies) and extrafloral nectaries. *Plant Species Biology* 16: 241-246.
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25. Nomura, M. & Itioka, T. (2002) Effects of synthesized tannin on the growth and survival of a generalist herbivorous insect, the common cutworm, *Spodoptera litura* (Lepidoptera: Noctuidae). *Applied Entomology and Zoology* 37: 285-289.
26. Hatada, A., Itioka, T., Yamaoka, R. & Itino, T. (2002) Carbon and nitrogen content of food bodies in three myrmecophytic species of *Macaranga*. *Journal of Plant Research*, 115: 179-184.
27. Matsumoto, T., Itioka, T. & Nishida, T. (2002) Fitness cost of parasitoid avoidance behavior in the arrowhead scale, *Unaspis yanonensis* Kuwana. *Entomologia Experimentalis et Applicata* 105: 83-88.
28. Matsumoto, T., Itioka, T., Nishida, T. & Inoue, T. (2003) Introduction of parasitoids has maintained a stable population of arrowhead scale at extremely low levels. *Entomologia Experimentalis et Applicata* 106: 115-125.
29. Matsumoto, T., Itioka, T. & Nishida, T. (2003) 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.
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31. Nakagawa, M., Itioka, T., Momose, K., Yumoto, T., Komai, F., Morimoto, K., Jordal, B. H., Kato, M., Kaliang, H., Hamid, A. A., Inoue, T. & Nakashizuka, T. (2003) Resource use of insect seed

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 33. Murase, K., Itioka, T., Nomura, M. & Yamane, S. (2003) Intraspecific variation in the status of ant symbiosis on a myrmecophyte, *Macaranga bancana*, between primary and secondary forests in Borneo. *Population Ecology* 45: 221-226.
 34. Matsumoto, T., Itioka, T., Nishida, T. & Inoue, T. (2004) 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: 267-272.
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 43. Kishimoto-Yamada, K. & Itioka, T. (2008) Consequences of a severe drought associated with an El Niño-Southern Oscillation on a light-attracted leaf-beetle (Coleoptera, Chrysomelidae) assemblage in Borneo. *Journal of Tropical Ecology* 24(2): 229-233.
 44. Kishimoto-Yamada, K. & Itioka, T. (2008) Survival of flower-visiting chrysomelids during non general-flowering periods in Bornean dipterocarp forests. *Biotropica* 40(5): 600-606.
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47. Ueda, S., Quek, S-P., Itioka, T., Inamori, K., Sato, Y., Murase, K. & Itino, T. (2008) An ancient tripartite symbiosis of plants, ants and scale insects. *Proceedings of the Royal Society B* 275: 2319-2326.
48. Kishimoto-Yamada, K., Itioka, T., Sakai, S., Momose, K., Nagamitsu, T., Kaliasang, H., Meleng, P., Chong, L., Karim, A. A. H., Yamane, S., Kato, M., Reid, C. A. M., Nakashizuka, T. & Inoue, T. (2009) Population fluctuations of light-attracted chrysomelid beetles in relation to supra-annual environmental changes in a Bornean rainforest. *Bulletin of Entomological Research* 99(3): 217-227.
49. Okubo, T., Yago, M. & Itioka, T. (2009) Immature stages and biology of Bornean *Arhopala* butterflies (Lepidoptera, Lycaenidae) feeding on myrmecophytic *Macaranga*. *Transactions of the Lepidopterological Society of Japan* 60(1): 37-51.
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57. Hyodo, F., Matsumoto, T., Takematsu, Y., Kamoi, T., Fukuda, D., Nakagawa, M. & Itioka, T. (2010) The structure of a food web in a tropical rain forest in Malaysia based on carbon and nitrogen stable isotope ratios. *Journal of Tropical Ecology* 26(2): 205-214.
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