

# Takehito Yoshida

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

3,287

citations

23

h-index

57

g-index

69

ext. papers

3,727

ext. citations

5

avg, IF

4.85

L-index

| #  | Paper  | IF    | Citations |
|----|--|-------|-----------|
| 63 | Rapid evolution drives ecological dynamics in a predator-prey system. <i>Nature</i> , <b>2003</b> , 424, 303-6   | 50.4  | 748       |
| 62 | Rapid evolution and the convergence of ecological and evolutionary time. <i>Ecology Letters</i> , <b>2005</b> , 8, 1114-1127   | 11.27 | 651       |
| 61 | Threshold elemental ratios of carbon and phosphorus in aquatic consumers. <i>Ecology Letters</i> , <b>2006</b> , 9, 774-9  | 10    | 240       |
| 60 | Cryptic population dynamics: rapid evolution masks trophic interactions. <i>PLoS Biology</i> , <b>2007</b> , 5, e235   | 9.7   | 169       |
| 59 | Recent advances in ecological stoichiometry: insights for population and community ecology. <i>Oikos</i> , <b>2005</b> , 109, 29-39  | 4     | 147       |
| 58 | Evolutionary trade-off between defence against grazing and competitive ability in a simple unicellular alga, <i>Chlorella vulgaris</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 1947-1953 | 4.4   | 141       |
| 57 | REDUCED LIGHT INCREASES HERBIVORE PRODUCTION DUE TO STOICHIOMETRIC EFFECTS OF LIGHT/NUTRIENT BALANCE. <i>Ecology</i> , <b>2002</b> , 83, 619-627   | 4.6   | 104       |
| 56 | Prey evolution on the time scale of predator-prey dynamics revealed by allele-specific quantitative PCR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10690-5           | 11.5  | 84        |
| 55 | Rapid contemporary evolution and clonal food web dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 1579-91  | 5.8   | 83        |
| 54 | Herbivorous animals can mitigate unfavourable ratios of energy and material supplies by enhancing nutrient recycling. <i>Ecology Letters</i> , <b>2002</b> , 5, 177-185  | 10    | 74        |
| 53 | Comparing the effects of rapid evolution and phenotypic plasticity on predator-prey dynamics. <i>American Naturalist</i> , <b>2011</b> , 178, 287-304  | 3.7   | 57        |
| 52 | Species-rich networks and eco-evolutionary synthesis at the metacommunity level. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 24   | 12.3  | 56        |
| 51 | Assessment of Top-down and Bottom-up Forces as determinants of rotifer distribution among lakes in Ontario, Canada. <i>Ecological Research</i> , <b>2003</b> , 18, 639-650   | 1.9   | 55        |
| 50 | A DIRECT, EXPERIMENTAL TEST OF RESOURCE VS. CONSUMER DEPENDENCE. <i>Ecology</i> , <b>2005</b> , 86, 2924-2930  | 4.30  | 47        |
| 49 | Form of an evolutionary tradeoff affects eco-evolutionary dynamics in a predator-prey system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16035-40                     | 11.5  | 42        |
| 48 | Diel changes in phagotrophy by <i>Cryptomonas</i> in Lake Biwa. <i>Limnology and Oceanography</i> , <b>2000</b> , 45, 1558-1563  | 4.15  | 42        |
| 47 | Seasonal succession of zooplankton in the north basin of Lake Biwa. <i>Aquatic Ecology</i> , <b>2001</b> , 35, 19-29   | 1.9   | 39        |

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|----|--|-----|----|
| 46 | Biological invasion as a natural experiment of the evolutionary processes: introduction of the special feature. <i>Ecological Research</i> , <b>2007</b> , 22, 849-854   | 1.9 | 34 |
| 45 | Contrasting effects of a cladoceran ( <i>Daphnia galeata</i> ) and a calanoid copepod ( <i>Eodiaptomus japonicus</i> ) on algal and microbial plankton in a Japanese lake, Lake Biwa. <i>Oecologia</i> , <b>2001</b> , 129, 602-610      | 2.9 | 34 |
| 44 | Direct and indirect effects of zooplankton on algal composition in in situ grazing experiments. <i>Oecologia</i> , <b>2002</b> , 133, 356-363  | 2.9 | 33 |
| 43 | To sink or to be lysed? Contrasting fate of two large phytoplankton species in Lake Biwa. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 2775-2786  | 4.8 | 31 |
| 42 | Effects of zooplankton on the sinking flux of organic carbon in Lake Biwa. <i>Limnology</i> , <b>2001</b> , 2, 37-43   | 1.7 | 26 |
| 41 | Ecological and Evolutionary Dynamics of Experimental Plankton Communities. <i>Advances in Ecological Research</i> , <b>2005</b> , 37, 221-243  | 4.6 | 23 |
| 40 | Relative importance of biotic and abiotic factors affecting bacterial abundance in Lake Biwa: an empirical analysis. <i>Limnology</i> , <b>2001</b> , 2, 19-28   | 1.7 | 22 |
| 39 | The production-to-respiration ratio and its implication in Lake Biwa, Japan. <i>Ecological Research</i> , <b>2005</b> , 20, 367-375  | 1.9 | 20 |
| 38 | Effects of phosphorus supply on phagotrophy by the mixotrophic alga <i>Uroglena americana</i> (Chrysophyceae). <i>Aquatic Microbial Ecology</i> , <b>1999</b> , 18, 77-83  | 1.1 | 20 |
| 37 | Seasonal dynamics of primary production in the pelagic zone of southern Lake Baikal. <i>Limnology</i> , <b>2003</b> , 4, 53-62   | 1.7 | 19 |
| 36 | Nutritional diagnosis of phytoplankton in Lake Baikal. <i>Ecological Research</i> , <b>2002</b> , 17, 135-142  | 1.9 | 18 |
| 35 | Timing and propagule size of invasion determine its success by a time-varying threshold of demographic regime shift. <i>Ecology</i> , <b>2014</b> , 95, 2303-15  | 4.6 | 17 |
| 34 | Ecological stoichiometry in the microbial food web: a test of the light:nutrient hypothesis. <i>Aquatic Microbial Ecology</i> , <b>2003</b> , 31, 49-65  | 1.1 | 17 |
| 33 | Challenges for complex microbial ecosystems: combination of experimental approaches with mathematical modeling. <i>Microbes and Environments</i> , <b>2013</b> , 28, 285-94  | 2.6 | 14 |
| 32 | Toward the understanding of complex population dynamics: planktonic community as a model system. <i>Ecological Research</i> , <b>2005</b> , 20, 511-518  | 1.9 | 14 |
| 31 | Do Japanese eels recruit into the Japan Sea coast?: A case study in the Hayase River system, Fukui Japan. <i>Environmental Biology of Fishes</i> , <b>2014</b> , 97, 921-928   | 1.6 | 13 |
| 30 | Influence of connectivity, habitat quality and invasive species on egg and larval distributions and local abundance of crucian carp in Japanese agricultural landscapes. <i>Biological Conservation</i> , <b>2011</b> , 144, 2081-2087   | 6.2 | 13 |
| 29 | Heterogeneous distribution of a floating-leaved plant, <i>Trapa japonica</i> , in Lake Mikata, Japan, is determined by limitations on seed dispersal and harmful salinity levels. <i>Ecological Research</i> , <b>2014</b> , 29, 981-989 | 1.9 | 12 |

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|----|---|-----|----|
| 28 | A DIRECT, EXPERIMENTAL TEST OF RESOURCE VS. CONSUMER DEPENDENCE: REPLY. <i>Ecology</i> , <b>2007</b> , 88, 1603-1604  | 4.6 | 12 |
| 27 | Role of phytoplankton size distribution in lake ecosystems revealed by a comparison of whole plankton community structure between Lake Baikal and Lake Biwa. <i>Limnology</i> , <b>2007</b> , 8, 227-232  | 1.7 | 11 |
| 26 | Ecological stoichiometry and the shape of resource-based tradeoffs. <i>Oikos</i> , <b>2006</b> , 112, 406-411   | 4   | 11 |
| 25 | Using stable nitrogen isotopes to evaluate the relative importance of external and internal nitrogen loadings on phytoplankton production in a shallow eutrophic lake (Lake Mikata, Japan). <i>Limnology and Oceanography</i> , <b>2014</b> , 59, 37-47 | 4.8 | 10 |
| 24 | Stay cool: habitat selection of a cyclopoid copepod in a north temperate oligotrophic lake. <i>Freshwater Biology</i> , <b>2003</b> , 48, 1551-1562   | 3.1 | 10 |
| 23 | Floating-leaved macrophyte ( <i>Trapa japonica</i> ) drastically changes seasonal dynamics of a temperate lake ecosystem. <i>Ecological Research</i> , <b>2016</b> , 31, 695-707  | 1.9 | 10 |
| 22 | A shady phytoplankton paradox: when phytoplankton increases under low light. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285,  | 4.4 | 9  |
| 21 | Non-random spatial coupling induces desynchronization, chaos and multistability in a predator-prey-resource system. <i>Journal of Theoretical Biology</i> , <b>2012</b> , 300, 81-90  | 2.3 | 7  |
| 20 | Filling the gaps in ecological studies of socioecological systems. <i>Ecological Research</i> , <b>2017</b> , 32, 873-885   | 1.9 | 7  |
| 19 | Ecological and limnological bases for management of overgrown macrophytes: introduction to a special feature. <i>Limnology</i> , <b>2019</b> , 20, 1-2  | 1.7 | 7  |
| 18 | Contrasting effects of land-use changes on herbivory and pollination networks. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 13585-13595  | 2.8 | 6  |
| 17 | Predicting the distribution of released Oriental White Stork ( <i>Ciconia boyciana</i> ) in central Japan. <i>Ecological Research</i> , <b>2019</b> , 34, 277-285   | 1.9 | 6  |
| 16 | Analysis of the change in dominant phytoplankton species in unstratified Lake Oshima-Ohnuma estimated by a bottle incubation experiment. <i>Limnology</i> , <b>2001</b> , 2, 29-35  | 1.7 | 4  |
| 15 | Seasonal pattern and induction cues of diel vertical migration of <i>Chaoborus flavicans</i> in Lake Fukami-ike, Nagano, Japan. <i>Ecological Research</i> , <b>2015</b> , 30, 145-152  | 1.9 | 3  |
| 14 | Ecological resilience of population cycles: a dynamic perspective of regime shift. <i>Journal of Theoretical Biology</i> , <b>2015</b> , 370, 103-15  | 2.3 | 3  |
| 13 | Size-selective predation accounts for intra- and inter-specific variation of inducible morphological defense of <i>Daphnia</i> . <i>Ecosphere</i> , <b>2020</b> , 11, e03192  | 3.1 | 3  |
| 12 | Interplay between microbial trait dynamics and population dynamics revealed by the combination of laboratory experiment and computational approaches. <i>Journal of Theoretical Biology</i> , <b>2017</b> , 419, 201-210                                | 2.3 | 2  |
| 11 | An economic value for ecosystem-based disaster risk reduction using paddy fields in the kasumitei open levee system. <i>Paddy and Water Environment</i> , <b>2022</b> , 20, 215   | 1.6 | 2  |

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| 10 | Ecology: mechanisms for consumer diversity. <i>Nature</i> , <b>2006</b> , 439, E1-2; discussion E2   | 50.4 | 1 |
| 9  | Spatial heterogeneity in induced defense of <i>Brachionus calyciflorus</i> within a single lake caused by a bed of floating-leaved macrophyte <i>Trapa</i> species. <i>Limnology</i> , <b>2019</b> , 20, 29-38 | 1.7  | 1 |
| 8  | Why species richness of plants and herbivorous insects do or do not correlate. <i>Ecological Research</i> , <b>2021</b> , 36, 258-265  | 1.9  | 1 |
| 7  | A unified framework for herbivore-to-producer biomass ratio reveals the relative influence of four ecological factors. <i>Communications Biology</i> , <b>2021</b> , 4, 49                                     | 6.7  | 1 |
| 6  | Long-term dynamics of a cladoceran community from an early stage of lake formation in Lake Fukami-ike, Japan. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 1240-1253                                       | 2.8  | 1 |
| 5  | The timescale of environmental fluctuations determines the competitive advantages of phenotypic plasticity and rapid evolution. <i>Population Ecology</i> , <b>2020</b> , 62, 385-394                          | 2.1  | 0 |
| 4  | Long-term changes in morphological traits of <i>Daphnia pulex</i> in Lake Fukami-ike, Japan. <i>Limnology</i> , <b>2021</b> , 22, 329-336  | 1.7  | 0 |
| 3  | Adaptations of the Early Jomon people in their settlement relocation to climate change around Lake Mikata, Central Japan. <i>Archaeological Research in Asia</i> , <b>2018</b> , 16, 66-77                     | 1.9  | 0 |
| 2  | 4. Investigate the origin of nutrients of fisheries resources by stable isotope analysis. <i>Nippon Suisan Gakkaishi</i> , <b>2014</b> , 80, 840-840   | 0.2  |   |
| 1  | The production-to-respiration ratio and its implication in Lake Biwa, Japan <b>2005</b> , 133-141  |      |   |