



Wenyun Zuo

Basic Life Res Scientist

Biology

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Basic Life Sci Res Assoc, Biology

Publications

PUBLICATIONS

- **Distributions of LRS in varying environments.** *Ecology letters*
Tuljapurkar, S., Zuo, W., Coulson, T., Horvitz, C., Gaillard, J.
2021
- **Skewed distributions of lifetime reproductive success: beyond mean and variance.** *Ecology letters*
Tuljapurkar, S., Zuo, W., Coulson, T., Horvitz, C., Gaillard, J.
2020
- **Age distribution, trends, and forecasts of under-5 mortality in 31 sub-Saharan African countries: A modeling study.** *PLoS medicine*
Mejía-Guevara, I., Zuo, W., Bendavid, E., Li, N., Tuljapurkar, S.
2019; 16 (3): e1002757
- **Advancing front of old-age human survival.** *Proceedings of the National Academy of Sciences of the United States of America*
Zuo, W., Jiang, S., Guo, Z., Feldman, M. W., Tuljapurkar, S.
2018; 115 (44): 11209–14
- **Susceptibility of wild and colonized *Anopheles stephensi* to *Plasmodium vivax* infection** *MALARIA JOURNAL*
Mohanty, A., Nina, P., Ballav, S., Vernekar, S., Parkar, S., D'souza, M., Zuo, W., Gomes, E., Chery, L., Tuljapurkar, S., Valecha, N., Rathod, P. K., Kumar, et al
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- **Demographic and clinical profiles of *Plasmodium falciparum* and *Plasmodium vivax* patients at a tertiary care centre in southwestern India** *MALARIA JOURNAL*
Chery, L., Maki, J. N., Mascarenhas, A., Walke, J. T., Gawas, P., Almeida, A., Fernandes, M., Vaz, M., Ramanan, R., Shirodkar, D., Bernabeu, M., Manoharan, S. K., Pereira, et al
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- **Distinct genomic architecture of *Plasmodium falciparum* populations from South Asia.** *Molecular and biochemical parasitology*
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2016
- **A Life-History Approach to the Late Pleistocene Megafaunal Extinction** *AMERICAN NATURALIST*
Zuo, W., Smith, F. A., Charnov, E. L.
2013; 182 (4): 524-531

- **The Macroecology of Sustainability** *PLOS BIOLOGY*
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2012; 10 (6)
- **Insights into plant size-density relationships from models and agricultural crops** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Deng, J., Zuo, W., Wang, Z., Fan, Z., Ji, M., Wang, G., Ran, J., Zhao, C., Liu, J., Niklas, K. J., Hammond, S. T., Brown, J. H.
2012; 109 (22): 8600-8605
- **A general model for effects of temperature on ectotherm ontogenetic growth and development** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Zuo, W., Moses, M. E., West, G. B., Hou, C., Brown, J. H.
2012; 279 (1734): 1840-1846
- **Rensch's Rule in Large Herbivorous Mammals Derived from Metabolic Scaling** *AMERICAN NATURALIST*
Sibly, R. M., Zuo, W., Kodric-Brown, A., Brown, J. H.
2012; 179 (2): 169-177
- **Growth, mortality, and life-history scaling across species** *EVOLUTIONARY ECOLOGY RESEARCH*
Charnov, E. L., Zuo, W.
2011; 13 (6): 661-664
- **Human hunting mortality threshold rules for extinction in mammals (and fish)** *EVOLUTIONARY ECOLOGY RESEARCH*
Charnov, E. L., Zuo, W.
2011; 13 (4): 431-437
- **Energetic Limits to Economic Growth** *BIOSCIENCE*
Brown, J. H., Burnside, W. R., Davidson, A. D., DeLong, J. P., Dunn, W. C., Hamilton, M. J., Mercado-Silva, N., Nekola, J. C., Okie, J. G., Woodruff, W. H., Zuo, W.
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- **Energy Uptake and Allocation During Ontogeny** *SCIENCE*
Hou, C., Zuo, W., Moses, M. E., Woodruff, W. H., Brown, J. H., West, G. B.
2008; 322 (5902): 736-739
- **GeoSVM: an efficient and effective tool to predict species' potential distributions** *JOURNAL OF PLANT ECOLOGY*
Zuo, W., Lao, N., Geng, Y., Ma, K.
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- **Revisiting a model of ontogenetic growth: Estimating model parameters from theory and data** *AMERICAN NATURALIST*
Moses, M. E., Hou, C., Woodruff, W. H., West, G. B., Nekola, J. C., Zuo, W., Brown, J. H.
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