

Stanford



Wenyun Zuo

Basic Life Res Scientist

Biology

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Basic Life Sci Res Assoc, Biology

Publications

PUBLICATIONS

- **How the demographic transition affects kinship networks: A formal demographic approach** *DEMOGRAPHIC RESEARCH*
Jiang, S., Zuo, W., Guo, Z., Caswell, H., Tuljapurkar, S.
2023; 48: 899-930
- **Hurricanes affect diversification among individual life courses of a primate population.** *The Journal of animal ecology*
Diaz, A. A., Steiner, U. K., Tuljapurkar, S., Zuo, W., Hernández-Pacheco, R.
2023
- **Reproductive dispersion and damping time scale with life-history speed.** *Ecology letters*
Jiang, S., Jaggi, H., Zuo, W., Oli, M. K., Coulson, T., Gaillard, J. M., Tuljapurkar, S.
2022
- **Mutations and the Distribution of Lifetime Reproductive Success** *JOURNAL OF THE INDIAN INSTITUTE OF SCIENCE*
Tuljapurkar, S., Zuo, W.
2022
- **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
2018; 17: 225

- **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
2016; 15
- **Distinct genomic architecture of Plasmodium falciparum populations from South Asia.** *Molecular and biochemical parasitology*
Kumar, S., Mudeppa, D. G., Sharma, A., Mascarenhas, A., Dash, R., Pereira, L., Shaik, R. B., Maki, J. N., White, J., Zuo, W., Tuljapurkar, S., Duraisingham, M. T., Gomes, et al
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*
Burger, J. R., Allen, C. D., Brown, J. H., Burnside, W. R., Davidson, A. D., Fristoe, T. S., Hamilton, M. J., Mercado-Silva, N., Nekola, J. C., Okie, J. G., Zuo, W.
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.
2011; 61 (1): 19-26
- **Response to Comments on "Energy Uptake and Allocation During Ontogeny"** *SCIENCE*
Zuo, W., Moses, M. E., Hou, C., Woodruff, W. H., West, G. B., Brown, J. H.
2009; 325 (5945)
- **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.
2008; 1 (2): 143-145
- **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.

