

Brief Introduction

(As of 12-31-2024)

Positions

- George Lynn Cross Research Professor and Presidential Professor in School of Biological Sciences, School of Civil Engineering and Environmental Sciences, School of Computer Science
- Director for the Institute for Environmental Genomics, University of Oklahoma, Norman, OK.
- Adjunct Senior Scientist at Earth and Environmental Sciences, Lawrence Berkeley National Laboratory, Berkeley, CA,
- Adjunct Professor at School of Environment, Tsinghua University, Beijing, China.

Awards

- Distinguished Scientist Award by Southeastern Universities Research Association (SURA) (for recognizing scientists who are performing world-leading research)
- Inaugural Lifetime Achievement Award from University of Oklahoma for recognizing exceptional and innovative research and creative activity contributions.
- ISME-IWA BioCluster Grand Prize Award - for recognizing the importance and impact of interdisciplinary research at the interface of microbial ecology and water/wastewater treatment in 2022
- The 2022 Soil Science Research Award - for recognizing outstanding research contributions in soil science
- The 2019 ASM Award for Environmental Research - for recognizing an outstanding scientist with distinguished research achievements in microbial ecology and environmental microbiology.
- DOE's Ernest Orlando Lawrence Award in 2014 – one of the highest honors presented by the U.S. government in science
- R&D 100 Award in 2009, as one of 100 most innovative scientific and technological breakthroughs in 2009
- Presidential Early Career Award for Scientists and Engineers in 2001

Publications

- > 700 peer reviewed research articles
- ~50 in *Science*, *Nature*-branded journals, and *PNAS*
- > 200 in Nature indexed journals and other prestigious journals,
- Total citations of > 87,000, H-index of 155 based on Google Scholar

Scientific Impacts

- 2019-2024 World's most cited researcher (top 0.1%) across all science & engineering fields among >10.2M scientists.
- 2018-2024, Global Highly Cited Researcher (top 0.1%) in **both** Microbiology, and Environment & ecology, fewer than <6,9000 scholars across 21 research fields worldwide. Only 6% of the recognized researchers have the additional distinction of ranking among two categories.
- Most highly cited researcher (H-index > 100) according to Google Scholar Citations.
- Among the 2021 Reuters List of World's Top 1000 Climate Scientists (The only microbiologist among the list).
- Best Scientist in the field of Ecology and Evolution: ranked at top #30 worldwide and #14 nationally in the area of ecology and evolution, at top #38 worldwide and #20 nationally in the area of microbiology.

Editors

- Co Editor-in-Chief for mLife

- Associate Editor for Microbiome
- A former Senior Editor for ISME J, primer journal in microbial ecology
- A former Senior Editor for mBio for 10 years, ASM flagship journal
- A former Editor for Applied and Environmental Microbiology for 10 years.

Members/Fellows

- Academia Europaea (MAE)
- American Academy of Arts and Sciences (AAA&S)
- American Academy of Microbiology (AAM)
- Ecological Society of America (ESA)
- Soil Science Society of America (SSSA)
- International Water Association (IWA)
- American Association for the Advancement of Science (AAAS).