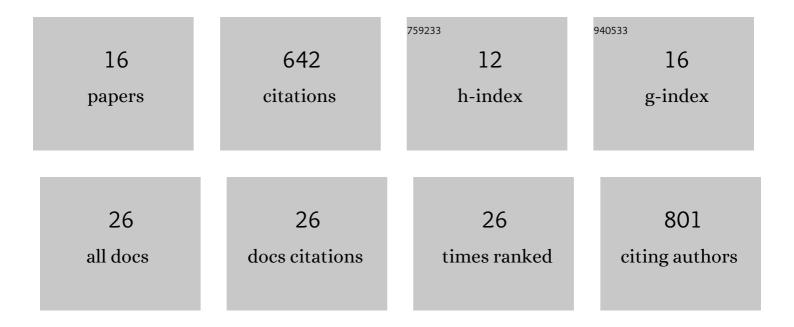
## **Robert Marsland Iii**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4792917/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Dynamics of phosphoinositide conversion in clathrin-mediated endocytic traffic. Nature, 2017, 552, 410-414.	27.8	119
2	Available energy fluxes drive a transition in the diversity, stability, and functional structure of microbial communities. PLoS Computational Biology, 2019, 15, e1006793.	3.2	101
3	A minimal model for microbial biodiversity can reproduce experimentally observed ecological patterns. Scientific Reports, 2020, 10, 3308.	3.3	56
4	The in vivo genetic program of murine primordial lung epithelial progenitors. Nature Communications, 2020, 11, 635.	12.8	46
5	Environmental boundary conditions for the origin of life converge to an organo-sulfur metabolism. Nature Ecology and Evolution, 2019, 3, 1715-1724.	7.8	41
6	Effect of Resource Dynamics on Species Packing in Diverse Ecosystems. Physical Review Letters, 2020, 125, 048101.	7.8	39
7	The thermodynamic uncertainty relation in biochemical oscillations. Journal of the Royal Society Interface, 2019, 16, 20190098.	3.4	32
8	The Community Simulator: A Python package for microbial ecology. PLoS ONE, 2020, 15, e0230430.	2.5	31
9	The Minimum Environmental Perturbation Principle: A New Perspective on Niche Theory. American Naturalist, 2020, 196, 291-305.	2.1	26
10	Diverse communities behave like typical random ecosystems. Physical Review E, 2021, 104, 034416.	2.1	26
11	Limits of predictions in thermodynamic systems: a review. Reports on Progress in Physics, 2018, 81, 016601.	20.1	25
12	Constrained optimization as ecological dynamics with applications to random quadratic programming in high dimensions. Physical Review E, 2019, 99, 052111.	2.1	17
13	Niche Theory for Mutualism: A Graphical Approach to Plant-Pollinator Network Dynamics. American Naturalist, 2021, 197, 393-404.	2.1	16
14	Time and irreversibility in axiomatic thermodynamics. American Journal of Physics, 2015, 83, 628-634.	0.7	9
15	Tregs self-organize into a computing ecosystem and implement a sophisticated optimization algorithm for mediating immune response. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2011709118.	7.1	4
16	Machine learning as ecology. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 334001.	2.1	4