

# Simon van Vliet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8393526/publications.pdf>

Version: 2024-02-01

18  
papers

623  
citations

933447

10  
h-index

888059

17  
g-index

28  
all docs

28  
docs citations

28  
times ranked

794  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-range interactions govern the dynamics and functions of microbial communities. <i>Nature Ecology and Evolution</i> , 2020, 4, 366-375.	7.8	172
2	Emergent microscale gradients give rise to metabolic cross-feeding and antibiotic tolerance in clonal bacterial populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190080.	4.0	74
3	The role of multilevel selection in host microbiome evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20591-20597.	7.1	72
4	Spatially Correlated Gene Expression in Bacterial Groups: The Role of Lineage History, Spatial Gradients, and Cell-Cell Interactions. <i>Cell Systems</i> , 2018, 6, 496-507.e6.	6.2	59
5	Enhancement of quasiparticle recombination in Ta and Al superconductors by implantation of magnetic and nonmagnetic atoms. <i>Physical Review B</i> , 2009, 79, .	3.2	38
6	Metabolic activity affects the response of single cells to a nutrient switch in structured populations. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190182.	3.4	36
7	Bacterial Dormancy: How to Decide When to Wake Up. <i>Current Biology</i> , 2015, 25, R753-R755.	3.9	27
8	Bet-hedging in bacteriocin producing <i>Escherichia coli</i> populations: the single cell perspective. <i>Scientific Reports</i> , 2017, 7, 42068.	3.3	26
9	The effects of chemical interactions and culture history on the colonization of structured habitats by competing bacterial populations. <i>BMC Microbiology</i> , 2014, 14, 116.	3.3	22
10	Bacterial Ventures into Multicellularity: Collectivism through Individuality. <i>PLoS Biology</i> , 2015, 13, e1002162.	5.6	22
11	Global dynamics of microbial communities emerge from local interaction rules. <i>PLoS Computational Biology</i> , 2022, 18, e1009877.	3.2	13
12	Generality of associations between biological richness and the rates of metabolic processes across microbial communities. <i>Environmental Microbiology</i> , 2018, 20, 4356-4368.	3.8	11
13	Frequency modulation of a bacterial quorum sensing response. <i>Nature Communications</i> , 2022, 13, 2772.	12.8	10
14	Multilevel selection favors fragmentation modes that maintain cooperative interactions in multispecies communities. <i>PLoS Computational Biology</i> , 2021, 17, e1008896.	3.2	9
15	Stochastic gene expression: bacterial elites in chemotaxis. <i>Molecular Systems Biology</i> , 2017, 13, 909.	7.2	4
16	Microfluidics for Single-Cell Study of Antibiotic Tolerance and Persistence Induced by Nutrient Limitation. <i>Methods in Molecular Biology</i> , 2021, 2357, 107-124.	0.9	3
17	Quasiparticle relaxation in high Q superconducting resonators. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052016.	0.4	0
18	Reply to Daybog and Kolodny: Necessary requirements for holobiont-level selection are robust to model assumptions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11864-11864.	7.1	0