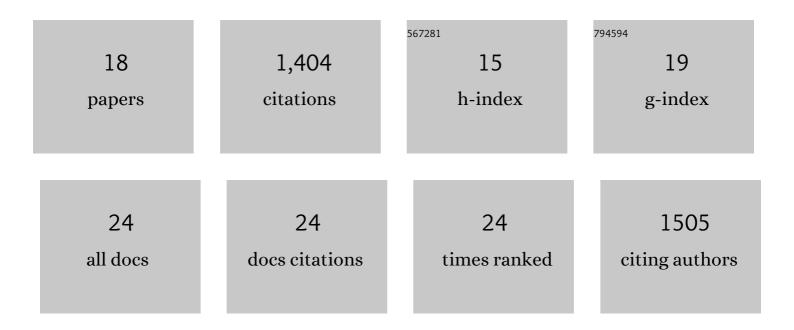
Raimo Hartmann

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4753116/publications.pdf Version: 2024-02-01



RAIMO HADTMANN

#	Article	IF	CITATIONS
1	Dynamic biofilm architecture confers individual and collective mechanisms of viral protection. Nature Microbiology, 2018, 3, 26-31.	13.3	231
2	Emergence of three-dimensional order and structure in growing biofilms. Nature Physics, 2019, 15, 251-256.	16.7	211
3	Division of Labor during Biofilm Matrix Production. Current Biology, 2018, 28, 1903-1913.e5.	3.9	203
4	Quantitative image analysis of microbial communities with BiofilmQ. Nature Microbiology, 2021, 6, 151-156.	13.3	181
5	Learning the space-time phase diagram of bacterial swarm expansion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1489-1494.	7.1	86
6	Vibrio cholerae Combines Individual and Collective Sensing to Trigger Biofilm Dispersal. Current Biology, 2017, 27, 3359-3366.e7.	3.9	83
7	Breakdown of Vibrio cholerae biofilm architecture induced by antibiotics disrupts community barrier function. Nature Microbiology, 2019, 4, 2136-2145.	13.3	64
8	Structural dynamics of RbmA governs plasticity of Vibrio cholerae biofilms. ELife, 2017, 6, .	6.0	57
9	BacStalk: A comprehensive and interactive image analysis software tool for bacterial cell biology. Molecular Microbiology, 2020, 114, 140-150.	2.5	53
10	Flow-Induced Symmetry Breaking in Growing Bacterial Biofilms. Physical Review Letters, 2019, 123, 258101.	7.8	41
11	Spatial alanine metabolism determines local growth dynamics of Escherichia coli colonies. ELife, 2021, 10, .	6.0	36
12	Cell adhesion and fluid flow jointly initiate genotype spatial distribution in biofilms. PLoS Computational Biology, 2018, 14, e1006094.	3.2	31
13	Kin discrimination in social yeast is mediated by cell surface receptors of the Flo11 adhesin family. ELife, 2020, 9, .	6.0	30
14	Privatization of Biofilm Matrix in Structurally Heterogeneous Biofilms. MSystems, 2020, 5, .	3.8	27
15	NosP Signaling Modulates the NO/H-NOX-Mediated Multicomponent c-Di-GMP Network and Biofilm Formation in <i>Shewanella oneidensis</i> . Biochemistry, 2019, 58, 4827-4841.	2.5	21
16	Single-objective high-resolution confocal light sheet fluorescence microscopy for standard biological sample geometries. Biomedical Optics Express, 2021, 12, 3372.	2.9	13
17	An Emerging Grip on the Growth of Grounded Bacteria. ACS Nano, 2016, 10, 9109-9110.	14.6	3
18	Vibrio cholerae biofilm scaffolding protein RbmA shows an intrinsic, phosphateâ€dependent autoproteolysis activity. IUBMB Life, 2021, 73, 418-431.	3.4	2