

# Ryan Simkovsky

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

614  
citations

759233

12  
h-index

839539

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Grazer-induced changes in molecular signatures of cyanobacteria. <i>Algal Research</i> , 2022, 61, 102575.	4.6	3
2	Comparative Genomics of <i>Synechococcus elongatus</i> Explains the Phenotypic Diversity of the Strains. <i>MBio</i> , 2022, 13, e0086222.	4.1	13
3	A Cyanobacterial Component Required for Pilus Biogenesis Affects the Exoproteome. <i>MBio</i> , 2021, 12, .	4.1	20
4	Continuous measurements of volatile gases as detection of algae crop health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
5	Recombinant production of a functional SARS-CoV-2 spike receptor binding domain in the green algae <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , 2021, 16, e0257089.	2.5	20
6	Heterologous Expression of Cryptomaldamide in a Cyanobacterial Host. <i>ACS Synthetic Biology</i> , 2020, 9, 3364-3376.	3.8	23
7	Rapid biodegradation of renewable polyurethane foams with identification of associated microorganisms and decomposition products. <i>Bioresource Technology Reports</i> , 2020, 11, 100513.	2.7	37
8	A microcin processing peptidase-like protein of the cyanobacterium <i>Synechococcus elongatus</i> is essential for secretion of biofilm-promoting proteins. <i>Environmental Microbiology Reports</i> , 2019, 11, 456-463.	2.4	14
9	Phototaxis in a wild isolate of the cyanobacterium <i>Synechococcus elongatus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12378-E12387.	7.1	61
10	High-throughput interaction screens illuminate the role of c-di-AMP in cyanobacterial nighttime survival. <i>PLoS Genetics</i> , 2018, 14, e1007301.	3.5	39
11	Type 4 pili are dispensable for biofilm development in the cyanobacterium <i>Synechococcus elongatus</i> . <i>Environmental Microbiology</i> , 2017, 19, 2862-2872.	3.8	38
12	Quantification of Chlorophyll as a Proxy for Biofilm Formation in the Cyanobacterium <i>Synechococcus elongatus</i> . <i>Bio-protocol</i> , 2017, 7, e2406.	0.4	16
13	Small secreted proteins enable biofilm development in the cyanobacterium <i>Synechococcus elongatus</i> . <i>Scientific Reports</i> , 2016, 6, 32209.	3.3	49
14	Mutations in Novel Lipopolysaccharide Biogenesis Genes Confer Resistance to Amoebal Grazing in <i>Synechococcus elongatus</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 2738-2750.	3.1	11
15	Impairment of O-antigen production confers resistance to grazing in a model amoeba-cyanobacterium predator-prey system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16678-16683.	7.1	60
16	Primer on Agar-Based Microbial Imaging Mass Spectrometry. <i>Journal of Bacteriology</i> , 2012, 194, 6023-6028.	2.2	133
17	A Kinetic Aggregation Assay Allowing Selective and Sensitive Amyloid- $\beta^2$ Quantification in Cells and Tissues. <i>Biochemistry</i> , 2011, 50, 1607-1617.	2.5	32
18	An elongated spine of buried core residues necessary for in vivo folding of the parallel beta-helix of P22 tailspike adhesin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3575-3580.	7.1	29

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19	Amino Acid Sequence Control of the Folding of the Parallel $\beta$ -Helix, the Simplest $\beta$ -Sheet Fold. Lecture Notes in Computer Science, 2005, , 472-473.	1.3	0
20	Transcriptomic and Phenomic Investigations Reveal Elements in Biofilm Repression and Formation in the Cyanobacterium <i>Synechococcus elongatus</i> PCC 7942. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3