

# Carolina Tropini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6004667/publications.pdf>

Version: 2024-02-01

33  
papers

5,673  
citations

331670

21  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

10243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris. <i>Nature</i> , 2018, 562, 367-372.	27.8	2,061
2	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. <i>Nature</i> , 2020, 583, 590-595.	27.8	683
3	The Gut Microbiome: Connecting Spatial Organization to Function. <i>Cell Host and Microbe</i> , 2017, 21, 433-442.	11.0	453
4	Dysbiosis-Induced Secondary Bile Acid Deficiency Promotes Intestinal Inflammation. <i>Cell Host and Microbe</i> , 2020, 27, 659-670.e5.	11.0	404
5	Ageing hallmarks exhibit organ-specific temporal signatures. <i>Nature</i> , 2020, 583, 596-602.	27.8	317
6	Megapixel digital PCR. <i>Nature Methods</i> , 2011, 8, 649-651.	19.0	269
7	Measuring the stiffness of bacterial cells from growth rates in hydrogels of tunable elasticity. <i>Molecular Microbiology</i> , 2012, 84, 874-891.	2.5	212
8	Transient Osmotic Perturbation Causes Long-Term Alteration to the Gut Microbiota. <i>Cell</i> , 2018, 173, 1742-1754.e17.	28.9	171
9	Recovery of the Gut Microbiota after Antibiotics Depends on Host Diet, Community Context, and Environmental Reservoirs. <i>Cell Host and Microbe</i> , 2019, 26, 650-665.e4.	11.0	166
10	Rapid, precise quantification of bacterial cellular dimensions across a genomic-scale knockout library. <i>BMC Biology</i> , 2017, 15, 17.	3.8	123
11	Spatial gradient of protein phosphorylation underlies replicative asymmetry in a bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1052-1057.	7.1	118
12	The hygiene hypothesis, the COVID pandemic, and consequences for the human microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	100
13	A dynamically assembled cell wall synthesis machinery buffers cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4554-4559.	7.1	88
14	Deep Phenotypic Mapping of Bacterial Cytoskeletal Mutants Reveals Physiological Robustness to Cell Size. <i>Current Biology</i> , 2017, 27, 3419-3429.e4.	3.9	72
15	Multi-Nanopore Force Spectroscopy for DNA Analysis. <i>Biophysical Journal</i> , 2007, 92, 1632-1637.	0.5	71
16	Dynamic Light Scattering Microrheology Reveals Multiscale Viscoelasticity of Polymer Gels and Precious Biological Materials. <i>ACS Central Science</i> , 2017, 3, 1294-1303.	11.3	63
17	Molecular hallmarks of heterochronic parabiosis at single-cell resolution. <i>Nature</i> , 2022, 603, 309-314.	27.8	51
18	Islands Containing Slowly Hydrolyzable GTP Analogs Promote Microtubule Rescues. <i>PLoS ONE</i> , 2012, 7, e30103.	2.5	48

#	ARTICLE	IF	CITATIONS
19	Nonexponential Kinetics of DNA Escape from $\hat{\pm}$ -Hemolysin Nanopores. <i>Biophysical Journal</i> , 2008, 95, 5317-5323.	0.5	46
20	Principles of Bacterial Cell-Size Determination Revealed by Cell-Wall Synthesis Perturbations. <i>Cell Reports</i> , 2014, 9, 1520-1527.	6.4	43
21	High-throughput, Highly Sensitive Analyses of Bacterial Morphogenesis Using Ultra Performance Liquid Chromatography. <i>Journal of Biological Chemistry</i> , 2015, 290, 31090-31100.	3.4	33
22	Cause or effect? The spatial organization of pathogens and the gut microbiota in disease. <i>Microbes and Infection</i> , 2021, 23, 104815.	1.9	18
23	Interplay between the Localization and Kinetics of Phosphorylation in Flagellar Pole Development of the Bacterium <i>Caulobacter crescentus</i> . <i>PLoS Computational Biology</i> , 2012, 8, e1002602.	3.2	13
24	The CIAMIB: a Large and Metabolically Diverse Collection of Inflammation-Associated Bacteria from the Murine Gut. <i>MBio</i> , 2022, , e0294921.	4.1	11
25	How the Physical Environment Shapes the Microbiota. <i>MSystems</i> , 2021, 6, e0067521.	3.8	10
26	Physical constraints on the establishment of intracellular spatial gradients in bacteria. <i>BMC Biophysics</i> , 2012, 5, 17.	4.4	8
27	Recovery of the Gut Microbiota after Antibiotics Depends on Host Diet and Environmental Reservoirs. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
28	Your gut microbiome, deconstructed. <i>Nature Biotechnology</i> , 2015, 33, 1238-1240.	17.5	1
29	Visualization of Gut Microbiota-host Interactions via Fluorescence <i>In Situ</i> Hybridization, Lectin Staining, and Imaging. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
30	Trade-Off Between Localization and Expression Levels in Flagellar Pole Development of the Bacterium <i>Caulobacter Crescentus</i> . <i>Biophysical Journal</i> , 2010, 98, 236a.	0.5	0
31	Mechanical Perturbations to the Gut Microbiota. <i>Biophysical Journal</i> , 2018, 114, 329a.	0.5	0
32	Bacterial species singled out from a diverse crowd. <i>Nature</i> , 2020, 588, 591-592.	27.8	0
33	A bacterial record collection. <i>Cell Host and Microbe</i> , 2022, 30, 905-907.	11.0	0