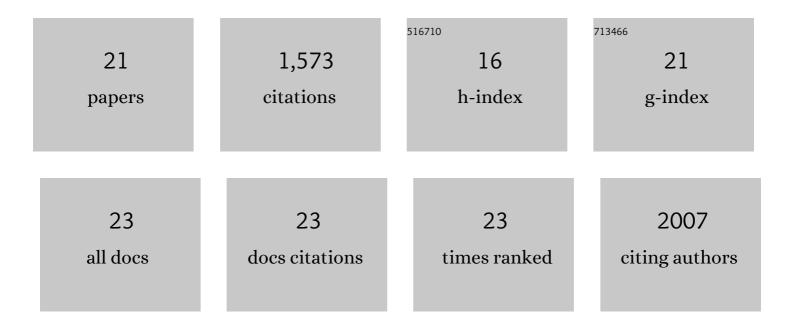
## Matthias Christen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1304510/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Allosteric Control of Cyclic di-GMP Signaling. Journal of Biological Chemistry, 2006, 281, 32015-32024.	3.4	260
2	Asymmetrical Distribution of the Second Messenger c-di-GMP upon Bacterial Cell Division. Science, 2010, 328, 1295-1297.	12.6	245
3	DgrA is a member of a new family of cyclic diguanosine monophosphate receptors and controls flagellar motor function in Caulobacter crescentus. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4112-4117.	7.1	185
4	Mind-controlled transgene expression by a wireless-powered optogenetic designer cell implant. Nature Communications, 2014, 5, 5392.	12.8	108
5	Pharmaceutically controlled designer circuit for the treatment of the metabolic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 141-146.	7.1	107
6	c-di-GMP heterogeneity is generated by the chemotaxis machinery to regulate flagellar motility. ELife, 2013, 2, e01402.	6.0	103
7	The response threshold of <i><scp>S</scp>almonella</i> <scp><scp>PilZ</scp></scp> domain proteins is determined by their binding affinities for câ€diâ€ <scp>GMP</scp> . Molecular Microbiology, 2012, 86, 1424-1440.	2.5	84
8	Chemical synthesis rewriting of a bacterial genome to achieve design flexibility and biological functionality. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8070-8079.	7.1	69
9	Import of Aspartate and Malate by DcuABC Drives H2/Fumarate Respiration to Promote Initial Salmonella Gut-Lumen Colonization in Mice. Cell Host and Microbe, 2020, 27, 922-936.e6.	11.0	58
10	Activation of a Bacterial Virulence Protein by the GTPase RhoA. Science Signaling, 2009, 2, ra71.	3.6	50
11	Quantitative Selection Analysis of Bacteriophage φCbK Susceptibility in Caulobacter crescentus. Journal of Molecular Biology, 2016, 428, 419-430.	4.2	49
12	Gene Transfer Agent Promotes Evolvability within the Fittest Subpopulation of a Bacterial Pathogen. Cell Systems, 2017, 4, 611-621.e6.	6.2	47
13	Transposon Sequencing of Brucella abortus Uncovers Essential Genes for Growth <i>In Vitro</i> and Inside Macrophages. Infection and Immunity, 2018, 86, .	2.2	47
14	The type IV pilin PilA couples surface attachment and cell-cycle initiation in <i>Caulobacter crescentus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9546-9553.	7.1	44
15	Transposon Sequencing Uncovers an Essential Regulatory Function of Phosphoribulokinase for Methylotrophy. Current Biology, 2017, 27, 2579-2588.e6.	3.9	34
16	Co atabolism of arginine and succinate drives symbiotic nitrogen fixation. Molecular Systems Biology, 2020, 16, e9419.	7.2	33
17	Genome Calligrapher: A Web Tool for Refactoring Bacterial Genome Sequences for <i>de Novo</i> DNA Synthesis. ACS Synthetic Biology, 2015, 4, 927-934.	3.8	16
18	Identification of Smallâ€Molecule Modulators of Diguanylate Cyclase by FRETâ€Based Highâ€Throughput Screening. ChemBioChem, 2019, 20, 394-407.	2.6	14

#	Article	IF	CITATIONS
19	YestroSens, a field-portable S. cerevisiae biosensor device for the detection of endocrine-disrupting chemicals: Reliability and stability. Biosensors and Bioelectronics, 2019, 146, 111710.	10.1	12
20	The transcriptional landscape of a rewritten bacterial genome reveals control elements and genome design principles. Nature Communications, 2021, 12, 3053.	12.8	3
21	Genome Partitioner: A web tool for multi-level partitioning of large-scale DNA constructs for synthetic biology applications. PLoS ONE, 2017, 12, e0177234.	2.5	2