

# Simon Kretschmer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16  
papers

272  
citations

9  
h-index

16  
g-index

16  
ext. papers

351  
ext. citations

8.5  
avg, IF

3.65  
L-index

#	Paper	IF	Citations
16	Defined chromosome structure in the genome-reduced bacterium <i>Mycoplasma pneumoniae</i> . <i>Nature Communications</i> , <b>2017</b> , 8, 14665	17.4	59
15	MinE conformational switching confers robustness on self-organized Min protein patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4553-4558	11.5	43
14	Pattern formation on membranes and its role in bacterial cell division. <i>Current Opinion in Cell Biology</i> , <b>2016</b> , 38, 52-9	9	37
13	Synthetic cell division via membrane-transforming molecular assemblies. <i>BMC Biology</i> , <b>2019</b> , 17, 43	7.3	30
12	Large-scale modulation of reconstituted Min protein patterns and gradients by defined mutations in MinE's membrane targeting sequence. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179582	3.7	23
11	Stationary Patterns in a Two-Protein Reaction-Diffusion System. <i>ACS Synthetic Biology</i> , <b>2019</b> , 8, 148-157	5.7	19
10	Optical Control of a Biological Reaction-Diffusion System. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2362-2366	16.4	17
9	Toward Spatially Regulated Division of Protocells: Insights into the E. coli Min System from in Vitro Studies. <i>Life</i> , <b>2014</b> , 4, 915-28	3	14
8	Protein Pattern Formation <b>2018</b> , 229-260		11
7	Reverse and forward engineering of protein pattern formation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	8
6	Optical Control of a Biological Reaction-Diffusion System. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2386-2390	3.6	4
5	Non-Equilibrium Large-Scale Membrane Transformations Driven by MinDE Biochemical Reaction Cycles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6496-6502	16.4	4
4	Advances in the Computational Design of Small-Molecule-Controlled Protein-Based Circuits for Synthetic Biology. <i>Proceedings of the IEEE</i> , <b>2022</b> , 1-16	14.3	2
3	Increasing MinD's Membrane Affinity Yields Standing Wave Oscillations and Functional Gradients on Flat Membranes. <i>ACS Synthetic Biology</i> , <b>2021</b> , 10, 939-949	5.7	1
2	Rekonstitution biologischer Selbstorganisation in vitro. <i>BioSpektrum</i> , <b>2015</b> , 21, 148-150	0.1	
1	Non-Equilibrium Large-Scale Membrane Transformations Driven by MinDE Biochemical Reaction Cycles. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6570-6576	3.6	