

# Mathias L Heltberg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7036789/publications.pdf>

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14  
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312  
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#	ARTICLE	IF	CITATIONS
1	Biophysical Modeling of Dopaminergic Denervation Landscapes in the Striatum Reveals New Therapeutic Strategy. <i>ENeuro</i> , 2022, 9, ENEURO.0458-21.2022.	1.9	1
2	Single molecule microscopy reveals key physical features of repair foci in living cells. <i>ELife</i> , 2021, 10, .	6.0	55
3	A tale of two rhythms: Locked clocks and chaos in biology. <i>Cell Systems</i> , 2021, 12, 291-303.	6.2	29
4	Emergence of chimera states in a neuronal model of delayed oscillators. <i>Physical Review Research</i> , 2021, 3, .	3.6	5
5	Physical observables to determine the nature of membrane-less cellular sub-compartments. <i>ELife</i> , 2021, 10, .	6.0	14
6	Locked body clocks. <i>Nature Physics</i> , 2019, 15, 989-990.	16.7	5
7	Inferring Leading Interactions in the p53/Mdm2/Mdmx Circuit through Live-Cell Imaging and Modeling. <i>Cell Systems</i> , 2019, 9, 548-558.e5.	6.2	16
8	On chaotic dynamics in transcription factors and the associated effects in differential gene regulation. <i>Nature Communications</i> , 2019, 10, 71.	12.8	60
9	Tuning of Recombinant Protein Expression in <i>Escherichia coli</i> by Manipulating Transcription, Translation Initiation Rates, and Incorporation of Noncanonical Amino Acids. <i>ACS Synthetic Biology</i> , 2017, 6, 1076-1085.	3.8	22
10	Time Correlations in Mode Hopping of Coupled Oscillators. <i>Journal of Statistical Physics</i> , 2017, 167, 792-805.	1.2	3
11	Expanding the Genetic Code of a Photoautotrophic Organism. <i>Biochemistry</i> , 2017, 56, 2161-2165.	2.5	17
12	Chaotic Dynamics Mediate Brain State Transitions, Driven by Changes in Extracellular Ion Concentrations. <i>Cell Systems</i> , 2017, 5, 591-603.e4.	6.2	27
13	Noise Induces Hopping between NF- $\kappa$ B Entrainment Modes. <i>Cell Systems</i> , 2016, 3, 532-539.e3.	6.2	44
14	Temperature Controls Onset and Period of NF- $\kappa$ B Oscillations and can Lead to Chaotic Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	1