

Mathias L Heltberg

List of Publications by Year in descending order

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312
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | On chaotic dynamics in transcription factors and the associated effects in differential gene regulation. <i>Nature Communications</i> , 2019, 10, 71. | 12.8 | 60 |
| 2 | Single molecule microscopy reveals key physical features of repair foci in living cells. <i>ELife</i> , 2021, 10, . | 6.0 | 55 |
| 3 | Noise Induces Hopping between NF- κ B Entrainment Modes. <i>Cell Systems</i> , 2016, 3, 532-539.e3. | 6.2 | 44 |
| 4 | A tale of two rhythms: Locked clocks and chaos in biology. <i>Cell Systems</i> , 2021, 12, 291-303. | 6.2 | 29 |
| 5 | 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 |
| 6 | 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 |
| 7 | Expanding the Genetic Code of a Photoautotrophic Organism. <i>Biochemistry</i> , 2017, 56, 2161-2165. | 2.5 | 17 |
| 8 | 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 |
| 9 | Physical observables to determine the nature of membrane-less cellular sub-compartments. <i>ELife</i> , 2021, 10, . | 6.0 | 14 |
| 10 | Locked body clocks. <i>Nature Physics</i> , 2019, 15, 989-990. | 16.7 | 5 |
| 11 | Emergence of chimera states in a neuronal model of delayed oscillators. <i>Physical Review Research</i> , 2021, 3, . | 3.6 | 5 |
| 12 | Time Correlations in Mode Hopping of Coupled Oscillators. <i>Journal of Statistical Physics</i> , 2017, 167, 792-805. | 1.2 | 3 |
| 13 | 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 |
| 14 | Temperature Controls Onset and Period of NF- κ B Oscillations and can Lead to Chaotic Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, . | 3.7 | 1 |