

# Matthew Ferguson

## List of Publications by Year in descending order

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17  
papers

702  
citations

840776

11  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

877  
citing authors

#	ARTICLE	IF	CITATIONS
1	Data storage in cellular DNA: contextualizing diverse encoding schemes. <i>Evolutionary Intelligence</i> , 2021, 14, 331-343.	3.6	2
2	Nuclear envelope mechanobiology: linking the nuclear structure and function. <i>Nucleus</i> , 2021, 12, 90-114.	2.2	14
3	Transcriptional Bursting and Co-bursting Regulation by Steroid Hormone Release Pattern and Transcription Factor Mobility. <i>Molecular Cell</i> , 2019, 75, 1161-1177.e11.	9.7	86
4	Live-cell imaging reveals the interplay between transcription factors, nucleosomes, and bursting. <i>EMBO Journal</i> , 2019, 38, .	7.8	155
5	Deep Time Series Neural Networks and Fluorescence Data Stream Noise Detection. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 18-32.	0.6	2
6	Ribonucleoprotein purification and characterization using RNA Mango. <i>Rna</i> , 2017, 23, 1592-1599.	3.5	24
7	Stoichiometry of scaffold complexes in living neurons - DLC2 as a dimerization engine for GKAP. <i>Journal of Cell Science</i> , 2014, 127, 3451-62.	2.0	9
8	Kinetic competition during the transcription cycle results in stochastic RNA processing. <i>ELife</i> , 2014, 3, .	6.0	177
9	Measuring Transcription Dynamics in Living Cells Using Fluctuation Analysis. <i>Methods in Molecular Biology</i> , 2013, 1042, 47-60.	0.9	25
10	Reconciling molecular regulatory mechanisms with noise patterns of bacterial metabolic promoters in induced and repressed states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 155-160.	7.1	71
11	Absolute quantification of gene expression in individual bacterial cells using two-photon fluctuation microscopy. <i>Analytical Biochemistry</i> , 2011, 419, 250-259.	2.4	22
12	Physical basis of the inducer-dependent cooperativity of the Central glycolytic genes Repressor/DNA complex. <i>Nucleic Acids Research</i> , 2010, 38, 5944-5957.	14.5	15
13	Estrogen Receptor Interactions and Dynamics Monitored in Live Cells by Fluorescence Cross-Correlation Spectroscopy. <i>Biochemistry</i> , 2010, 49, 772-781.	2.5	36
14	Clathrin Triskelia Show Evidence of Molecular Flexibility. <i>Biophysical Journal</i> , 2008, 95, 1945-1955.	0.5	20
15	Conformation of a Clathrin Triskelion in Solution. <i>Biochemistry</i> , 2006, 45, 5916-5922.	2.5	28
16	Actin Polymerization in a Thermal Gradient. <i>Macromolecular Symposia</i> , 2005, 227, 231-242.	0.7	3
17	Dynamics of a gravitational billiard with a hyperbolic lower boundary. <i>Chaos</i> , 1999, 9, 841-848.	2.5	7