Eldon Emberly

List of Publications by Year
in descending order

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33 papers	1,798 citations	566801 15 h-index	454577 30 g-index
33 all docs	33 docs citations	33 times ranked	3694 citing authors

#	Article	IF	Citations
1	Optimizing Efficiency and Motility of a Polyvalent Molecular Motor. Micromachines, 2022, 13, 914.	1.4	0
2	Substrate stiffness tunes the dynamics of polyvalent rolling motors. Soft Matter, 2021, 17, 1468-1479.	1.2	20
3	Functional mapping of androgen receptor enhancer activity. Genome Biology, 2021, 22, 149.	3.8	18
4	Abrupt, Asynchronous Changes in Action Representations by Anterior Cingulate Cortex Neurons during Trial and Error Learning. Cerebral Cortex, 2020, 30, 4336-4345.	1.6	4
5	DNA segregation under Par protein control. PLoS ONE, 2019, 14, e0218520.	1.1	9
6	Children's biobehavioral reactivity to challenge predicts DNA methylation in adolescence and emerging adulthood. Developmental Science, 2019, 22, e12739.	1.3	6
7	Dense neural networks for predicting chromatin conformation. BMC Bioinformatics, 2018, 19, 372.	1.2	13
8	A maximum-entropy model for predicting chromatin contacts. PLoS Computational Biology, 2018, 14, e1005956.	1.5	9
9	Confinement-dependent localization of diffusing aggregates in cellular geometries. Physical Review E, 2015, 91, 012705.	0.8	0
10	Bacterial motion in narrow capillaries. FEMS Microbiology Ecology, 2015, 91, 1-7.	1.3	7
11	Concordant and discordant DNA methylation signatures of aging in human blood and brain. Epigenetics and Chromatin, 2015, 8, 19.	1.8	132
12	Probing long-range interactions by extracting free energies from genome-wide chromosome conformation capture data. BMC Bioinformatics, 2015, 16, 171.	1.2	3
13	Operational Principles for the Dynamics of the In Vitro ParA-ParB System. PLoS Computational Biology, 2015, 11, e1004651.	1.5	18
14	Localization of aggregating proteins in bacteria depends on the rate of addition. Frontiers in Microbiology, 2014, 5, 418.	1.5	8
15	Chromatin Immunoprecipitation Indirect Peaks Highlight Long-Range Interactions of Insulator Proteins and Pol II Pausing. Molecular Cell, 2014, 53, 672-681.	4.5	102
16	Insulators recruit histone methyltransferase d<scp>M</scp>es4 to regulate chromatin of flanking genes. EMBO Journal, 2014, 33, 1599-1613.	3.5	34
17	Additional annotation enhances potential for biologically-relevant analysis of the Illumina Infinium HumanMethylation450 BeadChip array. Epigenetics and Chromatin, 2013, 6, 4.	1.8	412
18	Reply to Suderman et al.: Importance of accounting for blood cell composition in epigenetic studies. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1247.	3.3	7

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19	Non-Equilibrium Polar Localization of Proteins in Bacterial Cells. PLoS ONE, 2013, 8, e64075.	1.1	7
20	A Model for Cell Population Size Control Using Asymmetric Division. PLoS ONE, 2013, 8, e74324.	1.1	0
21	CHROMATRA: a Galaxy tool for visualizing genome-wide chromatin signatures. Bioinformatics, 2012, 28, 717-718.	1.8	14
22	Factors underlying variable DNA methylation in a human community cohort. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17253-17260.	3.3	414
23	Vital Dye Reaction and Granule Localization in Periplasm of Escherichia coli. PLoS ONE, 2012, 7, e38427.	1.1	10
24	Splitting the task: Ubp8 and Ubp10 deubiquitinate different cellular pools of H2BK123. Genes and Development, 2011, 25, 2242-2247.	2.7	96
25	Chromosome Driven Spatial Patterning of Proteins in Bacteria. PLoS Computational Biology, 2010, 6, e1000986.	1.5	32
26	Genome-Wide Mapping of Boundary Element-Associated Factor (BEAF) Binding Sites in Drosophila melanogaster Links BEAF to Transcription. Molecular and Cellular Biology, 2009, 29, 3556-3568.	1.1	95
27	Optimizing the readout of morphogen gradients. Physical Review E, 2008, 77, 041903.	0.8	13
28	BEAF Regulates Cell-Cycle Genes through the Controlled Deposition of H3K9 Methylation Marks into Its Conserved Dual-Core Binding Sites. PLoS Biology, 2008, 6, e327.	2.6	60
29	Hourglass Model for a Protein-Based Circadian Oscillator. Physical Review Letters, 2006, 96, 038303.	2.9	59
30	Conservation of regulatory elements between two species of Drosophila. BMC Bioinformatics, 2003, 4, 57.	1.2	84
31	Principles for the design and operation of a molecular wire transistor. Journal of Applied Physics, 2000, 88, 5280-5282.	1.1	18
32	Electrical conductance of molecular wires. Nanotechnology, 1999, 10, 285-289.	1.3	37
33	State Orthogonalization by Building a Hilbert Space: A New Approach to Electronic Quantum Transport in Molecular Wires. Physical Review Letters, 1998, 81, 5205-5208.	2.9	57