

Jonathan Higham

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

218
citations

933447

10
h-index

1058476

14
g-index

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all docs

15
docs citations

15
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	De novo DNA methyltransferase activity in colorectal cancer is directed towards H3K36me3 marked CpG islands. <i>Nature Communications</i> , 2021, 12, 694.	12.8	24
2	Entropy of Proteins Using Multiscale Cell Correlation. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 5540-5551.	5.4	14
3	Transition to naïve human pluripotency mirrors pan-cancer DNA hypermethylation. <i>Nature Communications</i> , 2020, 11, 3671.	12.8	17
4	Comparison of Free-Energy Methods to Calculate the Barriers for the Nucleophilic Substitution of Alkyl Halides by Hydroxide. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6835-6842.	2.6	8
5	Age-related clonal haemopoiesis is associated with increased epigenetic age. <i>Current Biology</i> , 2019, 29, R786-R787.	3.9	37
6	Entropy of Simulated Liquids Using Multiscale Cell Correlation. <i>Entropy</i> , 2019, 21, 750.	2.2	15
7	Overcoming the limitations of cutoffs for defining atomic coordination in multicomponent systems. <i>Journal of Computational Chemistry</i> , 2018, 39, 705-710.	3.3	9
8	Entropy of flexible liquids from hierarchical force-torque covariance and coordination. <i>Molecular Physics</i> , 2018, 116, 1965-1976.	1.7	10
9	Parameter-Free Hydrogen-Bond Definition to Classify Protein Secondary Structure. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8566-8570.	2.6	9
10	Locally adaptive method to define coordination shell. <i>Journal of Chemical Physics</i> , 2016, 145, 084108.	3.0	19
11	Instantaneous, parameter-free methods to define a solute's hydration shell. <i>Journal of Chemical Physics</i> , 2015, 143, 234501.	3.0	5
12	A New Algorithm to Diagnose Atrial Ectopic Origin from Multi Lead ECG Systems - Insights from 3D Virtual Human Atria and Torso. <i>PLoS Computational Biology</i> , 2015, 11, e1004026.	3.2	21
13	Modeling the Chronotropic Effect of Isoprenaline on Rabbit Sinoatrial Node. <i>Frontiers in Physiology</i> , 2012, 3, 241.	2.8	19
14	Mitogen-activated Protein Kinase Kinase 4 Deficiency in Cardiomyocytes Causes Connexin 43 Reduction and Couples Hypertrophic Signals to Ventricular Arrhythmogenesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 17821-17830.	3.4	11
15	High performance stream computing for particle beam transport simulations. <i>Journal of Physics: Conference Series</i> , 2008, 119, 042001.	0.4	0