

Maxim Igaev

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

677
citations

840776

11
h-index

1199594

12
g-index

26
all docs

26
docs citations

26
times ranked

1115
citing authors

#	ARTICLE	IF	CITATIONS
1	Free energy along transition pathways from correlation based sampling. Biophysical Journal, 2022, 121, 287a.	0.5	0
2	Bending-torsional elasticity and energetics of the plus-end microtubule tip. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115516119.	7.1	7
3	Cryo-EM model validation recommendations based on outcomes of the 2019 EMDataResource challenge. Nature Methods, 2021, 18, 156-164.	19.0	73
4	Choice of fluorophore affects dynamic DNA nanostructures. Nucleic Acids Research, 2021, 49, 4186-4195.	14.5	20
5	Microtubule instability driven by longitudinal and lateral strain propagation. PLoS Computational Biology, 2020, 16, e1008132.	3.2	15
6	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
7	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
8	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
9	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
10	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
11	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
12	SESCA: Predicting Circular Dichroism Spectra from Protein Molecular Structures. Journal of Chemical Theory and Computation, 2019, 15, 5087-5102.	5.3	54
13	Automated cryo-EM structure refinement using correlation-driven molecular dynamics. ELife, 2019, 8, .	6.0	83
14	Single-molecule imaging reveals dynamic biphasic partition of RNA-binding proteins in stress granules. Journal of Cell Biology, 2018, 217, 1303-1318.	5.2	111
15	Fully Automated Correlation-Based Refinement of Atomic Models into High Resolution Cryo-EM Density Maps. Biophysical Journal, 2018, 114, 161a.	0.5	0
16	Microtubule assembly governed by tubulin allosteric gain in flexibility and lattice induced fit. ELife, 2018, 7, .	6.0	42
17	Presence of a carboxy-terminal pseudorepeat and disease-like pseudohyperphosphorylation critically influence tau's interaction with microtubules in axon-like processes. Molecular Biology of the Cell, 2016, 27, 3537-3549.	2.1	53
18	A Refined Reaction-Diffusion Model of Tau-Microtubule Dynamics and Its Application in FDAP Analysis. Biophysical Journal, 2014, 107, 2567-2578.	0.5	33

#	ARTICLE	IF	CITATIONS
19	Interplay between phosphorylation and palmitoylation mediates plasma membrane targeting and sorting of GAP43. <i>Molecular Biology of the Cell</i> , 2014, 25, 3284-3299.	2.1	44
20	Single-molecule tracking of tau reveals fast kiss-and-hop interaction with microtubules in living neurons. <i>Molecular Biology of the Cell</i> , 2014, 25, 3541-3551.	2.1	136