Maxim Igaev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1811724/publications.pdf

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20	677	840776 11	1199594 12
papers	citations	h-index	g-index

26	26	26	1115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-molecule tracking of tau reveals fast kiss-and-hop interaction with microtubules in living neurons. Molecular Biology of the Cell, 2014, 25, 3541-3551.	2.1	136
2	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
3	Automated cryo-EM structure refinement using correlation-driven molecular dynamics. ELife, 2019, 8, .	6.0	83
4	Cryo-EM model validation recommendations based on outcomes of the 2019 EMDataResource challenge. Nature Methods, 2021, 18, 156-164.	19.0	73
5	SESCA: Predicting Circular Dichroism Spectra from Protein Molecular Structures. Journal of Chemical Theory and Computation, 2019, 15, 5087-5102.	5.3	54
6	Presence of a carboxy-terminal pseudorepeat and disease-like pseudohyperphosphorylation critically influence tauâ€™s interaction with microtubules in axon-like processes. Molecular Biology of the Cell, 2016, 27, 3537-3549.	2.1	53
7	Interplay between phosphorylation and palmitoylation mediates plasma membrane targeting and sorting of GAP43. Molecular Biology of the Cell, 2014, 25, 3284-3299.	2.1	44
8	Microtubule assembly governed by tubulin allosteric gain in flexibility and lattice induced fit. ELife, 2018, 7, .	6.0	42
9	A Refined Reaction-Diffusion Model of Tau-Microtubule Dynamics and Its Application in FDAP Analysis. Biophysical Journal, 2014, 107, 2567-2578.	0.5	33
10	Choice of fluorophore affects dynamic DNA nanostructures. Nucleic Acids Research, 2021, 49, 4186-4195.	14.5	20
11	Microtubule instability driven by longitudinal and lateral strain propagation. PLoS Computational Biology, 2020, 16, e1008132.	3.2	15
12	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
13	Fully Automated Correlation-Based Refinement of Atomic Models into High Resolution Cryo-EM Density Maps. Biophysical Journal, 2018, 114, 161a.	0.5	0
14	Free energy along transition pathways from correlation based sampling. Biophysical Journal, 2022, 121, 287a.	0.5	0
15	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
16	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
17	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
18	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0

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19	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0
20	Microtubule instability driven by longitudinal and lateral strain propagation. , 2020, 16, e1008132.		0