

Norbert MÃ¼cke

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

840
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular and Biophysical Characterization of Assembly-Starter Units of Human Vimentin. <i>Journal of Molecular Biology</i> , 2004, 340, 97-114.	4.2	148
2	The structural basis of nanobody unfolding reversibility and thermoresistance. <i>Scientific Reports</i> , 2018, 8, 7934.	3.3	106
3	A Quantitative Kinetic Model for the in Vitro Assembly of Intermediate Filaments from Tetrameric Vimentin. <i>Journal of Biological Chemistry</i> , 2007, 282, 18563-18572.	3.4	84
4	A Multilaboratory Comparison of Calibration Accuracy and the Performance of External References in Analytical Ultracentrifugation. <i>PLoS ONE</i> , 2015, 10, e0126420.	2.5	71
5	Vimentin Intermediate Filament Formation: In Vitro Measurement and Mathematical Modeling of the Filament Length Distribution during Assembly. <i>Langmuir</i> , 2009, 25, 8817-8823.	3.5	51
6	Attractive Interactions among Intermediate Filaments Determine Network Mechanics In Vitro. <i>PLoS ONE</i> , 2014, 9, e93194.	2.5	51
7	Mutations in vimentin disrupt the cytoskeleton in fibroblasts and delay execution of apoptosis. <i>European Journal of Cell Biology</i> , 2006, 85, 1-10.	3.6	50
8	Complex formation and kinetics of filament assembly exhibited by the simple epithelial keratins K8 and K18. <i>Journal of Structural Biology</i> , 2012, 177, 54-62.	2.8	49
9	EGFP oligomers as natural fluorescence and hydrodynamic standards. <i>Scientific Reports</i> , 2016, 6, 33022.	3.3	46
10	Assembly Kinetics of Vimentin Tetramers to Unit-Length Filaments: A Stopped-Flow Study. <i>Biophysical Journal</i> , 2018, 114, 2408-2418.	0.5	29
11	Vimentin S-glutathionylation at Cys328 inhibits filament elongation and induces severing of mature filaments <i>in vitro</i> . <i>FEBS Journal</i> , 2020, 287, 5304-5322.	4.7	24
12	Threonine 150 Phosphorylation of Keratin 5 Is Linked to Epidermolysis Bullosa Simplex and Regulates Filament Assembly and Cell Viability. <i>Journal of Investigative Dermatology</i> , 2018, 138, 627-636.	0.7	23
13	Filamentous Biopolymers on Surfaces: Atomic Force Microscopy Images Compared with Brownian Dynamics Simulation of Filament Deposition. <i>PLoS ONE</i> , 2009, 4, e7756.	2.5	23
14	Effects of charge-modifying mutations in histone H2A ± 3 -domain on nucleosome stability assessed by single-pair FRET and MD simulations. <i>Scientific Reports</i> , 2017, 7, 13303.	3.3	18
15	Defining the epichromatin epitope. <i>Nucleus</i> , 2017, 8, 625-640.	2.2	15
16	In Vitro Assembly Kinetics of Cytoplasmic Intermediate Filaments: A Correlative Monte Carlo Simulation Study. <i>PLoS ONE</i> , 2016, 11, e0157451.	2.5	14
17	Intermolecular base stacking mediates RNA-RNA interaction in a crystal structure of the RNA chaperone Hfq. <i>Scientific Reports</i> , 2017, 7, 9903.	3.3	14
18	Analysis of distinct molecular assembly complexes of keratin K8 and K18 by hydrogen-deuterium exchange. <i>Journal of Structural Biology</i> , 2015, 192, 426-440.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Nanobody stability engineering by employing the \hat{I}^m shift; a comparison with apparent rate constants of heat-induced aggregation. Protein Engineering, Design and Selection, 2019, 32, 241-249.	2.1	6
20	A general mathematical model for the in vitro assembly dynamics of intermediate filament proteins. Biophysical Journal, 2022, 121, 1094-1104.	0.5	5