Norbert MÃ¼cke

List of Publications by Year
in descending order

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20	840	623734	752698
papers	citations	14	20
		h-index	g-index

21	21	21	1097
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A general mathematical model for the inÂvitro assembly dynamics of intermediate filament proteins. Biophysical Journal, 2022, 121, 1094-1104.	0.5	5
2	Vimentin Sâ€glutathionylation at Cys328 inhibits filament elongation and induces severing of mature filaments inÂvitro. FEBS Journal, 2020, 287, 5304-5322.	4.7	24
3	Nanobody stability engineering by employing the Î”Tm shift; a comparison with apparent rate constants of heat-induced aggregation. Protein Engineering, Design and Selection, 2019, 32, 241-249.	2.1	6
4	Threonine 150 Phosphorylation of Keratin 5 Is Linked to Epidermolysis Bullosa Simplex and Regulates Filament Assembly and Cell Viability. Journal of Investigative Dermatology, 2018, 138, 627-636.	0.7	23
5	The structural basis of nanobody unfolding reversibility and thermoresistance. Scientific Reports, 2018, 8, 7934.	3.3	106
6	Assembly Kinetics of Vimentin Tetramers to Unit-Length Filaments: A Stopped-Flow Study. Biophysical Journal, 2018, 114, 2408-2418.	0.5	29
7	Defining the epichromatin epitope. Nucleus, 2017, 8, 625-640.	2.2	15
8	Intermolecular base stacking mediates RNA-RNA interaction in a crystal structure of the RNA chaperone Hfq. Scientific Reports, 2017, 7, 9903.	3.3	14
9	Effects of charge-modifying mutations in histone H2A Î±3-domain on nucleosome stability assessed by single-pair FRET and MD simulations. Scientific Reports, 2017, 7, 13303.	3.3	18
10	In Vitro Assembly Kinetics of Cytoplasmic Intermediate Filaments: A Correlative Monte Carlo Simulation Study. PLoS ONE, 2016, 11, e0157451.	2.5	14
11	EGFP oligomers as natural fluorescence and hydrodynamic standards. Scientific Reports, 2016, 6, 33022.	3.3	46
12	Analysis of distinct molecular assembly complexes of keratin K8 and K18 by hydrogenâ€“deuterium exchange. Journal of Structural Biology, 2015, 192, 426-440.	2.8	13
13	A Multilaboratory Comparison of Calibration Accuracy and the Performance of External References in Analytical Ultracentrifugation. PLoS ONE, 2015, 10, e0126420.	2.5	71
14	Attractive Interactions among Intermediate Filaments Determine Network Mechanics In Vitro. PLoS ONE, 2014, 9, e93194.	2.5	51
15	Complex formation and kinetics of filament assembly exhibited by the simple epithelial keratins K8 and K18. Journal of Structural Biology, 2012, 177, 54-62.	2.8	49
16	Vimentin Intermediate Filament Formation: In Vitro Measurement and Mathematical Modeling of the Filament Length Distribution during Assembly. Langmuir, 2009, 25, 8817-8823.	3.5	51
17	Filamentous Biopolymers on Surfaces: Atomic Force Microscopy Images Compared with Brownian Dynamics Simulation of Filament Deposition. PLoS ONE, 2009, 4, e7756.	2.5	23
18	A Quantitative Kinetic Model for the in Vitro Assembly of Intermediate Filaments from Tetrameric Vimentin. Journal of Biological Chemistry, 2007, 282, 18563-18572.	3.4	84

#	Article	IF	Citations
19	Mutations in vimentin disrupt the cytoskeleton in fibroblasts and delay execution of apoptosis. European Journal of Cell Biology, 2006, 85, 1-10.	3.6	50
20	Molecular and Biophysical Characterization of Assembly-Starter Units of Human Vimentin. Journal of Molecular Biology, 2004, 340, 97-114.	4.2	148