Felix Mueller-Planitz

List of Publications by Year
in descending order

26 papers	902 citations	471509 17 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	1486 citing authors

#	Article	IF	Citations
1	A case of convergent evolution: Several viral and bacterial pathogens hijack RSK kinases through a common linear motif. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
2	A critical role for linker DNA in higher-order folding of chromatin fibers. Nucleic Acids Research, 2021, 49, 2537-2551.	14.5	19
3	Nucleosome Positioning and Spacing: From Mechanism to Function. Journal of Molecular Biology, 2021, 433, 166847.	4.2	26
4	A CDK-regulated chromatin segregase promoting chromosome replication. Nature Communications, 2021, 12, 5224.	12.8	6
5	The biogenesis and function of nucleosome arrays. Nature Communications, 2021, 12, 7011.	12.8	12
6	Structural Architecture of the Nucleosome Remodeler ISWI Determined from Cross-Linking, Mass Spectrometry, SAXS, and Modeling. Structure, 2018, 26, 282-294.e6.	3.3	11
7	Remodeling and Repositioning of Nucleosomes in Nucleosomal Arrays. Methods in Molecular Biology, 2018, 1805, 349-370.	0.9	5
8	Myosin Vaâ€™s adaptor protein melanophilin enforces track selection on the microtubule and actin networks in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4714-E4723.	7.1	28
9	Kinesinâ€2 motors adapt their stepping behavior for processive transport on axonemes and microtubules. EMBO Reports, 2017, 18, 1947-1956.	4.5	26
10	A Poly-ADP-Ribose Trigger Releases the Auto-Inhibition of a Chromatin Remodeling Oncogene. Molecular Cell, 2017, 68, 860-871.e7.	9.7	70
11	Concerted regulation of ISWI by an autoinhibitory domain and the H4 N-terminal tail. ELife, 2017, 6, .	6.0	28
12	Integrative Modeling of the ISWI Chromatin Remodeling Enzyme from Cross-Linking/Mass Spectrometry and Saxs Data. Biophysical Journal, 2016, 110, 237a.	0.5	0
13	Crossfinder-assisted mapping of protein crosslinks formed by site-specifically incorporated crosslinkers. Bioinformatics, 2015, 31, 2043-2045.	4.1	18
14	Nucleosome Spacing Generated by ISWI and CHD1 Remodelers Is Constant Regardless of Nucleosome Density. Molecular and Cellular Biology, 2015, 35, 1588-1605.	2.3	52
15	ISWI Remodelling of Physiological Chromatin Fibres Acetylated at Lysine 16 of Histone H4. PLoS ONE, 2014, 9, e88411.	2.5	24
16	Rapid Purification of Recombinant Histones. PLoS ONE, 2014, 9, e104029.	2.5	45
17	Nucleosome sliding mechanisms: new twists in a looped history. Nature Structural and Molecular Biology, 2013, 20, 1026-1032.	8.2	92
18	No need for a power stroke in ISWIâ€mediated nucleosome sliding. EMBO Reports, 2013, 14, 1092-1097.	4.5	18

#	Article	IF	Citations
19	The Myosin Chaperone UNC-45 Is Organized in Tandem Modules to Support Myofilament Formation in C.Âelegans. Cell, 2013, 152, 183-195.	28.9	94
20	The ATPase domain of ISWI is an autonomous nucleosome remodeling machine. Nature Structural and Molecular Biology, 2013, 20, 82-89.	8.2	77
21	Probing the Conformation of the ISWI ATPase Domain With Genetically Encoded Photoreactive Crosslinkers and Mass Spectrometry. Molecular and Cellular Proteomics, 2012, 11, M111.012088.	3.8	45
22	Regulation of a heterodimeric kinesin-2 through an unprocessive motor domain that is turned processive by its partner. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10460-10465.	7.1	62
23	The DNA binding CXC domain of MSL2 is required for faithful targeting the Dosage Compensation Complex to the X chromosome. Nucleic Acids Research, 2010, 38, 3209-3221.	14.5	65
24	Coupling between ATP Binding and DNA Cleavage by DNA Topoisomerase II. Journal of Biological Chemistry, 2008, 283, 17463-17476.	3.4	23
25	DNA topoisomerase II selects DNA cleavage sites based on reactivity rather than binding affinity. Nucleic Acids Research, 2007, 35, 3764-3773.	14.5	23
26	Interdomain Communication in DNA Topoisomerase II. Journal of Biological Chemistry, 2006, 281, 23395-23404.	3.4	18