Sebastian Deindl

List of Publications by Year
in descending order

33	2,663	331670	434195
papers	citations	21 h-index	31 g-index

41	41	41	3376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism for Activation of the EGF Receptor Catalytic Domain by the Juxtamembrane Segment. Cell, 2009, 137, 1293-1307.	28.9	506
2	Structure of the Autoinhibited Kinase Domain of CaMKII and SAXS Analysis of the Holoenzyme. Cell, 2005, 123, 849-860.	28.9	293
3	Structural Basis for the Inhibition of Tyrosine Kinase Activity of ZAP-70. Cell, 2007, 129, 735-746.	28.9	217
4	The structure, regulation, and function of ZAPâ€70. Immunological Reviews, 2009, 228, 41-57.	6.0	203
5	ISWI Remodelers Slide Nucleosomes with Coordinated Multi-Base-Pair Entry Steps and Single-Base-Pair Exit Steps. Cell, 2013, 152, 442-452.	28.9	150
6	ADPâ€ribosyltransferases, an update on function and nomenclature. FEBS Journal, 2022, 289, 7399-7410.	4.7	150
7	Intersubunit capture of regulatory segments is a component of cooperative CaMKII activation. Nature Structural and Molecular Biology, 2010, 17, 264-272.	8.2	108
8	Oligomerization states of the association domain and the holoenyzme of Ca2+/CaM kinase II. FEBS Journal, 2006, 273, 682-694.	4.7	92
9	Structural Basis for Activation of ZAP-70 by Phosphorylation of the SH2-Kinase Linker. Molecular and Cellular Biology, 2013, 33, 2188-2201.	2.3	90
10	Histone H4 tail mediates allosteric regulation of nucleosome remodelling by linker DNA. Nature, 2014, 512, 213-217.	27.8	78
11	Defective ALC1 nucleosome remodeling confers PARPi sensitization and synthetic lethality with HRD. Molecular Cell, 2021, 81, 767-783.e11.	9.7	72
12	Direct observation of coordinated DNA movements on the nucleosome during chromatin remodelling. Nature Communications, 2019, 10, 1720.	12.8	71
13	The Chd1 chromatin remodeler shifts hexasomes unidirectionally. ELife, 2016, 5, .	6.0	69
14	Stepwise nucleosome translocation by RSC remodeling complexes. ELife, 2016, 5, .	6.0	63
15	Photocontrol of Cell Adhesion Processes. Chemistry and Biology, 2003, 10, 487-490.	6.0	60
16	Nucleosome mobilization by ISW2 requires the concerted action of the ATPase and SLIDE domains. Nature Structural and Molecular Biology, 2013, 20, 222-229.	8.2	54
17	DNA surface exploration and operator bypassing during target search. Nature, 2020, 583, 858-861.	27.8	54
18	Mechanistic Insights into Autoinhibition of the Oncogenic Chromatin Remodeler ALC1. Molecular Cell, 2017, 68, 847-859.e7.	9.7	53

#	Article	IF	Citations
19	New enzymatic and mass spectrometric methodology for the selective investigation of gut microbiota-derived metabolites. Chemical Science, 2018, 9, 6233-6239.	7.4	38
20	Stability of an autoinhibitory interface in the structure of the tyrosine kinase ZAP-70 impacts T cell receptor response. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20699-20704.	7.1	32
21	The ribosomal protein S1-dependent standby site in tisB mRNA consists of a single-stranded region and a 5â€² structure element. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15901-15906.	7.1	32
22	Long Time-Scale Atomistic Simulations of the Structure and Dynamics of Transcription Factor-DNA Recognition. Journal of Physical Chemistry B, 2019, 123, 3576-3590.	2.6	21
23	Structure and dynamics of the chromatin remodeler ALC1 bound to a PARylated nucleosome. ELife, 2021, 10, .	6.0	21
24	Mechanistic Insights into Regulation of the ALC1 Remodeler by the Nucleosome Acidic Patch. Cell Reports, 2020, 33, 108529.	6.4	20
25	Sequence specificity in DNA binding is mainly governed by association. Science, 2022, 375, 442-445.	12.6	19
26	Remodeling the genome with DNA twists. Science, 2019, 366, 35-36.	12.6	18
27	Recent advances in single-molecule fluorescence microscopy render structural biology dynamic. Current Opinion in Structural Biology, 2020, 65, 61-68.	5.7	18
28	Monitoring Conformational Dynamics with Single-Molecule Fluorescence Energy Transfer: Applications in Nucleosome Remodeling. Methods in Enzymology, 2012, 513, 59-86.	1.0	17
29	A unique histone 3 lysine 14 chromatin signature underlies tissue-specific gene regulation. Molecular Cell, 2021, 81, 1766-1780.e10.	9.7	17
30	Development of a novel therapeutic vaccine carrier that sustains high antibody titers against several targets simultaneously. FASEB Journal, 2017, 31, 1204-1214.	0.5	11
31	Structure-guided approach to site-specific fluorophore labeling of the lac repressor LacI. PLoS ONE, 2018, 13, e0198416.	2.5	11
32	Measuring the Orientation of Single Proteins Interacting with DNA using Fluorescence Polarization Microscopy. Biophysical Journal, 2017, 112, 169a.	0.5	0
33	More Than Just Letters and Chemistry: Genomics Goes Mechanics. Trends in Biochemical Sciences, 2021, 46, 431-432.	7.5	0