Philipp Korber

List of Publications by Year
in descending order

43 papers	2,918 citations	172207 29 h-index	243296 44 g-index
50 all docs	50 docs citations	50 times ranked	2946 citing authors

#	Article	IF	Citations
1	Why is DsbA such an oxidizing disulfide catalyst?. Cell, 1995, 83, 947-955.	13.5	300
2	A Packing Mechanism for Nucleosome Organization Reconstituted Across a Eukaryotic Genome. Science, 2011, 332, 977-980.	6.0	285
3	Genomic Nucleosome Organization Reconstituted with Pure Proteins. Cell, 2016, 167, 709-721.e12.	13.5	227
4	Schizosaccharomyces pombe genome-wide nucleosome mapping reveals positioning mechanisms distinct from those of Saccharomyces cerevisiae. Nature Structural and Molecular Biology, 2010, 17, 251-257.	3.6	215
5	Uncovering the forces between nucleosomes using DNA origami. Science Advances, 2016, 2, e1600974.	4.7	179
6	The Histone Chaperone Asf1 Increases the Rate of Histone Eviction at the Yeast PHO5 and PHO8 Promoters. Journal of Biological Chemistry, 2006, 281, 5539-5545.	1.6	96
7	Redundancy of Chromatin Remodeling Pathways for the Induction of the Yeast PHO5 Promoter in Vivo. Journal of Biological Chemistry, 2007, 282, 27610-27621.	1.6	90
8	Histones Are Incorporated in trans during Reassembly of the Yeast PHO5 Promoter. Molecular Cell, 2005, 19, 279-285.	4.5	87
9	Beads on a stringâ€"nucleosome array arrangements and folding of the chromatin fiber. Nature Structural and Molecular Biology, 2020, 27, 109-118.	3.6	86
10	Evidence for Histone Eviction in trans upon Induction of the Yeast PHO5 Promoter. Molecular and Cellular Biology, 2004, 24, 10965-10974.	1.1	85
11	Hsp15: a ribosome-associated heat shock protein. EMBO Journal, 2000, 19, 741-748.	3.5	82
12	CHD1 remodelers regulate nucleosome spacingin vitroand align nucleosomal arrays over gene coding regions inS. pombe. EMBO Journal, 2012, 31, 4388-4403.	3.5	82
13	Absolute nucleosome occupancy map for the Saccharomyces cerevisiae genome. Genome Research, 2019, 29, 1996-2009.	2.4	71
14	The nuclear actin-containing Arp8 module is a linker DNA sensor driving INO80 chromatin remodeling. Nature Structural and Molecular Biology, 2018, 25, 823-832.	3.6	63
15	Structure of Hsp15 reveals a novel RNA-binding motif. EMBO Journal, 2000, 19, 749-757.	3.5	56
16	SWRred Not Shaken. Cell, 2004, 117, 5-7.	13.5	56
17	A New Heat Shock Protein That Binds Nucleic Acids. Journal of Biological Chemistry, 1999, 274, 249-256.	1.6	54
18	Nucleosome Spacing Generated by ISWI and CHD1 Remodelers Is Constant Regardless of Nucleosome Density. Molecular and Cellular Biology, 2015, 35, 1588-1605.	1.1	52

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19	Exploring Nucleosome Unwrapping Using DNA Origami. Nano Letters, 2016, 16, 7891-7898.	4.5	52
20	The RSC chromatin remodelling enzyme has a unique role in directing the accurate positioning of nucleosomes. EMBO Journal, 2011, 30, 1277-1288.	3.5	51
21	The yeast PHO5 promoter: from single locus to systems biology of a paradigm for gene regulation through chromatin. Nucleic Acids Research, 2014, 42, 10888-10902.	6.5	51
22	Nucleosome positioning in yeasts: methods, maps, and mechanisms. Chromosoma, 2015, 124, 131-151.	1.0	45
23	Long noncoding RNA repertoire and targeting by nuclear exosome, cytoplasmic exonuclease, and RNAi in fission yeast. Rna, 2018, 24, 1195-1213.	1.6	45
24	Recycling of Aborted Ribosomal 50S Subunit-Nascent Chain-tRNA Complexes by the Heat Shock Protein Hsp15. Journal of Molecular Biology, 2009, 386, 1357-1367.	2.0	38
25	Genome-wide mapping of nucleosome positions in Schizosaccharomyces pombe. Methods, 2009, 48, 218-225.	1.9	36
26	Chromatin Modulation at the FLO11 Promoter of Saccharomyces cerevisiae by HDAC and Swi/Snf Complexes. Genetics, 2012, 191, 791-803.	1.2	35
27	The RSC chromatin remodeling complex has a crucial role in the complete remodeler set for yeast PHO5 promoter opening. Nucleic Acids Research, 2014, 42, 4270-4282.	6.5	35
28	Differential Cofactor Requirements for Histone Eviction from Two Nucleosomes at the Yeast PHO84 Promoter Are Determined by Intrinsic Nucleosome Stability. Molecular and Cellular Biology, 2009, 29, 2960-2981.	1.1	34
29	Ruler elements in chromatin remodelers set nucleosome array spacing and phasing. Nature Communications, 2021, 12, 3232.	5.8	34
30	BZLF1 interacts with chromatin remodelers promoting escape from latent infections with EBV. Life Science Alliance, 2019, 2, e201800108.	1.3	32
31	In Vitro Assembly of the Characteristic Chromatin Organization at the Yeast PHO5 Promoter by a Replication-independent Extract System. Journal of Biological Chemistry, 2004, 279, 35113-35120.	1.6	31
32	Nucleosome Stability at the Yeast PHO5 and PHO8 Promoters Correlates with Differential Cofactor Requirements for Chromatin Opening. Molecular and Cellular Biology, 2005, 25, 10755-10767.	1.1	30
33	Genome-Wide In Vitro Reconstitution of Yeast Chromatin with In Vivo-Like Nucleosome Positioning. Methods in Enzymology, 2012, 513, 205-232.	0.4	28
34	Genome information processing by the INO80 chromatin remodeler positions nucleosomes. Nature Communications, 2021, 12, 3231.	5.8	27
35	Mediator, TATA-binding Protein, and RNA Polymerase II Contribute to Low Histone Occupancy at Active Gene Promoters in Yeast. Journal of Biological Chemistry, 2014, 289, 14981-14995.	1.6	25
36	Nucleosome dynamics and epigenetic stability. Essays in Biochemistry, 2010, 48, 63-74.	2.1	25

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37	Active nucleosome positioning beyond intrinsic biophysics is revealed by in vitro reconstitution. Biochemical Society Transactions, 2012, 40, 377-382.	1.6	18
38	In Vitro Reconstitution of PHO5 Promoter Chromatin Remodeling Points to a Role for Activator-Nucleosome Competition In Vivo. Molecular and Cellular Biology, 2010, 30, 4060-4076.	1.1	16
39	Replication-guided nucleosome packing and nucleosome breathing expedite the formation of dense arrays. Nucleic Acids Research, 2014, 42, 13633-13645.	6.5	13
40	The Active Mechanism of Nucleosome Depletion by Poly(dA:dT) Tracts In Vivo. International Journal of Molecular Sciences, 2021, 22, 8233.	1.8	11
41	Effective dynamics of nucleosome configurations at the yeast PHO5 promoter. ELife, 2021, 10, .	2.8	6
42	In Vitro Reconstitution of In Vivo-Like Nucleosome Positioning on Yeast DNA. Methods in Molecular Biology, 2012, 833, 271-287.	0.4	6
43	Differences in nanoscale organization of regulatory active and inactive human chromatin. Biophysical Journal, 2022, 121, 977-990.	0.2	6