JÃ¼rg MÃ¼ller

List of Publications by Year
in descending order

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42 papers	7,361 citations	126907 33 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	7307 citing authors

#	Article	IF	Citations
1	Histone Methyltransferase Activity of a Drosophila Polycomb Group Repressor Complex. Cell, 2002, 111, 197-208.	28.9	1,416
2	Histone H2A deubiquitinase activity of the Polycomb repressive complex PR-DUB. Nature, 2010, 465, 243-247.	27.8	674
3	Histone Methylation by PRC2 Is Inhibited by Active Chromatin Marks. Molecular Cell, 2011, 42, 330-341.	9.7	620
4	Histone H2A monoubiquitination promotes histone H3 methylation in Polycomb repression. Nature Structural and Molecular Biology, 2014, 21, 569-571.	8.2	376
5	Histone trimethylation and the maintenance of transcriptional ONand OFF states by trxG and PcG proteins. Genes and Development, 2006, 20, 2041-2054.	5.9	358
6	A Polycomb group protein complex with sequence-specific DNA-binding and selective methyl-lysine-binding activities. Genes and Development, 2006, 20, 1110-1122.	5.9	331
7	Essential Role of the Glycosyltransferase Sxc/Ogt in Polycomb Repression. Science, 2009, 325, 93-96.	12.6	283
8	A Histone Mutant Reproduces the Phenotype Caused by Loss of Histone-Modifying Factor Polycomb. Science, 2013, 339, 698-699.	12.6	264
9	Polycomb response elements and targeting of Polycomb group proteins in Drosophila. Current Opinion in Genetics and Development, 2006, 16, 476-484.	3.3	242
10	The histone methyltransferases Trithorax and Ash1 prevent transcriptional silencing by Polycomb group proteins. EMBO Reports, 2004, 5, 373-377.	4.5	237
11	Pcl-PRC2 is needed to generate high levels of H3-K27 trimethylation at Polycomb target genes. EMBO Journal, 2007, 26, 4078-4088.	7.8	236
12	Biochemical mechanisms of gene regulation by polycomb group protein complexes. Current Opinion in Genetics and Development, 2009, 19, 150-158.	3.3	222
13	Dynamic Regulation by Polycomb Group Protein Complexes Controls Pattern Formation and the Cell Cycle in Drosophila. Developmental Cell, 2008, 15, 877-889.	7.0	178
14	Propagation of Polycomb-repressed chromatin requires sequence-specific recruitment to DNA. Science, 2017, 356, 85-88.	12.6	176
15	Transcriptional repression by PRC1 in the absence of H2A monoubiquitylation. Genes and Development, 2015, 29, 1487-1492.	5.9	174
16	Decoding of Methylated Histone H3 Tail by the Pygo-BCL9 Wnt Signaling Complex. Molecular Cell, 2008, 30, 507-518.	9.7	166
17	Nucleosome binding and histone methyltransferase activity of Drosophila PRC2. EMBO Reports, 2005, 6, 348-353.	4.5	151
18	O-GlcNAcylation Prevents Aggregation of the Polycomb Group Repressor Polyhomeotic. Developmental Cell, 2014, 31, 629-639.	7.0	108

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19	DNA binding by PHF1 prolongs PRC2 residence time on chromatin and thereby promotes H3K27 methylation. Nature Structural and Molecular Biology, 2017, 24, 1039-1047.	8.2	105
20	The role of the histone H2A ubiquitinase Sce in Polycomb repression. Development (Cambridge), 2012, 139, 117-127.	2.5	96
21	A Genetic Screen Identifies Novel Polycomb Group Genes in Drosophila. Genetics, 2007, 176, 2099-2108.	2.9	81
22	Molecular basis of PRC1 targeting to Polycomb response elements by PhoRC. Genes and Development, 2016, 30, 1116-1127.	5.9	78
23	Molecular recognition of histone lysine methylation by the Polycomb group repressor dSfmbt. EMBO Journal, 2009, 28, 1965-1977.	7.8	77
24	Structural basis for PRC2 decoding of active histone methylation marks H3K36me2/3. ELife, 2020, 9, .	6.0	73
25	Analysis of a Polycomb Group Protein Defines Regions That Link Repressive Activity on Nucleosomal Templates to In Vivo Function. Molecular and Cellular Biology, 2005, 25, 6578-6591.	2.3	72
26	Structural and functional analyses of methylâ€lysine binding by the malignant brain tumour repeat protein Sex comb on midleg. EMBO Reports, 2007, 8, 1031-1037.	4.5	61
27	The tumour suppressor L(3)mbt inhibits neuroepithelial proliferation and acts on insulator elements. Nature Cell Biology, 2011, 13, 1029-1039.	10.3	58
28	Molecular and genetic analysis of the Polycomb group gene Sex combs extra/Ring in Drosophila. Mechanisms of Development, 2003, 120, 949-954.	1.7	55
29	Structural basis for targeting the chromatin repressor Sfmbt to Polycomb response elements. Genes and Development, 2013, 27, 2367-2379.	5.9	53
30	Quantification of Proteins and Histone Marks in Drosophila Embryos Reveals Stoichiometric Relationships Impacting Chromatin Regulation. Developmental Cell, 2019, 51, 632-644.e6.	7.0	50
31	General transcriptional silencing by a Polycomb response element in Drosophila. Development (Cambridge), 2004, 131, 1959-1965.	2.5	48
32	Histone H2A monoubiquitination and Polycomb repression. Fly, 2012, 6, 162-168.	1.7	43
33	A critical perspective of the diverse roles of O-GlcNAc transferase in chromatin. Chromosoma, 2015, 124, 429-442.	2.2	42
34	The histone H3-K27 demethylase Utx regulates HOX gene expression in Drosophila in a temporally restricted manner. Development (Cambridge), 2013, 140, 3478-3485.	2.5	38
35	Regulation and function of H3K36 di-methylation by the trithorax-group protein complex AMC. Development (Cambridge), 2018, 145, .	2.5	33
36	Sex-specific phenotypes of histone H4 point mutants establish dosage compensation as the critical function of H4K16 acetylation in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13336-13341.	7.1	26

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37	Structural Basis of MRG15-Mediated Activation of the ASH1L Histone Methyltransferase by Releasing an Autoinhibitory Loop. Structure, 2019, 27, 846-852.e3.	3.3	24
38	Structure of an atypical Tudor domain in the Drosophila Polycomblike protein. Protein Science, 2010, 19, 1906-1916.	7.6	18
39	Histone Demethylase Activity of Utx Is Essential for Viability and Regulation of HOX Gene Expression in Drosophila. Genetics, 2018, 208, 633-637.	2.9	8
40	Distinct requirements for Pho, Sfmbt, and Ino80 for cell survival in Drosophila. Genetics, 2021, 219, .	2.9	3
41	Enzymeâ€“chromatin complex visualized. Nature, 2014, 514, 572-573.	27.8	2
42	Transcription through Polycomb response elements does not induce a switch from repression to activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14755-14756.	7.1	2