

Karl Ekwall

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

3,214

citations

29

h-index

56

g-index

72

ext. papers

3,739

ext. citations

8.5

avg, IF

5.11

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 68 | Comparative functional genomics of the fission yeasts. <i>Science</i> , 2011 , 332, 930-6 | 33.3 | 364 |
| 67 | Transient inhibition of histone deacetylation alters the structural and functional imprint at fission yeast centromeres. <i>Cell</i> , 1997 , 91, 1021-32 | 56.2 | 341 |
| 66 | Schizosaccharomyces pombe genome-wide nucleosome mapping reveals positioning mechanisms distinct from those of Saccharomyces cerevisiae. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 251-7 | 17.6 | 184 |
| 65 | RNA Pol II subunit Rpb7 promotes centromeric transcription and RNAi-directed chromatin silencing. <i>Genes and Development</i> , 2005 , 19, 2301-6 | 12.6 | 181 |
| 64 | Functional divergence between histone deacetylases in fission yeast by distinct cellular localization and in vivo specificity. <i>Molecular and Cellular Biology</i> , 2002 , 22, 2170-81 | 4.8 | 150 |
| 63 | Histone modification patterns and epigenetic codes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009 , 1790, 863-8 | 4 | 149 |
| 62 | Genomewide analysis of nucleosome density histone acetylation and HDAC function in fission yeast. <i>EMBO Journal</i> , 2005 , 24, 2906-18 | 13 | 116 |
| 61 | Epigenetic Regulation of Chromatin States in Schizosaccharomyces pombe. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7, a018770 | 10.2 | 113 |
| 60 | Dicer is required for chromosome segregation and gene silencing in fission yeast cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16648-53 | 11.5 | 109 |
| 59 | Genome-wide analysis of HDAC function. <i>Trends in Genetics</i> , 2005 , 21, 608-15 | 8.5 | 101 |
| 58 | FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017 , 4, 170112 | 8.2 | 88 |
| 57 | Epigenetic control of centromere behavior. <i>Annual Review of Genetics</i> , 2007 , 41, 63-81 | 14.5 | 78 |
| 56 | The domain structure of centromeres is conserved from fission yeast to humans. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2767-75 | 3.5 | 78 |
| 55 | CHD1 remodelers regulate nucleosome spacing in vitro and align nucleosomal arrays over gene coding regions in S. pombe. <i>EMBO Journal</i> , 2012 , 31, 4388-403 | 13 | 74 |
| 54 | A genome-wide role for CHD remodelling factors and Nap1 in nucleosome disassembly. <i>EMBO Journal</i> , 2007 , 26, 2868-79 | 13 | 70 |
| 53 | Topoisomerase I regulates open chromatin and controls gene expression in vivo. <i>EMBO Journal</i> , 2010 , 29, 2126-34 | 13 | 63 |
| 52 | The FUN30 chromatin remodeler, Fft3, protects centromeric and subtelomeric domains from euchromatin formation. <i>PLoS Genetics</i> , 2011 , 7, e1001334 | 6 | 61 |

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|----|---|------|----|
| 51 | Centromeric histone H2B monoubiquitination promotes noncoding transcription and chromatin integrity. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 236-43 | 17.6 | 57 |
| 50 | The Schizosaccharomyces pombe JmjC-protein, Msc1, prevents H2A.Z localization in centromeric and subtelomeric chromatin domains. <i>PLoS Genetics</i> , 2009 , 5, e1000726 | 6 | 54 |
| 49 | The inner nuclear membrane proteins Man1 and Ima1 link to two different types of chromatin at the nuclear periphery in S. pombe. <i>Nucleus</i> , 2012 , 3, 77-87 | 3.9 | 51 |
| 48 | The Paf1 complex factors Leo1 and Paf1 promote local histone turnover to modulate chromatin states in fission yeast. <i>EMBO Reports</i> , 2015 , 16, 1673-87 | 6.5 | 42 |
| 47 | The Fun30 chromatin remodeler Fft3 controls nuclear organization and chromatin structure of insulators and subtelomeres in fission yeast. <i>PLoS Genetics</i> , 2015 , 11, e1005101 | 6 | 41 |
| 46 | Specific functions for the fission yeast Sirtuins Hst2 and Hst4 in gene regulation and retrotransposon silencing. <i>EMBO Journal</i> , 2007 , 26, 2477-88 | 13 | 40 |
| 45 | Fission yeast Iec1-ino80-mediated nucleosome eviction regulates nucleotide and phosphate metabolism. <i>Molecular and Cellular Biology</i> , 2010 , 30, 657-74 | 4.8 | 37 |
| 44 | Mutations in histone modulators are associated with prolonged survival during azacitidine therapy. <i>Oncotarget</i> , 2016 , 7, 22103-15 | 3.3 | 35 |
| 43 | A nucleosome turnover map reveals that the stability of histone H4 Lys20 methylation depends on histone recycling in transcribed chromatin. <i>Genome Research</i> , 2015 , 25, 872-83 | 9.7 | 33 |
| 42 | Transcription-coupled recruitment of human CHD1 and CHD2 influences chromatin accessibility and histone H3 and H3.3 occupancy at active chromatin regions. <i>Epigenetics and Chromatin</i> , 2015 , 8, 4 | 5.8 | 32 |
| 41 | Genome-wide mapping of nucleosome positions in Schizosaccharomyces pombe. <i>Methods</i> , 2009 , 48, 218-25 | 4.6 | 30 |
| 40 | Genome-wide studies of histone demethylation catalysed by the fission yeast homologues of mammalian LSD1. <i>PLoS ONE</i> , 2007 , 2, e386 | 3.7 | 29 |
| 39 | Comprehensive mapping of the effects of azacitidine on DNA methylation, repressive/permissive histone marks and gene expression in primary cells from patients with MDS and MDS-related disease. <i>Oncotarget</i> , 2017 , 8, 28812-28825 | 3.3 | 28 |
| 38 | Podbat: a novel genomic tool reveals Swr1-independent H2A.Z incorporation at gene coding sequences through epigenetic meta-analysis. <i>PLoS Computational Biology</i> , 2011 , 7, e1002163 | 5 | 27 |
| 37 | Cancer-specific changes in DNA methylation reveal aberrant silencing and activation of enhancers in leukemia. <i>Blood</i> , 2017 , 129, e13-e25 | 2.2 | 24 |
| 36 | Telomeric repeats facilitate CENP-A(Cnp1) incorporation via telomere binding proteins. <i>PLoS ONE</i> , 2013 , 8, e69673 | 3.7 | 22 |
| 35 | Transcriptional regulation at the yeast nuclear envelope. <i>Nucleus</i> , 2013 , 4, 379-89 | 3.9 | 21 |
| 34 | Topoisomerases, chromatin and transcription termination. <i>Transcription</i> , 2011 , 2, 66-70 | 4.8 | 21 |

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| 33 | Comprehensive profiling of the fission yeast transcription start site activity during stress and media response. <i>Nucleic Acids Research</i> , 2019 , 47, 1671-1691 | 20.1 | 19 |
| 32 | The roles of SNF2/SWI2 nucleosome remodeling enzymes in blood cell differentiation and leukemia. <i>BioMed Research International</i> , 2015 , 2015, 347571 | 3 | 19 |
| 31 | H3K14 ubiquitylation promotes H3K9 methylation for heterochromatin assembly. <i>EMBO Reports</i> , 2019 , 20, e48111 | 6.5 | 18 |
| 30 | Regulating retrotransposon activity through the use of alternative transcription start sites. <i>EMBO Reports</i> , 2016 , 17, 753-68 | 6.5 | 17 |
| 29 | Chd1 remodelers maintain open chromatin and regulate the epigenetics of differentiation. <i>Experimental Cell Research</i> , 2010 , 316, 1316-23 | 4.2 | 16 |
| 28 | CTG repeat-targeting oligonucleotides for down-regulating Huntingtin expression. <i>Nucleic Acids Research</i> , 2017 , 45, 5153-5169 | 20.1 | 15 |
| 27 | RNAi mediates post-transcriptional repression of gene expression in fission yeast <i>Schizosaccharomyces pombe</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014 , 444, 254-9 | 3.4 | 15 |
| 26 | Budding yeast CAN1 gene as a selection marker in fission yeast. <i>Nucleic Acids Research</i> , 1991 , 19, 1150 | 20.1 | 13 |
| 25 | Leo1 is essential for the dynamic regulation of heterochromatin and gene expression during cellular quiescence. <i>Epigenetics and Chromatin</i> , 2019 , 12, 45 | 5.8 | 12 |
| 24 | Genetic Analysis of. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.top079772 | 1.2 | 12 |
| 23 | Chromatin immunoprecipitation using microarrays. <i>Methods in Molecular Biology</i> , 2009 , 529, 279-95 | 1.4 | 12 |
| 22 | Histone H4 lysine 20 mono-methylation directly facilitates chromatin openness and promotes transcription of housekeeping genes. <i>Nature Communications</i> , 2021 , 12, 4800 | 17.4 | 11 |
| 21 | A second Wpl1 anti-cohesion pathway requires dephosphorylation of fission yeast kleisin Rad21 by PP4. <i>EMBO Journal</i> , 2017 , 36, 1364-1378 | 13 | 10 |
| 20 | Molecular biology. The paradox of silent heterochromatin. <i>Science</i> , 2008 , 320, 624-5 | 33.3 | 10 |
| 19 | ABCE1 is a highly conserved RNA silencing suppressor. <i>PLoS ONE</i> , 2015 , 10, e0116702 | 3.7 | 9 |
| 18 | Spore Analysis and Tetrad Dissection of. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091710 | 1.2 | 8 |
| 17 | DNA topoisomerase III localizes to centromeres and affects centromeric CENP-A levels in fission yeast. <i>PLoS Genetics</i> , 2013 , 9, e1003371 | 6 | 8 |
| 16 | Restoration of KMT2C/MLL3 in human colorectal cancer cells reinforces genome-wide H3K4me1 profiles and influences cell growth and gene expression. <i>Clinical Epigenetics</i> , 2020 , 12, 74 | 7.7 | 7 |

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| 15 | Setting up Crosses/Matings. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091694 | 1.2 | 7 |
| 14 | AML displays increased CTCF occupancy associated with aberrant gene expression and transcription factor binding. <i>Blood</i> , 2020 , 136, 339-352 | 2.2 | 6 |
| 13 | Selecting Diploids. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091702 | 1.2 | 5 |
| 12 | Mating-Type Determination in. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091728 | 1.2 | 4 |
| 11 | Abo1 is required for the H3K9me2 to H3K9me3 transition in heterochromatin. <i>Scientific Reports</i> , 2020 , 10, 6055 | 4.9 | 3 |
| 10 | The binding of Chp2 $\bar{5}$ chromodomain to methylated H3K9 is essential for Chp2 $\bar{5}$ role in heterochromatin assembly in fission yeast. <i>PLoS ONE</i> , 2018 , 13, e0201101 | 3.7 | 3 |
| 9 | Panspecies small-molecule disruptors of heterochromatin-mediated transcriptional gene silencing. <i>Molecular and Cellular Biology</i> , 2015 , 35, 662-74 | 4.8 | 2 |
| 8 | High-Throughput Flow Cytometry Combined with Genetic Analysis Brings New Insights into the Understanding of Chromatin Regulation of Cellular Quiescence. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 2 |
| 7 | Histone H2B Ubiquitylation Regulates Histone Gene Expression by Suppressing Antisense Transcription in Fission Yeast. <i>Genetics</i> , 2019 , 213, 161-172 | 4 | 2 |
| 6 | Ethyl Methanesulfonate Mutagenesis in. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.prot091736 | 1.2 | 1 |
| 5 | Heterochromatin and Euchromatin Organization, Boundaries, and Gene Regulation 2011 , | | 1 |
| 4 | Chromatin remodeler Fft3 plays a dual role at blocked DNA replication forks. <i>Life Science Alliance</i> , 2019 , 2, | 5.8 | 1 |
| 3 | Comprehensive profiling of the fission yeast transcription start site activity during stress and media response | | 1 |
| 2 | Topokaryotyping demonstrates single cell variability and stress dependent variations in nuclear envelope associated domains. <i>Nucleic Acids Research</i> , 2018 , 46, e135 | 20.1 | 1 |
| 1 | Mutations in Histone Modulators Are Associated with Prolonged Survival during Azacitidine Therapy. <i>Blood</i> , 2015 , 126, 2839-2839 | 2.2 | |