Kathrin Muegge

List of Publications by Year
in descending order

36 papers	2,767 citations	201385 27 h-index	344852 36 g-index
36 all docs	36 docs citations	36 times ranked	2783 citing authors

#	Article	IF	Citations
1	Seminars in cell and development biology on histone variants remodelers of H2A variants associated with heterochromatin. Seminars in Cell and Developmental Biology, 2023, 135, 93-101.	2.3	7
2	The epigenetic regulator LSH maintains fork protection and genomic stability via MacroH2A deposition and RAD51 filament formation. Nature Communications, 2021, 12, 3520.	5.8	22
3	LSH catalyzes ATP-driven exchange of histone variants macroH2A1 and macroH2A2. Nucleic Acids Research, 2021, 49, 8024-8036.	6.5	19
4	Lsh/HELLS is required for B lymphocyte development and immunoglobulin class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20100-20108.	3.3	21
5	Degradation of 5hmC-marked stalled replication forks by APE1 causes genomic instability. Science Signaling, 2020, 13, .	1.6	35
6	LSH mediates gene repression through macroH2A deposition. Nature Communications, 2020, 11, 5647.	5.8	35
7	The chromatin remodeling protein Lsh alters nucleosome occupancy at putative enhancers and modulates binding of lineage specific transcription factors. Epigenetics, 2019, 14, 277-293.	1.3	24
8	Activation of AhR with nuclear IKKÎ± regulates cancer stem-like properties in the occurrence of radioresistance. Cell Death and Disease, 2018, 9, 490.	2.7	38
9	A G3BP1-Interacting lncRNA Promotes Ferroptosis and Apoptosis in Cancer via Nuclear Sequestration of p53. Cancer Research, 2018, 78, 3484-3496.	0.4	335
10	Tethering of Lsh at the Oct4 locus promotes gene repression associated with epigenetic changes. Epigenetics, 2018, 13, 173-181.	1.3	10
11	Lsh/HELLS regulates self-renewal/proliferation of neural stem/progenitor cells. Scientific Reports, 2017, 7, 1136.	1.6	27
12	Chromatin Remodeling Factor LSH Drives Cancer Progression by Suppressing the Activity of Fumarate Hydratase. Cancer Research, 2016, 76, 5743-5755.	0.4	85
13	Advanced Applications of RNA Sequencing and Challenges. Bioinformatics and Biology Insights, 2015, 9s1, BBI.S28991.	1.0	178
14	An ATPase-Deficient Variant of the SNF2 Family Member HELLS Shows Altered Dynamics at Pericentromeric Heterochromatin. Journal of Molecular Biology, 2015, 427, 1903-1915.	2.0	14
15	The ATP binding site of the chromatin remodeling homolog Lsh is required for nucleosome density and de novo DNA methylation at repeat sequences. Nucleic Acids Research, 2015, 43, 1444-1455.	6.5	66
16	Effect of high fat diet on paternal sperm histone distribution and male offspring liver gene expression. Epigenetics, 2015, 10, 861-871.	1.3	101
17	CG hypomethylation in Lsh-/- mouse embryonic fibroblasts is associated with de novo H3K4me1 formation and altered cellular plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5890-5895.	3.3	39
18	Genome-wide DNA methylation patterns in LSH mutant reveals de-repression of repeat elements and redundant epigenetic silencing pathways. Genome Research, 2014, 24, 1613-1623.	2.4	83

#	Article	IF	Citations
19	The SNF2-like helicase HELLS mediates E2F3-dependent transcription and cellular transformation. EMBO Journal, 2012, 31, 972-985.	3.5	68
20	Lymphoid-Specific Helicase (HELLS) Is Essential for Meiotic Progression in Mouse Spermatocytes1. Biology of Reproduction, 2011, 84, 1235-1241.	1.2	36
21	Lsh, chromatin remodeling family member, modulates genome-wide cytosine methylation patterns at nonrepeat sequences. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5626-5631.	3.3	76
22	Treatment of breast cancer cells with DNA demethylating agents leads to a release of Pol II stalling at genes with DNA-hypermethylated regions upstream of TSS. Nucleic Acids Research, 2011, 39, 9508-9520.	6.5	38
23	DNA methylation in early development. Molecular Reproduction and Development, 2010, 77, 105-113.	1.0	108
24	Lsh Participates in DNA Methylation and Silencing of Stem Cell Genes. Stem Cells, 2009, 27, 2691-2702.	1.4	60
25	DNA hypomethylation caused by Lsh deletion promotes erythroleukemia development. Epigenetics, 2008, 3, 134-142.	1.3	36
26	Lsh controls Hox gene silencing during development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14366-14371.	3.3	69
27	Lsh is required for meiotic chromosome synapsis and retrotransposon silencing in female germ cells. Nature Cell Biology, 2006, 8, 1448-1454.	4.6	116
28	Lsh is involved in de novo methylation of DNA. EMBO Journal, 2006, 25, 335-345.	3.5	150
29	Lsh controls silencing of the imprinted Cdkn1c gene. Development (Cambridge), 2005, 132, 635-644.	1.2	67
30	Lsh, a guardian of heterochromatin at repeat elements. Biochemistry and Cell Biology, 2005, 83, 548-554.	0.9	57
31	Lsh, an epigenetic guardian of repetitive elements. Nucleic Acids Research, 2004, 32, 5019-5028.	6.5	126
32	Lsh, a modulator of CpG methylation, is crucial for normal histone methylation. EMBO Journal, 2003, 22, 5154-5162.	3.5	85
33	Association of Lsh, a Regulator of DNA Methylation, with Pericentromeric Heterochromatin Is Dependent on Intact Heterochromatin. Molecular and Cellular Biology, 2003, 23, 8416-8428.	1.1	76
34	Lsh-deficient murine embryonal fibroblasts show reduced proliferation with signs of abnormal mitosis. Cancer Research, 2003, 63, 4677-83.	0.4	48
35	Lsh, a SNF2 family member, is required for normal murine development. Biochimica Et Biophysica Acta - General Subjects, 2001, 1526, 211-220.	1.1	80
36	Lsh, a member of the SNF2 family, is required for genome-wide methylation. Genes and Development, 2001, 15, 2940-2944.	2.7	332