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	A G3BP1-Interacting lncRNA Promotes Ferroptosis and Apoptosis in Cancer via Nuclear Sequestration of p53. Cancer Research, 2018, 78, 3484-3496.	0.4	335
2	Lsh, a member of the SNF2 family, is required for genome-wide methylation. Genes and Development, 2001, 15, 2940-2944.	2.7	332
3	Advanced Applications of RNA Sequencing and Challenges. Bioinformatics and Biology Insights, 2015, 9s1, BBI.S28991.	1.0	178
4	Lsh is involved in de novo methylation of DNA. EMBO Journal, 2006, 25, 335-345.	3.5	150
5	Lsh, an epigenetic guardian of repetitive elements. Nucleic Acids Research, 2004, 32, 5019-5028.	6.5	126
6	Lsh is required for meiotic chromosome synapsis and retrotransposon silencing in female germ cells. Nature Cell Biology, 2006, 8, 1448-1454.	4.6	116
7	DNA methylation in early development. Molecular Reproduction and Development, 2010, 77, 105-113.	1.0	108
8	Effect of high fat diet on paternal sperm histone distribution and male offspring liver gene expression. Epigenetics, 2015, 10, 861-871.	1.3	101
9	Lsh, a modulator of CpG methylation, is crucial for normal histone methylation. EMBO Journal, 2003, 22, 5154-5162.	3.5	85
10	Chromatin Remodeling Factor LSH Drives Cancer Progression by Suppressing the Activity of Fumarate Hydratase. Cancer Research, 2016, 76, 5743-5755.	0.4	85
11	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
12	Lsh, a SNF2 family member, is required for normal murine development. Biochimica Et Biophysica Acta - General Subjects, 2001, 1526, 211-220.	1.1	80
13	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
14	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
15	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
16	The SNF2-like helicase HELLS mediates E2F3-dependent transcription and cellular transformation. EMBO Journal, 2012, 31, 972-985.	3.5	68
17	Lsh controls silencing of the imprinted Cdkn1c gene. Development (Cambridge), 2005, 132, 635-644.	1.2	67
18	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

#	Article	IF	Citations
19	Lsh Participates in DNA Methylation and Silencing of Stem Cell Genes. Stem Cells, 2009, 27, 2691-2702.	1.4	60
20	Lsh, a guardian of heterochromatin at repeat elements. Biochemistry and Cell Biology, 2005, 83, 548-554.	0.9	57
21	Lsh-deficient murine embryonal fibroblasts show reduced proliferation with signs of abnormal mitosis. Cancer Research, 2003, 63, 4677-83.	0.4	48
22	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
23	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
24	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
25	DNA hypomethylation caused by Lsh deletion promotes erythroleukemia development. Epigenetics, 2008, 3, 134-142.	1.3	36
26	Lymphoid-Specific Helicase (HELLS) Is Essential for Meiotic Progression in Mouse Spermatocytes1. Biology of Reproduction, 2011, 84, 1235-1241.	1.2	36
27	Degradation of 5hmC-marked stalled replication forks by APE1 causes genomic instability. Science Signaling, 2020, 13, .	1.6	35
28	LSH mediates gene repression through macroH2A deposition. Nature Communications, 2020, 11, 5647.	5.8	35
29	Lsh/HELLS regulates self-renewal/proliferation of neural stem/progenitor cells. Scientific Reports, 2017, 7, 1136.	1.6	27
30	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
31	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
32	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
33	LSH catalyzes ATP-driven exchange of histone variants macroH2A1 and macroH2A2. Nucleic Acids Research, 2021, 49, 8024-8036.	6.5	19
34	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
35	Tethering of Lsh at the Oct4 locus promotes gene repression associated with epigenetic changes. Epigenetics, 2018, 13, 173-181.	1.3	10
36	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