

# Lee H Wong

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

5,824  
citations

101384

36  
h-index

168136

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

8349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence that asthma is a developmental origin disease influenced by maternal diet and bacterial metabolites. <i>Nature Communications</i> , 2015, 6, 7320.	5.8	683
2	Gut microbial metabolites limit the frequency of autoimmune T cells and protect against type 1 diabetes. <i>Nature Immunology</i> , 2017, 18, 552-562.	7.0	551
3	Survivin and the inner centromere protein INCENP show similar cell-cycle localization and gene knockout phenotype. <i>Current Biology</i> , 2000, 10, 1319-1328.	1.8	497
4	ATRX interacts with H3.3 in maintaining telomere structural integrity in pluripotent embryonic stem cells. <i>Genome Research</i> , 2010, 20, 351-360.	2.4	343
5	Neocentromeres: New Insights into Centromere Structure, Disease Development, and Karyotype Evolution. <i>American Journal of Human Genetics</i> , 2008, 82, 261-282.	2.6	341
6	Centromere RNA is a key component for the assembly of nucleoproteins at the nucleolus and centromere. <i>Genome Research</i> , 2007, 17, 1146-1160.	2.4	255
7	Active transcription and essential role of RNA polymerase II at the centromere during mitosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1979-1984.	3.3	229
8	Interferon-resistant Human Melanoma Cells Are Deficient in ISGF3 Components, STAT1, STAT2, and p48-ISGF3 $\beta$ . <i>Journal of Biological Chemistry</i> , 1997, 272, 28779-28785.	1.6	215
9	UBF levels determine the number of active ribosomal RNA genes in mammals. <i>Journal of Cell Biology</i> , 2008, 183, 1259-1274.	2.3	171
10	Histone H3.3 incorporation provides a unique and functionally essential telomeric chromatin in embryonic stem cells. <i>Genome Research</i> , 2009, 19, 404-414.	2.4	147
11	LINE Retrotransposon RNA Is an Essential Structural and Functional Epigenetic Component of a Core Neocentromeric Chromatin. <i>PLoS Genetics</i> , 2009, 5, e1000354.	1.5	144
12	The SH2 domains of Stat1 and Stat2 mediate multiple interactions in the transduction of IFN-alpha signals.. <i>EMBO Journal</i> , 1996, 15, 1075-1084.	3.5	136
13	Variable and hierarchical size distribution of L1-retroelement-enriched CENP-A clusters within a functional human neocentromere. <i>Human Molecular Genetics</i> , 2005, 14, 85-93.	1.4	136
14	Transcription within a Functional Human Centromere. <i>Molecular Cell</i> , 2003, 12, 509-516.	4.5	135
15	Centromere Proteins Cenpa, Cenpb, and Bub3 Interact with Poly(ADP-ribose) Polymerase-1 Protein and Are Poly(ADP-ribosyl)ated. <i>Journal of Biological Chemistry</i> , 2002, 277, 26921-26926.	1.6	101
16	Transcription in the maintenance of centromere chromatin identity. <i>Nucleic Acids Research</i> , 2012, 40, 11178-11188.	6.5	97
17	HENMT1 and piRNA Stability Are Required for Adult Male Germ Cell Transposon Repression and to Define the Spermatogenic Program in the Mouse. <i>PLoS Genetics</i> , 2015, 11, e1005620.	1.5	95
18	Contribution of the Two Genes Encoding Histone Variant H3.3 to Viability and Fertility in Mice. <i>PLoS Genetics</i> , 2015, 11, e1004964.	1.5	93

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19	Isolation and Characterization of a Human STAT1 Gene Regulatory Element. <i>Journal of Biological Chemistry</i> , 2002, 277, 19408-19417.	1.6	84
20	Evolutionary dynamics of transposable elements at the centromere. <i>Trends in Genetics</i> , 2004, 20, 611-616.	2.9	83
21	New players in heterochromatin silencing: histone variant H3.3 and the ATRX/DAXX chaperone. <i>Nucleic Acids Research</i> , 2016, 44, 1496-1501.	6.5	80
22	Histone variant H3.3 provides the heterochromatic H3 lysine 9 tri-methylation mark at telomeres. <i>Nucleic Acids Research</i> , 2015, 43, gkv847.	6.5	79
23	Poly(ADP-ribose) polymerase 2 localizes to mammalian active centromeres and interacts with PARP-1, Cenpa, Cenpb and Bub3, but not Cenpc. <i>Human Molecular Genetics</i> , 2002, 11, 2319-2329.	1.4	77
24	Analysis of mammalian proteins involved in chromatin modification reveals new metaphase centromeric proteins and distinct chromosomal distribution patterns. <i>Human Molecular Genetics</i> , 2003, 12, 3109-3121.	1.4	75
25	Construction of neocentromere-based human minichromosomes by telomere-associated chromosomal truncation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 5705-5710.	3.3	72
26	Ribosomal DNA copy loss and repeat instability in ATRX-mutated cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4737-4742.	3.3	72
27	Permissive Transcriptional Activity at the Centromere through Pockets of DNA Hypomethylation. <i>PLoS Genetics</i> , 2006, 2, e17.	1.5	65
28	The PML-associated protein DEK regulates the balance of H3.3 loading on chromatin and is important for telomere integrity. <i>Genome Research</i> , 2014, 24, 1584-1594.	2.4	63
29	Detection of cryptic pathogenic copy number variations and constitutional loss of heterozygosity using high resolution SNP microarray analysis in 117 patients referred for cytogenetic analysis and impact on clinical practice. <i>Journal of Medical Genetics</i> , 2008, 46, 123-131.	1.5	61
30	PML bodies provide an important platform for the maintenance of telomeric chromatin integrity in embryonic stem cells. <i>Nucleic Acids Research</i> , 2013, 41, 4447-4458.	6.5	58
31	A novel role for the Pol I transcription factor UBTF in maintaining genome stability through the regulation of highly transcribed Pol II genes. <i>Genome Research</i> , 2015, 25, 201-212.	2.4	52
32	PML protein organizes heterochromatin domains where it regulates histone H3.3 deposition by ATRX/DAXX. <i>Genome Research</i> , 2017, 27, 913-921.	2.4	52
33	Inhibition of a K9/K36 demethylase by an H3.3 point mutation found in paediatric glioblastoma. <i>Nature Communications</i> , 2018, 9, 3142.	5.8	49
34	The SH2 domains of Stat1 and Stat2 mediate multiple interactions in the transduction of IFN-alpha signals. <i>EMBO Journal</i> , 1996, 15, 1075-84.	3.5	48
35	CHK1-driven histone H3.3 serine 31 phosphorylation is important for chromatin maintenance and cell survival in human ALT cancer cells. <i>Nucleic Acids Research</i> , 2015, 43, 2603-2614.	6.5	46
36	IFN-gamma priming up-regulates IFN-stimulated gene factor 3 (ISGF3) components, augmenting responsiveness of IFN-resistant melanoma cells to type I IFNs. <i>Journal of Immunology</i> , 1998, 160, 5475-84.	0.4	42

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37	Conditional allelic replacement applied to genes encoding the histone variant H3.3 in the mouse. <i>Genesis</i> , 2013, 51, 142-146.	0.8	30
38	Essential Developmental, Genomic Stability, and Tumour Suppressor Functions of the Mouse Orthologue of hSSB1/NABP2. <i>PLoS Genetics</i> , 2013, 9, e1003298.	1.5	28
39	Centromeric chromatin pliability and memory at a human neocentromere. <i>EMBO Journal</i> , 2003, 22, 2495-2504.	3.5	26
40	Mutations inhibiting KDM4B drive ALT activation in ATRX-mutated glioblastomas. <i>Nature Communications</i> , 2021, 12, 2584.	5.8	23
41	Construction of neocentromere-based human minichromosomes for gene delivery and centromere studies. <i>Gene Therapy</i> , 2002, 9, 724-726.	2.3	19
42	BAC-based PCR fragment microarray: High-resolution detection of chromosomal deletion and duplication breakpoints. <i>Human Mutation</i> , 2005, 25, 476-482.	1.1	18
43	Analysis of Mitotic and Expression Properties of Human Neocentromere-based Transchromosomes in Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 3954-3962.	1.6	18
44	Normal DNA Methylation Dynamics in DICER1-Deficient Mouse Embryonic Stem Cells. <i>PLoS Genetics</i> , 2012, 8, e1002919.	1.5	18
45	Aurora Kinase B, a novel regulator of TERF1 binding and telomeric integrity. <i>Nucleic Acids Research</i> , 2017, 45, 12340-12353.	6.5	18
46	Compromised Telomeric Heterochromatin Promotes ALternative Lengthening of Telomeres. <i>Trends in Cancer</i> , 2016, 2, 114-116.	3.8	17
47	Centromere on the Move. <i>Genome Research</i> , 2001, 11, 513-516.	2.4	15
48	Epigenetic regulation of telomere chromatin integrity in pluripotent embryonic stem cells. <i>Epigenomics</i> , 2010, 2, 639-655.	1.0	14
49	Histone H3.3 phosphorylation promotes heterochromatin formation by inhibiting H3K9/K36 histone demethylase. <i>Nucleic Acids Research</i> , 2022, 50, 4500-4514.	6.5	12
50	Centromere protein b-null mice display decreasing reproductive performance through successive generations of breeding due to diminishing endometrial glands. <i>Reproduction</i> , 2004, 127, 367-377.	1.1	7
51	A saturating mutagenesis CRISPR-Cas9-mediated functional genomic screen identifies cis- and trans-regulatory elements of Oct4 in murine ESCs. <i>Journal of Biological Chemistry</i> , 2020, 295, 15797-15809.	1.6	6
52	High histone variant H3.3 content in mouse prospermatogonia suggests a role in epigenetic reformatting. <i>Chromosoma</i> , 2014, 123, 587-595.	1.0	4
53	Lessons from neocentromeres. <i>Epigenomics</i> , 2011, 3, 251-254.	1.0	0