Haitao Li

List of Publications by Citations

133 papers	10,318 citations	47 h-index	101 g-index
142 ext. papers	12,320 ext. citations	15.4 avg, IF	5.99 L-index

#	Paper	IF	Citations
133	How chromatin-binding modules interpret histone modifications: lessons from professional pocket pickers. *Nature Structural and Molecular Biology*, **2007**, 14, 1025-1040	17.6	1141
132	Multivalent engagement of chromatin modifications by linked binding modules. *Nature Reviews Molecular Cell Biology*, **2007**, 8, 983-94	48.7	823
131	Molecular basis for site-specific read-out of histone H3K4me3 by the BPTF PHD finger of NURF. *Nature*, **2006**, 442, 91-5	50.4	600
130	Structure of an argonaute silencing complex with a seed-containing guide DNA and target RNA duplex. *Nature*, **2008**, 456, 921-6	50.4	428
129	Nucleation, propagation and cleavage of target RNAs in Ago silencing complexes. *Nature*, **2009**, 461, 754-61	50.4	388
128	PRMT5-mediated methylation of histone H4R3 recruits DNMT3A, coupling histone and DNA methylation in gene silencing. *Nature Structural and Molecular Biology*, **2009**, 16, 304-311	17.6	385
127	Haematopoietic malignancies caused by dysregulation of a chromatin-binding PHD finger. *Nature*, **2009**, 459, 847-51	50.4	330
126	WSTF regulates the H2A.X DNA damage response via a novel tyrosine kinase activity. *Nature*, **2009**, 457, 57-62	50.4	314
125	Recognition of a mononucleosomal histone modification pattern by BPTF via multivalent interactions. *Cell*, **2011**, 145, 692-706	56.2	261
124	Divergent lncRNAs Regulate Gene Expression and Lineage Differentiation in Pluripotent Cells. *Cell Stem Cell*, **2016**, 18, 637-52	18	255
123	Yng1 PHD finger binding to H3 trimethylated at K4 promotes NuA3 HAT activity at K14 of H3 and transcription at a subset of targeted ORFs. *Molecular Cell*, **2006**, 24, 785-796	17.6	255
122	AF9 YEATS domain links histone acetylation to DOT1L-mediated H3K79 methylation. *Cell*, **2014**, 159, 558-71	56.2	229
121	Acetylation-mediated proteasomal degradation of core histones during DNA repair and spermatogenesis. *Cell*, **2013**, 153, 1012-24	56.2	203
120	ZMYND11 links histone H3.3K36me3 to transcription elongation and tumour suppression. *Nature*, **2014**, 508, 263-8	50.4	202
119	Structural and functional insights into 5′ppp RNA pattern recognition by the innate immune receptor RIG-I. *Nature Structural and Molecular Biology*, **2010**, 17, 781-7	17.6	196
118	ATRX ADD domain links an atypical histone methylation recognition mechanism to human mental-retardation syndrome. *Nature Structural and Molecular Biology*, **2011**, 18, 769-76	17.6	193
117	Histone H3 recognition and presentation by the WDR5 module of the MLL1 complex. *Nature Structural and Molecular Biology*, **2006**, 13, 704-12	17.6	191

116	Molecular Coupling of Histone Crotonylation and Active Transcription by AF9 YEATS Domain. *Molecular Cell*, **2016**, 62, 181-193	17.6	184
115	Histone serotonylation is a permissive modification that enhances TFIID binding to H3K4me3. *Nature*, **2019**, 567, 535-539	50.4	166
114	Structural basis for lower lysine methylation state-specific readout by MBT repeats of L3MBTL1 and an engineered PHD finger. *Molecular Cell*, **2007**, 28, 677-91	17.6	163
113	The histone mark H3K36me2 recruits DNMT3A and shapes the intergenic DNA methylation landscape. *Nature*, **2019**, 573, 281-286	50.4	161
112	Pro isomerization in MLL1 PHD3-bromo cassette connects H3K4me readout to CyP33 and HDAC-mediated repression. *Cell*, **2010**, 141, 1183-94	56.2	145
111	PHD finger recognition of unmodified histone H3R2 links UHRF1 to regulation of euchromatic gene expression. *Molecular Cell*, **2011**, 43, 275-284	17.6	143
110	Histone Modifications Regulate Chromatin Compartmentalization by Contributing to a Phase Separation Mechanism. *Molecular Cell*, **2019**, 76, 646-659.e6	17.6	135
109	ENL links histone acetylation to oncogenic gene expression in acute myeloid leukaemia. *Nature*, **2017**, 543, 265-269	50.4	124
108	YEATS2 is a selective histone crotonylation reader. *Cell Research*, **2016**, 26, 629-32	24.7	101
107	Selective recognition of histone crotonylation by double PHD fingers of MOZ and DPF2. *Nature Chemical Biology*, **2016**, 12, 1111-1118	11.7	90
106	ATRX-mediated chromatin association of histone variant macroH2A1 regulates globin expression. *Genes and Development*, **2012**, 26, 433-8	12.6	89
105	One-pot native chemical ligation of peptide hydrazides enables total synthesis of modified histones. *Organic and Biomolecular Chemistry*, **2014**, 12, 5435-41	3.9	88
104	Repeatability and reproducibility of anterior chamber angle measurement with anterior segment optical coherence tomography. *British Journal of Ophthalmology*, **2007**, 91, 1490-2	5.5	84
103	Molecular basis underlying histone H3 lysine-arginine methylation pattern readout by Spin/Ssty repeats of Spindlin1. *Genes and Development*, **2014**, 28, 622-36	12.6	78
102	T9. EPIGENETIC PROFILING IN SCHIZOPHRENIA DERIVED HUMAN INDUCED PLURIPOTENT STEM CELLS (HIPSCS) AND NEURONS. *Schizophrenia Bulletin*, **2020**, 46, S234-S234	1.3	78
101	Molecular basis for oncohistone H3 recognition by SETD2 methyltransferase. *Genes and Development*, **2016**, 30, 1611-6	12.6	75
100	Beyond histone acetylation-writing and erasing histone acylations. *Current Opinion in Structural Biology*, **2018**, 53, 169-177	8.1	75
99	ZMYND8 Reads the Dual Histone Mark H3K4me1-H3K14ac to Antagonize the Expression of Metastasis-Linked Genes. *Molecular Cell*, **2016**, 63, 470-84	17.6	72

98	Cross-talk between PRMT1-mediated methylation and ubiquitylation on RBM15 controls RNA splicing. *ELife*, **2015**, 4,	8.9	69
97	Targeting epigenetic regulators for cancer therapy. *Annals of the New York Academy of Sciences*, **2014**, 1309, 30-6	6.5	64
96	Chemical basis for the recognition of trimethyllysine by epigenetic reader proteins. *Nature Communications*, **2015**, 6, 8911	17.4	57
95	YEATS2 links histone acetylation to tumorigenesis of non-small cell lung cancer. *Nature Communications*, **2017**, 8, 1088	17.4	56
94	Engineering of a Histone-Recognition Domain in Dnmt3a Alters the Epigenetic Landscape and Phenotypic Features of Mouse ESCs. *Molecular Cell*, **2015**, 59, 89-103	17.6	56
93	PTEN Suppresses Glycolysis by Dephosphorylating and Inhibiting Autophosphorylated PGK1. *Molecular Cell*, **2019**, 76, 516-527.e7	17.6	55
92	Cancer-driving H3G34V/R/D mutations block H3K36 methylation and H3K36me3-MutS interaction. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 9598-9603	11.5	54
91	Plant HP1 protein ADCP1 links multivalent H3K9 methylation readout to heterochromatin formation. *Cell Research*, **2019**, 29, 54-66	24.7	51
90	YEATS Domain-A Histone Acylation Reader in Health and Disease. *Journal of Molecular Biology*, **2017**, 429, 1994-2002	6.5	50
89	Conserved TCP domain of Sas-4/CPAP is essential for pericentriolar material tethering during centrosome biogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E354-63	11.5	50
88	Structure-guided development of YEATS domain inhibitors by targeting stacking. *Nature Chemical Biology*, **2018**, 14, 1140-1149	11.7	48
87	Recognition of histone acetylation by the GAS41 YEATS domain promotes H2A.Z deposition in non-small cell lung cancer. *Genes and Development*, **2018**, 32, 58-69	12.6	47
86	Many keys to push: diversifying the QeadershipQof plant homeodomain fingers. *Acta Biochimica Et Biophysica Sinica*, **2012**, 44, 28-39	2.8	47
85	Crystal structure of human sulfotransferase SULT1A3 in complex with dopamine and 3Qphosphoadenosine 5Qphosphate. *Biochemical and Biophysical Research Communications*, **2005**, 335, 417-23	3.4	46
84	Molecular basis for CPAP-tubulin interaction in controlling centriolar and ciliary length. *Nature Communications*, **2016**, 7, 11874	17.4	45
83	Histone H3.3 phosphorylation amplifies stimulation-induced transcription. *Nature*, **2020**, 583, 852-857	50.4	43
82	An integrative drug repositioning framework discovered a potential therapeutic agent targeting COVID-19. *Signal Transduction and Targeted Therapy*, **2021**, 6, 165	21	40
81	Mammalian ALKBH1 serves as an N-mA demethylase of unpairing DNA. *Cell Research*, **2020**, 30, 197-210	24.7	38

80	ATRX tolerates activity-dependent histone H3 methyl/phos switching to maintain repetitive element silencing in neurons. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6820-7	11.5	38
79	Kinetic and high-throughput profiling of epigenetic interactions by 3D-carbene chip-based surface plasmon resonance imaging technology. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7245-E7254	11.5	37
78	Impaired cell fate through gain-of-function mutations in a chromatin reader. *Nature*, **2020**, 577, 121-126	50.4	36
77	Plasticity in designing PROTACs for selective and potent degradation of HDAC6. *Chemical Communications*, **2019**, 55, 14848-14851	5.8	36
76	Developing Spindlin1 small-molecule inhibitors by using protein microarrays. *Nature Chemical Biology*, **2017**, 13, 750-756	11.7	35
75	Systematic Profiling of Histone Readers in Arabidopsis thaliana. *Cell Reports*, **2018**, 22, 1090-1102	10.6	35
74	Comparison of perceived quality amongst migrant and local patients using primary health care delivered by community health centres in Shenzhen, China. *BMC Family Practice*, **2014**, 15, 76	2.6	33
73	Molecular basis for hierarchical histone de-□hydroxybutyrylation by SIRT3. *Cell Discovery*, **2019**, 5, 35	22.3	31
72	Comparing quality of public primary care between Hong Kong and Shanghai using validated patient assessment tools. *PLoS ONE*, **2015**, 10, e0121269	3.7	30
71	Changes in the perceived quality of primary care in Shanghai and Shenzhen, China: a difference-in-difference analysis. *Bulletin of the World Health Organization*, **2015**, 93, 407-16	8.2	29
70	An alpha motif at Tas3 C terminus mediates RITS cis spreading and promotes heterochromatic gene silencing. *Molecular Cell*, **2009**, 34, 155-67	17.6	29
69	The BAH domain of BAHD1 is a histone H3K27me3 reader. *Protein and Cell*, **2016**, 7, 222-6	7.2	28
68	Structure-Based Design of 6-Chloro-4-aminoquinazoline-2-carboxamide Derivatives as Potent and Selective p21-Activated Kinase 4 (PAK4) Inhibitors. *Journal of Medicinal Chemistry*, **2018**, 61, 265-285	8.3	28
67	Gas41 links histone acetylation to H2A.Z deposition and maintenance of embryonic stem cell identity. *Cell Discovery*, **2018**, 4, 28	22.3	27
66	YEATS domain: Linking histone crotonylation to gene regulation. *Transcription*, **2017**, 8, 9-14	4.8	26
65	Expanding RNA binding specificity and affinity of engineered PUF domains. *Nucleic Acids Research*, **2018**, 46, 4771-4782	20.1	25
64	Structural insights into the □□stacking mechanism and DNA-binding activity of the YEATS domain. *Nature Communications*, **2018**, 9, 4574	17.4	24
63	N-methyladenine in DNA antagonizes SATB1 in early development. *Nature*, **2020**, 583, 625-630	50.4	23

62	A comparison of the quality of hypertension management in primary care between Shanghai and Shenzhen: a cohort study of 3196 patients. *Medicine (United States)*, **2015**, 94, e455	1.8	22
61	CXCL17 promotes cell metastasis and inhibits autophagy via the LKB1-AMPK pathway in hepatocellular carcinoma. *Gene*, **2019**, 690, 129-136	3.8	21
60	Molecular basis for histone N-terminal methylation by NRMT1. *Genes and Development*, **2015**, 29, 2337-42	12.6	18
59	Reading between the Lines: "ADD"-ing Histone and DNA Methylation Marks toward a New Epigenetic "Sum". *ACS Chemical Biology*, **2016**, 11, 554-63	4.9	17
58	Crystal structures of SULT1A2 and SULT1A1 *3: insights into the substrate inhibition and the role of Tyr149 in SULT1A2. *Biochemical and Biophysical Research Communications*, **2010**, 396, 429-34	3.4	15
57	Interplay between the bacterial protein deacetylase CobB and the second messenger c-di-GMP. *EMBO Journal*, **2019**, 38, e100948	13	15
56	Identification and characterization of QreadersQfor novel histone modifications. *Current Opinion in Chemical Biology*, **2019**, 51, 57-65	9.7	13
55	Multifaceted Histone H3 Methylation and Phosphorylation Readout by the Plant Homeodomain Finger of Human Nuclear Antigen Sp100C. *Journal of Biological Chemistry*, **2016**, 291, 12786-12798	5.4	13
54	Identification of a Mycothiol-Dependent Nitroreductase from Mycobacterium tuberculosis. *ACS Infectious Diseases*, **2018**, 4, 771-787	5.5	12
53	Assessing the impact of general practitioner team service on perceived quality of care among patients with non-communicable diseases in China: a natural experimental study. *International Journal for Quality in Health Care*, **2016**, 28, 554-560	1.9	12
52	JMJD5 (Jumonji Domain-containing 5) Associates with Spindle Microtubules and Is Required for Proper Mitosis. *Journal of Biological Chemistry*, **2016**, 291, 4684-97	5.4	12
51	Inhibition of CPAP-tubulin interaction prevents proliferation of centrosome-amplified cancer cells. *EMBO Journal*, **2019**, 38,	13	12
50	Histone benzoylation serves as an epigenetic mark for DPF and YEATS family proteins. *Nucleic Acids Research*, **2021**, 49, 114-126	20.1	12
49	Design, synthesis, structure-activity relationships study and X-ray crystallography of 3-substituted-indolin-2-one-5-carboxamide derivatives as PAK4 inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 155, 197-209	6.8	12
48	Architecture of SAGA complex. *Cell Discovery*, **2019**, 5, 25	22.3	11
47	What are the similarities and differences in structure and function among the three main models of community health centers in China: a systematic review. *BMC Health Services Research*, **2015**, 15, 504	2.9	11
46	A Cross-Sectional Comparison of Perceived Quality of Primary Care by Hypertensive Patients in Shanghai and Shenzhen, China. *Medicine (United States)*, **2015**, 94, e1388	1.8	11
45	Selective Targeting of AF9 YEATS Domain by Cyclopeptide Inhibitors with Preorganized Conformation. *Journal of the American Chemical Society*, **2020**, 142, 21450-21459	16.4	9

44	Epidemiological investigation of suspected autism in children and implications for healthcare system: a mainstream kindergarten-based population study in Longhua District, Shenzhen. *BMC Pediatrics*, **2015**, 15, 207	2.6	9
43	Anterior Segment Optical Coherence Tomography and its Clinical Applications in Glaucoma. *Journal of Current Glaucoma Practice*, **2012**, 6, 68-74	1.1	9
42	Molecular basis for histone H3 "K4me3-K9me3/2" methylation pattern readout by Spindlin1. *Journal of Biological Chemistry*, **2020**, 295, 16877-16887	5.4	9
41	Understanding the phase separation characteristics of nucleocapsid protein provides a new therapeutic opportunity against SARS-CoV-2. *Protein and Cell*, **2021**, 12, 734-740	7.2	9
40	PRMT1-mediated H4R3me2a recruits SMARCA4 to promote colorectal cancer progression by enhancing EGFR signaling. *Genome Medicine*, **2021**, 13, 58	14.4	9
39	A cross-sectional study of the prevalence, awareness, treatment and control of hypertension in Shenzhen, China. *BMJ Open*, **2017**, 7, e015206	3	8
38	Molecular basis for histidine N3-specific methylation of actin H73 by SETD3. *Cell Discovery*, **2020**, 6, 3	22.3	8
37	Histone H3Q5 serotonylation stabilizes H3K4 methylation and potentiates its readout. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
36	Histone H1 defect in escort cells triggers germline tumor in Drosophila ovary. *Developmental Biology*, **2017**, 424, 40-49	3.1	7
35	Social capital and depression among migrant hypertensive patients in primary care. *Journal of the American Society of Hypertension*, **2018**, 12, 621-626		7
34	Molecular basis for histidine N1 position-specific methylation by CARNMT1. *Cell Research*, **2018**, 28, 494-496	24.7	5
33	A conserved BAH module within mammalian BAHD1 connects H3K27me3 to Polycomb gene silencing. *Nucleic Acids Research*, **2021**, 49, 4441-4455	20.1	5
32	Impact of local health insurance schemes on primary care management and control of hypertension: a cross-sectional study in Shenzhen, China. *BMJ Open*, **2019**, 9, e031098	3	5
31	Nucleolar localization signal and histone methylation reader function is required for SPIN1 to promote rRNA gene expression. *Biochemical and Biophysical Research Communications*, **2018**, 505, 325-332	3.4	5
30	Merging PROTAC and molecular glue for degrading BTK and GSPT1 proteins concurrently. *Cell Research*, **2021**, 31, 1315-1318	24.7	5
29	Diabetes in Shenzhen, China: epidemiological investigation and health care challenges. *Journal of Global Health*, **2017**, 7, 011102	4.3	4
28	Inequalities in Structural Social Capital and Health between Migrant and Local Hypertensive Patients. *Annals of Global Health*, **2019**, 85,	3.3	4
27	Nitrooxidoreductase Rv2466c-Dependent Fluorescent Probe for Mycobacterium tuberculosis Diagnosis and Drug Susceptibility Testing. *ACS Infectious Diseases*, **2019**, 5, 949-961	5.5	3

26	Histone Recognition by Tandem Modules and Modulation by Multiple PTMs **2015**, 149-172		3
25	Crystal structure of C-terminal desundecapeptide nitrite reductase from Achromobacter cycloclastes. *Biochemical and Biophysical Research Communications*, **2005**, 338, 1935-42	3.4	3
24	Chromatin profiling in human neurons reveals aberrant roles for histone acetylation and BET family proteins in schizophrenia.. *Nature Communications*, **2022**, 13, 2195	17.4	3
23	Cross-Sectional Study on the Management and Control of Hypertension Among Migrants in Primary Care: What Is the Impact of Segmented Health Insurance Schemes?. *Journal of the American Heart Association*, **2019**, 8, e012674	6	2
22	Structural and biochemical characterization of DAXX-ATRX interaction. *Protein and Cell*, **2017**, 8, 762-766	7.2	2
21	pH-profile crystal structure studies of C-terminal despentapeptide nitrite reductase from Achromobacter cycloclastes. *Biochemical and Biophysical Research Communications*, **2004**, 316, 107-13	3.4	2
20	Preliminary crystallographic studies of two C-terminally truncated copper-containing nitrite reductases from Achromobacter cycloclastes: changed crystallizing behaviors caused by residue deletion. *Biochemical and Biophysical Research Communications*, **2002**, 299, 173-6	3.4	2
19	Phosphorylation of the ancestral histone variant H3.3 amplifies stimulation-induced transcription		2
18	Can integrated health services delivery have an impact on hypertension management? A cross-sectional study in two cities of China. *International Journal for Equity in Health*, **2016**, 15, 193	4.6	1
17	Changes of the perceived quality of care for older patients with hypertension by community health centers in shanghai. *BMC Family Practice*, **2017**, 18, 114	2.6	1
16	Residential green and blue space associated with lower risk of adult-onset inflammatory bowel disease: Findings from a large prospective cohort study.. *Environment International*, **2022**, 160, 107084	12.9	1
15	Molecular basis for SPINDOC-Spindlin1 engagement and its role in transcriptional inhibition		1
14	Histone Modifications and Chondrocyte Fate: Regulation and Therapeutic Implications. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 626708	5.7	1
13	Maternal heterozygous mutation in CHEK1 leads to mitotic arrest in human zygotes. *Protein and Cell*, **2021**, 1	7.2	1
12	Molecular basis for bipartite recognition of histone H3 by the PZP domain of PHF14. *Nucleic Acids Research*, **2021**, 49, 8961-8973	20.1	1
11	Risk/benefit tradeoff of habitual physical activity and air pollution on chronic pulmonary obstructive disease: findings from a large prospective cohort study.. *BMC Medicine*, **2022**, 20, 70	11.4	1
10	Investigate Natural Product Indolmycin and the Synthetically Improved Analogue Toward Antimycobacterial Agents.. *ACS Chemical Biology*, **2021**,	4.9	1
9	Social capital, depressive symptoms, and perceived quality of care among hypertensive patients in primary care. *Health and Quality of Life Outcomes*, **2020**, 18, 378	3	0

8	Hypertension and Comorbidities in Rural and Urban Chinese Older People: An Epidemiological Subanalysis From the SAGE Study. *American Journal of Hypertension*, **2021**, 34, 183-189	2.3	0
7	Missing for partnership: understanding nucleosomal de novo DNA cytosine methylation by a spliced DNMT3 complex. *Signal Transduction and Targeted Therapy*, **2021**, 6, 36	21	0
6	Comparison of the management and control of hypertension by public and private primary care providers in Shenzhen, China. *Heliyon*, **2021**, 7, e06280	3.6	0
5	The PAF1 complex promotes 3Qprocessing of pervasive transcripts.. *Cell Reports*, **2022**, 38, 110519	10.6	0
4	Histidine methyltransferase SETD3 methylates structurally diverse histidine mimics in actin.. *Protein Science*, **2022**, 31, e4305	6.3	0
3	Cryo-EM structure of R-loop monoclonal antibody S9.6 in recognizing RNA:DNA hybrids.. *Journal of Genetics and Genomics*, **2022**,	4	0
2	Crystallography-Based Mechanistic Insights into Epigenetic Regulation **2015**, 125-147		
1	Elderly healthcare service at the community health centers in the Pearl River Delta region, China. *Family Medicine and Community Health*, **2013**, 1, 30-36	4.7	