Tony Kouzarides

List of Publications by Year in Descending Order

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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.

138 papers	48,030 citations	84 h-index	145 g-index
145 ext. papers	53,214 ext. citations	20.8 avg, IF	8.12 L-index

#	Paper	IF	Citations
138	RNA modifications detection by comparative Nanopore direct RNA sequencing. *Nature Communications*, **2021**, 12, 7198	17.4	18
137	Small-molecule inhibition of METTL3 as a strategy against myeloid leukaemia. *Nature*, **2021**, 593, 597-601	50.4	105
136	Identification of SARS-CoV-2-induced pathways reveals drug repurposing strategies. *Science Advances*, **2021**, 7,	14.3	13
135	Targeting the mA RNA modification pathway blocks SARS-CoV-2 and HCoV-OC43 replication. *Genes and Development*, **2021**, 35, 1005-1019	12.6	16
134	Methylation of histone H3 at lysine 37 by Set1 and Set2 prevents spurious DNA replication. *Molecular Cell*, **2021**, 81, 2793-2807.e8	17.6	6
133	Role of RNA modifications in cancer. *Nature Reviews Cancer*, **2020**, 20, 303-322	31.3	187
132	A computational platform for high-throughput analysis of RNA sequences and modifications by mass spectrometry. *Nature Communications*, **2020**, 11, 926	17.4	27
131	Further Evidence Supporting N7-Methylation of Guanosine (mG) in Human MicroRNAs. *Molecular Cell*, **2020**, 79, 201-202	17.6	5
130	RNA-modifying enzymes and their function in a chromatin context. *Nature Structural and Molecular Biology*, **2019**, 26, 858-862	17.6	14
129	Interaction of Sox2 with RNA binding proteins in mouse embryonic stem cells. *Experimental Cell Research*, **2019**, 381, 129-138	4.2	4
128	METTL1 Promotes let-7 MicroRNA Processing via m7G Methylation. *Molecular Cell*, **2019**, 74, 1278-1290.e9	17.6	130
127	Citrullination of HP1 chromodomain affects association with chromatin. *Epigenetics and Chromatin* , **2019**, 12, 21	5.8	11
126	Genomic positional conservation identifies topological anchor point RNAs linked to developmental loci. *Genome Biology*, **2018**, 19, 32	18.3	77
125	SRPK1 maintains acute myeloid leukemia through effects on isoform usage of epigenetic regulators including BRD4. *Nature Communications*, **2018**, 9, 5378	17.4	30
124	Phosphorylation of Histone H4T80 Triggers DNA Damage Checkpoint Recovery. *Molecular Cell*, **2018**, 72, 625-635.e4	17.6	15
123	DDX3X RNA helicase affects breast cancer cell cycle progression by regulating expression of KLF4. *FEBS Letters*, **2018**, 592, 2308-2322	3.8	17
122	Inhibition of the acetyltransferase NAT10 normalizes progeric and aging cells by rebalancing the Transportin-1 nuclear import pathway. *Science Signaling*, **2018**, 11,	8.8	28

121	RNA Binding by Histone Methyltransferases Set1 and Set2. *Molecular and Cellular Biology*, **2017**, 37,	4.8	21
120	Promoter-bound METTL3 maintains myeloid leukaemia by mA-dependent translation control. *Nature*, **2017**, 552, 126-131	50.4	500
119	A lncRNA fine tunes the dynamics of a cell state transition involving , and DNA methylation. *ELife*, **2017**, 6,	8.9	26
118	Discovery of I-BRD9, a Selective Cell Active Chemical Probe for Bromodomain Containing Protein 9 Inhibition. *Journal of Medicinal Chemistry*, **2016**, 59, 1425-39	8.3	135
117	A Chemical Probe for the ATAD2 Bromodomain. *Angewandte Chemie - International Edition*, **2016**, 55, 11382-6	16.4	53
116	Functional interdependence of BRD4 and DOT1L in MLL leukemia. *Nature Structural and Molecular Biology*, **2016**, 23, 673-81	17.6	69
115	A Chemical Probe for the ATAD2 Bromodomain. *Angewandte Chemie*, **2016**, 128, 11554-11558	3.6	9
114	BET inhibitor resistance emerges from leukaemia stem cells. *Nature*, **2015**, 525, 538-42	50.4	345
113	Generation of a Selective Small Molecule Inhibitor of the CBP/p300 Bromodomain for Leukemia Therapy. *Cancer Research*, **2015**, 75, 5106-5119	10.1	155
112	Post transcriptional control of the epigenetic stem cell regulator PLZF by sirtuin and HDAC deacetylases. *Epigenetics and Chromatin*, **2015**, 8, 38	5.8	8
111	The breast cancer oncogene EMSY represses transcription of antimetastatic microRNA miR-31. *Molecular Cell*, **2014**, 53, 806-18	17.6	43
110	Glutamine methylation in histone H2A is an RNA-polymerase-I-dedicated modification. *Nature*, **2014**, 505, 564-8	50.4	149
109	Citrullination regulates pluripotency and histone H1 binding to chromatin. *Nature*, **2014**, 507, 104-8	50.4	264
108	Up-regulation of the interferon-related genes in BRCA2 knockout epithelial cells. *Journal of Pathology*, **2014**, 234, 386-97	9.4	18
107	BET protein inhibition shows efficacy against JAK2V617F-driven neoplasms. *Leukemia*, **2014**, 28, 88-97	10.7	57
106	Histone core modifications regulating nucleosome structure and dynamics. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 703-8	48.7	599
105	S6 kinase 2 is bound to chromatin-nuclear matrix cellular fractions and is able to phosphorylate histone H3 at threonine 45 in vitro and in vivo. *Journal of Cellular Biochemistry*, **2014**, 115, 1048-62	4.7	8
104	The non-coding snRNA 7SK controls transcriptional termination, poising, and bidirectionality in embryonic stem cells. *Genome Biology*, **2013**, 14, R98	18.3	33

103	Human RNA methyltransferase BCDIN3D regulates microRNA processing. *Cell*, **2012**, 151, 278-88	56.2	111
102	Three distinct patterns of histone H3Y41 phosphorylation mark active genes. *Cell Reports*, **2012**, 2, 470-7	10.6	49
101	The PHD and chromo domains regulate the ATPase activity of the human chromatin remodeler CHD4. *Journal of Molecular Biology*, **2012**, 422, 3-17	6.5	51
100	Cancer epigenetics: from mechanism to therapy. *Cell*, **2012**, 150, 12-27	56.2	1932
99	Targeting epigenetic readers in cancer. *New England Journal of Medicine*, **2012**, 367, 647-57	59.2	315
98	ALKBH1 is a histone H2A dioxygenase involved in neural differentiation. *Stem Cells*, **2012**, 30, 2672-82	5.8	83
97	The S. pombe histone H2A dioxygenase Ofd2 regulates gene expression during hypoxia. *PLoS ONE*, **2012**, 7, e29765	3.7	11
96	Inhibition of BET recruitment to chromatin as an effective treatment for MLL-fusion leukaemia. *Nature*, **2011**, 478, 529-33	50.4	1144
95	Nuclear JAK2. *Blood*, **2011**, 118, 6987-8	2.2	5
94	LIF-independent JAK signalling to chromatin in embryonic stem cells uncovered from an adult stem cell disease. *Nature Cell Biology*, **2011**, 13, 13-21	23.4	101
93	Regulation of chromatin by histone modifications. *Cell Research*, **2011**, 21, 381-95	24.7	3303
92	A chromodomain switch mediated by histone H3 Lys 4 acetylation regulates heterochromatin assembly. *Genes and Development*, **2010**, 24, 647-52	12.6	74
91	Nucleosome-interacting proteins regulated by DNA and histone methylation. *Cell*, **2010**, 143, 470-84	56.2	448
90	Histone H3 lysine 4 methylation is associated with the transcriptional reprogramming efficiency of somatic nuclei by oocytes. *Epigenetics and Chromatin*, **2010**, 3, 4	5.8	34
89	Phosphorylation of histone H3 Thr-45 is linked to apoptosis. *Journal of Biological Chemistry*, **2009**, 284, 16575-16583	5.4	85
88	JAK2 phosphorylates histone H3Y41 and excludes HP1alpha from chromatin. *Nature*, **2009**, 461, 819-22	50.4	480
87	Histone H3 tail clipping regulates gene expression. *Nature Structural and Molecular Biology*, **2009**, 16, 17-22	17.6	113
86	An operational definition of epigenetics. *Genes and Development*, **2009**, 23, 781-3	12.6	1156

85	Distinct transcriptional outputs associated with mono- and dimethylated histone H3 arginine 2. *Nature Structural and Molecular Biology*, **2009**, 16, 449-51	17.6	41
84	Heritable gene repression through the action of a directed DNA methyltransferase at a chromosomal locus. *Journal of Biological Chemistry*, **2008**, 283, 9878-85	5.4	33
83	p300 is required for orderly G1/S transition in human cancer cells. *Oncogene*, **2007**, 26, 21-9	9.2	49
82	Histone arginine methylation regulates pluripotency in the early mouse embryo. *Nature*, **2007**, 445, 214-8	30.4	458
81	Arginine methylation at histone H3R2 controls deposition of H3K4 trimethylation. *Nature*, **2007**, 449, 928-32	50.4	282
80	Regulation of histone H3 lysine 56 acetylation in Schizosaccharomyces pombe. *Journal of Biological Chemistry*, **2007**, 282, 15040-7	5.4	55
79	Chromatin modifications and their function. *Cell*, **2007**, 128, 693-705	56.2	8008
78	SnapShot: Histone-modifying enzymes. *Cell*, **2007**, 128, 802	56.2	61
77	New nomenclature for chromatin-modifying enzymes. *Cell*, **2007**, 131, 633-6	56.2	745
76	SnapShot: Histone-modifying enzymes. *Cell*, **2007**, 131, 822	56.2	96
75	Genome-wide studies of histone demethylation catalysed by the fission yeast homologues of mammalian LSD1. *PLoS ONE*, **2007**, 2, e386	3.7	29
74	Directed De Novo DNA Methylation of a Genomic Locus Leads to Heritable Transcriptional Repression.. *Blood*, **2007**, 110, 343-343	2.2	
73	Differential expression of selected histone modifier genes in human solid cancers. *BMC Genomics*, **2006**, 7, 90	4.5	186
72	Proline isomerization of histone H3 regulates lysine methylation and gene expression. *Cell*, **2006**, 126, 905-16	56.2	238
71	Dynamic distribution of the replacement histone variant H3.3 in the mouse oocyte and preimplantation embryos. *International Journal of Developmental Biology*, **2006**, 50, 455-61	1.9	193
70	Blimp1 associates with Prmt5 and directs histone arginine methylation in mouse germ cells. *Nature Cell Biology*, **2006**, 8, 623-30	23.4	377
69	Crystal structure of the ENT domain of human EMSY. *Journal of Molecular Biology*, **2005**, 350, 964-73	6.5	19
68	Myc represses transcription through recruitment of DNA methyltransferase corepressor. *EMBO Journal*, **2005**, 24, 336-46	13	335

67	Binding of EMSY to HP1beta: implications for recruitment of HP1beta and BS69. *EMBO Reports*, **2005**, 6, 675-80	6.5	26
66	Reversing histone methylation. *Nature*, **2005**, 436, 1103-6	50.4	381
65	Spatial distribution of di- and tri-methyl lysine 36 of histone H3 at active genes. *Journal of Biological Chemistry*, **2005**, 280, 17732-6	5.4	304
64	Human but not yeast CHD1 binds directly and selectively to histone H3 methylated at lysine 4 via its tandem chromodomains. *Journal of Biological Chemistry*, **2005**, 280, 41789-92	5.4	284
63	Isothiazolones as inhibitors of PCAF and p300 histone acetyltransferase activity. *Molecular Cancer Therapeutics*, **2005**, 4, 1521-32	6.1	186
62	Amplification of the BRCA2 pathway gene EMSY in sporadic breast cancer is related to negative outcome. *Clinical Cancer Research*, **2004**, 10, 5785-91	12.9	59
61	Methylation of H3 lysine 4 at euchromatin promotes Sir3p association with heterochromatin. *Journal of Biological Chemistry*, **2004**, 279, 47506-12	5.4	94
60	Direct binding of INHAT to H3 tails disrupted by modifications. *Journal of Biological Chemistry*, **2004** , 279, 23859-62	5.4	63
59	Histone H3 lysine 4 methylation patterns in higher eukaryotic genes. *Nature Cell Biology*, **2004**, 6, 73-7	23.4	615
58	Histone methylation: recognizing the methyl mark. *Methods in Enzymology*, **2004**, 376, 269-88	1.7	69
57	Histone deimination antagonizes arginine methylation. *Cell*, **2004**, 118, 545-53	56.2	655
56	Methylation of histone H4 lysine 20 controls recruitment of Crb2 to sites of DNA damage. *Cell*, **2004**, 119, 603-14	56.2	469
55	Both the Activity and Stability of the Transcriptional Repressor PLZF Are Modified by the Class III Histone Deacetylase SIRT1.. *Blood*, **2004**, 104, 360-360	2.2	
54	The methyl-CpG-binding protein MeCP2 links DNA methylation to histone methylation. *Journal of Biological Chemistry*, **2003**, 278, 4035-40	5.4	729
53	Consequences of the depletion of zygotic and embryonic enhancer of zeste 2 during preimplantation mouse development. *Development (Cambridge)*, **2003**, 130, 4235-48	6.6	246
52	The DNA methyltransferases associate with HP1 and the SUV39H1 histone methyltransferase. *Nucleic Acids Research*, **2003**, 31, 2305-12	20.1	550
51	The Tudor domain 'Royal Family': Tudor, plant Agenet, Chromo, PWWP and MBT domains. *Trends in Biochemical Sciences*, **2003**, 28, 69-74	10.3	397
50	EMSY links the BRCA2 pathway to sporadic breast and ovarian cancer. *Cell*, **2003**, 115, 523-35	56.2	345

49	Methylation of histone H3 K4 mediates association of the Isw1p ATPase with chromatin. *Molecular Cell*, **2003**, 12, 1325-32	17.6	218
48	A novel human Ada2 homologue functions with Gcn5 or Brg1 to coactivate transcription. *Molecular and Cellular Biology*, **2003**, 23, 6944-57	4.8	51
47	Mechanisms of P/CAF auto-acetylation. *Nucleic Acids Research*, **2003**, 31, 4285-92	20.1	85
46	cis-acting DNA from fission yeast centromeres mediates histone H3 methylation and recruitment of silencing factors and cohesin to an ectopic site. *Current Biology*, **2002**, 12, 1652-60	6.3	153
45	Crosstalk between CARM1 methylation and CBP acetylation on histone H3. *Current Biology*, **2002**, 12, 2090-7	6.3	242
44	Unsafe SETs: histone lysine methyltransferases and cancer. *Trends in Biochemical Sciences*, **2002**, 27, 396-402	10.3	246
43	Active genes are tri-methylated at K4 of histone H3. *Nature*, **2002**, 419, 407-11	50.4	1606
42	Structure of the HP1 chromodomain bound to histone H3 methylated at lysine 9. *Nature*, **2002**, 416, 103-7	50.4	505
41	Human SIR2 deacetylates p53 and antagonizes PML/p53-induced cellular senescence. *EMBO Journal*, **2002**, 21, 2383-96	13	676
40	The SUMO E3 ligase RanBP2 promotes modification of the HDAC4 deacetylase. *EMBO Journal*, **2002**, 21, 2682-91	13	258
39	Dnmt3L is a transcriptional repressor that recruits histone deacetylase. *Nucleic Acids Research*, **2002** , 30, 3831-8	20.1	142
38	Acetylation of beta-catenin by CREB-binding protein (CBP). *Journal of Biological Chemistry*, **2002**, 277, 25562-7	5.4	142
37	Histone H3 lysine 4 methylation disrupts binding of nucleosome remodeling and deacetylase (NuRD) repressor complex. *Journal of Biological Chemistry*, **2002**, 277, 11621-4	5.4	197
36	Methylation of histone H3 Lys 4 in coding regions of active genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 8695-700	11.5	593
35	Methylation at arginine 17 of histone H3 is linked to gene activation. *EMBO Reports*, **2002**, 3, 39-44	6.5	253
34	Histone methylation: dynamic or static?. *Cell*, **2002**, 109, 801-6	56.2	428
33	Histone methylation in transcriptional control. *Current Opinion in Genetics and Development*, **2002**, 12, 198-209	4.9	744
32	Methyltransferase recruitment and DNA hypermethylation of target promoters by an oncogenic transcription factor. *Science*, **2002**, 295, 1079-82	33.3	695

31	Selective recognition of methylated lysine 9 on histone H3 by the HP1 chromo domain. *Nature*, **2001**, 410, 120-4	50.4	2213
30	Rb targets histone H3 methylation and HP1 to promoters. *Nature*, **2001**, 412, 561-5	50.4	755
29	MCM3AP, a novel acetyltransferase that acetylates replication protein MCM3. *EMBO Reports*, **2001**, 2, 119-23	6.5	73
28	DNA methyltransferase Dnmt1 associates with histone deacetylase activity. *Nature Genetics*, **2000**, 24, 88-91	36.3	804
27	Mutations truncating the EP300 acetylase in human cancers. *Nature Genetics*, **2000**, 24, 300-3	36.3	482
26	The putative tumour suppressor Fus-2 is an N-acetyltransferase. *Oncogene*, **2000**, 19, 161-3	9.2	9
25	The BRCA2 activation domain associates with and is phosphorylated by a cellular protein kinase. *Oncogene*, **2000**, 19, 4441-5	9.2	18
24	Regulation of E2F1 activity by acetylation. *EMBO Journal*, **2000**, 19, 662-71	13	570
23	The co-repressor mSin3A is a functional component of the REST-CoREST repressor complex. *Journal of Biological Chemistry*, **2000**, 275, 9461-7	5.4	184
22	Acetylation of importin-alpha nuclear import factors by CBP/p300. *Current Biology*, **2000**, 10, 467-70	6.3	162
21	The E7 oncoprotein associates with Mi2 and histone deacetylase activity to promote cell growth. *EMBO Journal*, **1999**, 18, 2449-58	13	273
20	Retinoblastoma protein meets chromatin. *Trends in Biochemical Sciences*, **1999**, 24, 142-5	10.3	119
19	Histone acetylases and deacetylases in cell proliferation. *Current Opinion in Genetics and Development*, **1999**, 9, 40-8	4.9	536
18	CBP/p300 integrates Raf/Rac-signaling pathways in the transcriptional induction of NF-ATc during T cell activation. *Immunity*, **1999**, 10, 515-24	32.3	91
17	Characterization of an E1A-CBP interaction defines a novel transcriptional adapter motif (TRAM) in CBP/p300. *Journal of Virology*, **1999**, 73, 3574-81	6.6	63
16	Epstein-Barr virus nuclear antigen 3C interacts with histone deacetylase to repress transcription. *Journal of Virology*, **1999**, 73, 5688-97	6.6	131
15	The maize retinoblastoma protein homologue ZmRb-1 is regulated during leaf development and displays conserved interactions with G1/S regulators and plant cyclin D (CycD) proteins. *Plant Molecular Biology*, **1998**, 37, 155-69	4.6	125
14	Retinoblastoma protein recruits histone deacetylase to repress transcription. *Nature*, **1998**, 391, 597-601	50.4	1092

13	BRCA2 associates with acetyltransferase activity when bound to P/CAF. *Oncogene*, **1998**, 17, 2531-4	9.2	83
12	The HMG-box transcription factor HBP1 is targeted by the pocket proteins and E1A. *Oncogene*, **1997**, 14, 2721-8	9.2	60
11	Structure/Function and Oncogenic Conversion of Fos and Jun **1997**, 223-247		
10	The TAF(II)250 subunit of TFIID has histone acetyltransferase activity. *Cell*, **1996**, 87, 1261-70	56.2	632
9	Repression of RNA polymerase III transcription by the retinoblastoma protein. *Nature*, **1996**, 382, 88-90	50.4	186
8	The CBP co-activator is a histone acetyltransferase. *Nature*, **1996**, 384, 641-3	50.4	1540
7	The CBP co-activator stimulates E2F1/DP1 activity. *Nucleic Acids Research*, **1996**, 24, 4139-45	20.1	102
6	Stimulation of E2F1/DP1 transcriptional activity by MDM2 oncoprotein. *Nature*, **1995**, 375, 691-4	50.4	439
5	c-Jun is phosphorylated by the DNA-dependent protein kinase in vitro; definition of the minimal kinase recognition motif. *Nucleic Acids Research*, **1993**, 21, 1289-95	20.1	101
4	The retinoblastoma protein binds E2F residues required for activation in vivo and TBP binding in vitro. *Nucleic Acids Research*, **1993**, 21, 4998-5004	20.1	130
3	Basic peptides enhance protein/DNA interaction in vitro. *Nucleic Acids Research*, **1992**, 20, 3523	20.1	17
2	Leucine zippers of fos, jun and GCN4 dictate dimerization specificity and thereby control DNA binding. *Nature*, **1989**, 340, 568-71	50.4	261
1	RNA modifications detection by comparative Nanopore direct RNA sequencing		33