

William S Lane

List of Publications by Year in descending order

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80
papers

21,065
citations

14655

66
h-index

62596

80
g-index

80
all docs

80
docs citations

80
times ranked

22389
citing authors

#	ARTICLE	IF	CITATIONS
1	Diurnal Rhythms Spatially and Temporally Organize Autophagy. <i>Cell Reports</i> , 2019, 26, 1880-1892.e6.	6.4	47
2	Histone Deacetylase 10 Regulates DNA Mismatch Repair and May Involve the Deacetylation of MutS Homolog 2. <i>Journal of Biological Chemistry</i> , 2015, 290, 22795-22804.	3.4	43
3	A signaling network stimulated by β_2 integrin promotes the polarization of lytic granules in cytotoxic cells. <i>Science Signaling</i> , 2014, 7, ra96.	3.6	59
4	A Phospho-SIM in the Antiviral Protein PML is Required for Its Recruitment to HSV-1 Genomes. <i>Cells</i> , 2014, 3, 1131-1158.	4.1	3
5	SIRT1 Negatively Regulates the Activities, Functions, and Protein Levels of hMOF and TIP60. <i>Molecular and Cellular Biology</i> , 2012, 32, 2823-2836.	2.3	81
6	SIRT1 Deacetylates the DNA Methyltransferase 1 (DNMT1) Protein and Alters Its Activities. <i>Molecular and Cellular Biology</i> , 2011, 31, 4720-4734.	2.3	178
7	The ATDC (TRIM29) Protein Binds p53 and Antagonizes p53-Mediated Functions. <i>Molecular and Cellular Biology</i> , 2010, 30, 3004-3015.	2.3	98
8	Insulin-stimulated Phosphorylation of the Rab GTPase-activating Protein TBC1D1 Regulates GLUT4 Translocation. <i>Journal of Biological Chemistry</i> , 2009, 284, 30016-30023.	3.4	75
9	ATM activates p53 by regulating MDM2 oligomerization and E3 processivity. <i>EMBO Journal</i> , 2009, 28, 3857-3867.	7.8	133
10	Inhibition of GLUT4 Translocation by Tbc1d1, a Rab GTPase-activating Protein Abundant in Skeletal Muscle, Is Partially Relieved by AMP-activated Protein Kinase Activation. <i>Journal of Biological Chemistry</i> , 2008, 283, 9187-9195.	3.4	133
11	SIRT1 Regulates the Function of the Nijmegen Breakage Syndrome Protein. <i>Molecular Cell</i> , 2007, 27, 149-162.	9.7	260
12	HDAC6 Modulates Cell Motility by Altering the Acetylation Level of Cortactin. <i>Molecular Cell</i> , 2007, 27, 197-213.	9.7	626
13	Proteomics of Neuroendocrine Secretory Vesicles Reveal Distinct Functional Systems for Biosynthesis and Exocytosis of Peptide Hormones and Neurotransmitters. <i>Journal of Proteome Research</i> , 2007, 6, 1652-1665.	3.7	44
14	The 47kDa Akt substrate associates with phosphodiesterase 3B and regulates its level in adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 1218-1222.	2.1	15
15	ING Tumor Suppressor Proteins Are Critical Regulators of Chromatin Acetylation Required for Genome Expression and Perpetuation. <i>Molecular Cell</i> , 2006, 21, 51-64.	9.7	589
16	Acetylation of the p53 DNA-Binding Domain Regulates Apoptosis Induction. <i>Molecular Cell</i> , 2006, 24, 841-851.	9.7	647
17	Proteomic analysis of sperm regions that mediate sperm-egg interactions. <i>Proteomics</i> , 2006, 6, 3533-3543.	2.2	111
18	Adipocytes contain a novel complex similar to the tuberous sclerosis complex. <i>Cellular Signalling</i> , 2006, 18, 1626-1632.	3.6	19

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19	Histone sumoylation is a negative regulator in <i>Saccharomyces cerevisiae</i> and shows dynamic interplay with positive-acting histone modifications. <i>Genes and Development</i> , 2006, 20, 966-976.	5.9	282
20	AS160, the Akt substrate regulating GLUT4 translocation, has a functional Rab GTPase-activating protein domain. <i>Biochemical Journal</i> , 2005, 391, 87-93.	3.7	364
21	ATM and Chk2-dependent phosphorylation of MDMX contribute to p53 activation after DNA damage. <i>EMBO Journal</i> , 2005, 24, 3411-3422.	7.8	221
22	Novel insulin-elicited phosphoproteins in adipocytes. <i>Cellular Signalling</i> , 2005, 17, 59-66.	3.6	36
23	A Human Protein Complex Homologous to the Drosophila MSL Complex Is Responsible for the Majority of Histone H4 Acetylation at Lysine 16. <i>Molecular and Cellular Biology</i> , 2005, 25, 9175-9188.	2.3	292
24	Functional Characterization of Core Promoter Elements: DPE-Specific Transcription Requires the Protein Kinase CK2 and the PC4 Coactivator. <i>Molecular Cell</i> , 2005, 18, 471-481.	9.7	63
25	Structural and Functional Conservation of the NuA4 Histone Acetyltransferase Complex from Yeast to Humans. <i>Molecular and Cellular Biology</i> , 2004, 24, 1884-1896.	2.3	516
26	The c-MYC Oncoprotein Is a Substrate of the Acetyltransferases hGCN5/PCAF and TIP60. <i>Molecular and Cellular Biology</i> , 2004, 24, 10826-10834.	2.3	299
27	Comprehensive Proteomic Analysis of Interphase and Mitotic 14-3-3-binding Proteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 32046-32054.	3.4	195
28	Biochemical characterization of symbiosome membrane proteins from <i>Medicago truncatula</i> root nodules. <i>Electrophoresis</i> , 2004, 25, 519-531.	2.4	132
29	HnRNP L stimulates splicing of the eNOS gene by binding to variable-length CA repeats. <i>Nature Structural Biology</i> , 2003, 10, 33-37.	9.7	143
30	Isolation of human NURF: a regulator of Engrailed gene expression. <i>EMBO Journal</i> , 2003, 22, 6089-6100.	7.8	151
31	Yeast Enhancer of Polycomb defines global Esa1-dependent acetylation of chromatin. <i>Genes and Development</i> , 2003, 17, 1415-1428.	5.9	187
32	Insulin-stimulated Phosphorylation of a Rab GTPase-activating Protein Regulates GLUT4 Translocation. <i>Journal of Biological Chemistry</i> , 2003, 278, 14599-14602.	3.4	790
33	Functional Analysis of the Subunits of the Chromatin Assembly Factor RSF. <i>Molecular and Cellular Biology</i> , 2003, 23, 6759-6768.	2.3	105
34	A Candidate X-linked Mental Retardation Gene Is a Component of a New Family of Histone Deacetylase-containing Complexes. <i>Journal of Biological Chemistry</i> , 2003, 278, 7234-7239.	3.4	162
35	Cathepsin L in secretory vesicles functions as a prohormone-processing enzyme for production of the enkephalin peptide neurotransmitter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9590-9595.	7.1	199
36	Human Elongator facilitates RNA polymerase II transcription through chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1241-1246.	7.1	149

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37	Insulin Receptor Substrate 4 Associates with the Protein IRAS. <i>Journal of Biological Chemistry</i> , 2002, 277, 19439-19447.	3.4	44
38	A core-BRAF35 complex containing histone deacetylase mediates repression of neuronal-specific genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7420-7425.	7.1	279
39	A Method to Identify Serine Kinase Substrates. <i>Journal of Biological Chemistry</i> , 2002, 277, 22115-22118.	3.4	442
40	Convergence of the Fanconi Anemia and Ataxia Telangiectasia Signaling Pathways. <i>Cell</i> , 2002, 109, 459-472.	28.9	421
41	Direct identification of PTEN phosphorylation sites. <i>FEBS Letters</i> , 2002, 528, 145-153.	2.8	193
42	Regulation of Histone Acetylation and Transcription by INHAT, a Human Cellular Complex Containing the Set Oncoprotein. <i>Cell</i> , 2001, 104, 119-130.	28.9	441
43	BACH1, a Novel Helicase-like Protein, Interacts Directly with BRCA1 and Contributes to Its DNA Repair Function. <i>Cell</i> , 2001, 105, 149-160.	28.9	606
44	The p400 Complex Is an Essential E1A Transformation Target. <i>Cell</i> , 2001, 106, 297-307.	28.9	282
45	RBP1 Recruits the mSIN3-Histone Deacetylase Complex to the Pocket of Retinoblastoma Tumor Suppressor Family Proteins Found in Limited Discrete Regions of the Nucleus at Growth Arrest. <i>Molecular and Cellular Biology</i> , 2001, 21, 2918-2932.	2.3	177
46	The Yeast NuA4 and Drosophila MSL Complexes Contain Homologous Subunits Important for Transcription Regulation. <i>Journal of Biological Chemistry</i> , 2001, 276, 3484-3491.	3.4	123
47	Role of an ING1 Growth Regulator in Transcriptional Activation and Targeted Histone Acetylation by the NuA4 Complex. <i>Molecular and Cellular Biology</i> , 2001, 21, 7629-7640.	2.3	90
48	Histone Deacetylase 1 Phosphorylation Promotes Enzymatic Activity and Complex Formation. <i>Journal of Biological Chemistry</i> , 2001, 276, 47733-47741.	3.4	220
49	A Mammalian Homolog of Yeast MOB1 Is Both a Member and a Putative Substrate of Striatin Family-Protein Phosphatase 2A Complexes. <i>Journal of Biological Chemistry</i> , 2001, 276, 24253-24260.	3.4	83
50	A Naturally Processed Mitochondrial Self-Peptide in Complex with Thymic Mhc Molecules Functions as a Selecting Ligand for a Viral-Specific T Cell Receptor. <i>Journal of Experimental Medicine</i> , 2001, 194, 883-892.	8.5	31
51	ATM phosphorylation of Nijmegen breakage syndrome protein is required in a DNA damage response. <i>Nature</i> , 2000, 405, 477-482.	27.8	415
52	Cloning and preliminary characterization of a 105 kDa protein with an N-terminal kinase-like domain. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1517, 148-152.	2.4	18
53	WD40 Repeat Proteins Striatin and S/G2 Nuclear Autoantigen Are Members of a Novel Family of Calmodulin-binding Proteins That Associate with Protein Phosphatase 2A. <i>Journal of Biological Chemistry</i> , 2000, 275, 5257-5263.	3.4	169
54	Purification and Characterization of a Human Factor That Assembles and Remodels Chromatin. <i>Journal of Biological Chemistry</i> , 2000, 275, 14787-14790.	3.4	146

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55	Multiple Links between the NuA4 Histone Acetyltransferase Complex and Epigenetic Control of Transcription. <i>Molecular Cell</i> , 2000, 5, 927-937.	9.7	252
56	BRCA1 Is Associated with a Human SWI/SNF-Related Complex. <i>Cell</i> , 2000, 102, 257-265.	28.9	504
57	A core SMRT corepressor complex containing HDAC3 and TBL1, a WD40-repeat protein linked to deafness. <i>Genes and Development</i> , 2000, 14, 1048-1057.	5.9	412
58	A Protein Phosphatase Methyltransferase (PME-1) Is One of Several Novel Proteins Stably Associating with Two Inactive Mutants of Protein Phosphatase 2A. <i>Journal of Biological Chemistry</i> , 1999, 274, 14382-14391.	3.4	171
59	The chromatin-specific transcription elongation factor FACT comprises human SPT16 and SSRP1 proteins. <i>Nature</i> , 1999, 400, 284-288.	27.8	497
60	Interaction of the Ski Oncoprotein with Smad3 Regulates TGF- β Signaling. <i>Molecular Cell</i> , 1999, 4, 499-509.	9.7	257
61	latheo Encodes a Subunit of the Origin Recognition Complex and Disrupts Neuronal Proliferation and Adult Olfactory Memory When Mutant. <i>Neuron</i> , 1999, 23, 45-54.	8.1	104
62	Activator-Specific Requirement of Yeast Mediator Proteins for RNA Polymerase II Transcriptional Activation. <i>Molecular and Cellular Biology</i> , 1999, 19, 979-988.	2.3	78
63	Repair of oxidatively damaged guanine in <i>Saccharomyces cerevisiae</i> by an alternative pathway. <i>Current Biology</i> , 1998, 8, 393-404.	3.9	79
64	The Dermatomyositis-Specific Autoantigen Mi2 Is a Component of a Complex Containing Histone Deacetylase and Nucleosome Remodeling Activities. <i>Cell</i> , 1998, 95, 279-289.	28.9	745
65	Rabbit β -Globin Is Extended Beyond Its UGA Stop Codon by Multiple Suppressions and Translational Reading Gaps. <i>Biochemistry</i> , 1998, 37, 10866-10870.	2.5	200
66	Association of Acyl-CoA Synthetase-1 with GLUT4-containing Vesicles. <i>Journal of Biological Chemistry</i> , 1998, 273, 3132-3135.	3.4	53
67	Sortilin Is the Major 110-kDa Protein in GLUT4 Vesicles from Adipocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 3582-3587.	3.4	126
68	A Novel 160-kDa Phosphotyrosine Protein in Insulin-treated Embryonic Kidney Cells Is a New Member of the Insulin Receptor Substrate Family. <i>Journal of Biological Chemistry</i> , 1997, 272, 21403-21407.	3.4	322
69	The 60-kDa Phosphotyrosine Protein in Insulin-treated Adipocytes Is a New Member of the Insulin Receptor Substrate Family. <i>Journal of Biological Chemistry</i> , 1997, 272, 11439-11443.	3.4	264
70	The critical active-site amine of the human 8-oxoguanine DNA glycosylase, hOgg1: direct identification, ablation and chemical reconstitution. <i>Chemistry and Biology</i> , 1997, 4, 693-702.	6.0	150
71	Cloning of a yeast 8-oxoguanine DNA glycosylase reveals the existence of a base-excision DNA-repair protein superfamily. <i>Current Biology</i> , 1996, 6, 968-980.	3.9	447
72	Role of IRS-2 in insulin and cytokine signalling. <i>Nature</i> , 1995, 377, 173-177.	27.8	834

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73	pCyP B: A Chloroplast-Localized, Heat Shock-Responsive Cyclophilin from Fava Bean. <i>Plant Cell</i> , 1994, 6, 885.	6.6	12
74	A mammalian protein targeted by G1-arresting rapamycin receptor complex. <i>Nature</i> , 1994, 369, 756-758.	27.8	1,829
75	DNA topoisomerase I is involved in both repression and activation of transcription. <i>Nature</i> , 1993, 365, 227-232.	27.8	361
76	Dr1, a TATA-binding protein-associated phosphoprotein and inhibitor of class II gene transcription. <i>Cell</i> , 1992, 70, 477-489.	28.9	389
77	A rapamycin-selective 25-kDa immunophilin. <i>Biochemistry</i> , 1992, 31, 2427-2434.	2.5	135
78	Predominant naturally processed peptides bound to HLA-DR1 are derived from MHC-related molecules and are heterogeneous in size. <i>Nature</i> , 1992, 358, 764-768.	27.8	765
79	Rapamycin and FK506 binding proteins (immunophilins). <i>Journal of the American Chemical Society</i> , 1991, 113, 1409-1411.	13.7	145
80	Cloning of a human gene encoding the general transcription initiation factor IIB. <i>Nature</i> , 1991, 352, 689-695.	27.8	307