Alejandro Vaquero

List of Publications by Year
in descending order

60	6,021	117625	161849
papers	citations	34 h-index	54 g-index

65	65	65	8516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human SirT1 Interacts with Histone H1 and Promotes Formation of Facultative Heterochromatin. Molecular Cell, 2004, 16, 93-105.	9.7	796
2	SirT2 is a histone deacetylase with preference for histone H4 Lys 16 during mitosis. Genes and Development, 2006, 20, 1256-1261.	5.9	535
3	SirT3 is a nuclear NAD+-dependent histone deacetylase that translocates to the mitochondria upon cellular stress. Genes and Development, 2007, 21, 920-928.	5.9	409
4	SIRT1 regulates the histone methyl-transferase SUV39H1 during heterochromatin formation. Nature, 2007, 450, 440-444.	27.8	380
5	Composition and histone substrates of polycomb repressive group complexes change during cellular differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1859-1864.	7.1	371
6	L3MBTL1, a Histone-Methylation-Dependent Chromatin Lock. Cell, 2007, 129, 915-928.	28.9	318
7	The Dual Role of Sirtuins in Cancer. Genes and Cancer, 2011, 2, 648-662.	1.9	281
8	NAD+-dependent deacetylation of H4 lysine 16 by class III HDACs. Oncogene, 2007, 26, 5505-5520.	5.9	259
9	The tumor suppressor SirT2 regulates cell cycle progression and genome stability by modulating the mitotic deposition of H4K20 methylation. Genes and Development, 2013, 27, 639-653.	5.9	232
10	<scp>SIRT</scp> 7 promotes genome integrity and modulates nonâ€homologous end joining <scp>DNA</scp> repair. EMBO Journal, 2016, 35, 1488-1503.	7.8	211
11	The Constantly Changing Face of Chromatin. Science of Aging Knowledge Environment: SAGE KE, 2003, 2003, 4re-4.	0.8	147
12	Calorie restriction and the exercise of chromatin. Genes and Development, 2009, 23, 1849-1869.	5.9	130
13	The Diversity of Histone Versus Nonhistone Sirtuin Substrates. Genes and Cancer, 2013, 4, 148-163.	1.9	119
14	Stabilization of Suv39H1 by SirT1 Is Part of Oxidative Stress Response and Ensures Genome Protection. Molecular Cell, 2011, 42, 210-223.	9.7	115
15	Sirtuinâ€dependent epigenetic regulation in the maintenance of genome integrity. FEBS Journal, 2015, 282, 1745-1767.	4.7	114
16	The conserved role of sirtuins in chromatin regulation. International Journal of Developmental Biology, 2009, 53, 303-322.	0.6	102
17	The microRNA-449 family inhibits TGF-Î²-mediated liver cancer cell migration by targeting SOX4. Journal of Hepatology, 2017, 66, 1012-1021.	3.7	102
18	The N-terminal POZ Domain of GAGA Mediates the Formation of Oligomers That Bind DNA with High Affinity and Specificity. Journal of Biological Chemistry, 1999, 274, 16461-16469.	3.4	95

#	Article	IF	Citations
19	The Embryonic Linker Histone H1 Variant of Drosophila, dBigH1, Regulates Zygotic Genome Activation. Developmental Cell, 2013, 26, 578-590.	7.0	91
20	Sirtuins in stress response: guardians of the genome. Oncogene, 2014, 33, 3764-3775.	5.9	91
21	Sirt7 promotes adipogenesis in the mouse by inhibiting autocatalytic activation of Sirt1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8352-E8361.	7.1	88
22	KAT6B Is a Tumor Suppressor Histone H3 Lysine 23 Acetyltransferase Undergoing Genomic Loss in Small Cell Lung Cancer. Cancer Research, 2015, 75, 3936-3945.	0.9	65
23	Dietary Restriction: Standing Up for Sirtuins. Science, 2010, 329, 1012-1013.	12.6	63
24	Mammalian HP1 Isoforms Have Specific Roles in Heterochromatin Structure and Organization. Cell Reports, 2017, 21, 2048-2057.	6.4	63
25	Characterization of Drosophila melanogaster JmjC+N histone demethylases. Nucleic Acids Research, 2008, 36, 2852-2863.	14.5	58
26	SIRT7 mediates L1 elements transcriptional repression and their association with the nuclear lamina. Nucleic Acids Research, 2019, 47, 7870-7885.	14.5	55
27	Arachidonic and oleic acid exert distinct effects on the DNA methylome. Epigenetics, 2016, 11, 321-334.	2.7	52
28	Drosophila melanogaster linker histone dH1 is required for transposon silencing and to preserve genome integrity. Nucleic Acids Research, 2012, 40, 5402-5414.	14.5	51
29	Analysis of the Effects of Daunorubicin and WP631 on Transcription. Current Medicinal Chemistry, 2001, 8, 1-8.	2.4	46
30	SIRT6-dependent cysteine monoubiquitination in the PRE-SET domain of Suv39h1 regulates the NF-ÎºB pathway. Nature Communications, 2018, 9, 101.	12.8	46
31	A View on the Role of Epigenetics in the Biology of Malaria Parasites. PLoS Pathogens, 2012, 8, e1002943.	4.7	43
32	The GAGA Factor of Drosophila Binds Triple-stranded DNA. Journal of Biological Chemistry, 1998, 273, 24640-24648.	3.4	41
33	SIRT1/2 orchestrate acquisition of DNA methylation and loss of histone H3 activating marks to prevent premature activation of inflammatory genes in macrophages. Nucleic Acids Research, 2020, 48, 665-681.	14.5	39
34	Combined bottom-up and top-down mass spectrometry analyses of the pattern of post-translational modifications of Drosophila melanogaster linker histone H1. Journal of Proteomics, 2012, 75, 4124-4138.	2.4	38
35	Loss of <scp>SIRT</scp>2 leads to axonal degeneration and locomotor disability associated with redox and energy imbalance. Aging Cell, 2017, 16, 1404-1413.	6.7	36
36	SirT7 auto-ADP-ribosylation regulates glucose starvation response through mH2A1. Science Advances, 2020, 6, eaaz2590.	10.3	33

#	Article	IF	Citations
37	Functional Mapping of the GAGA Factor Assigns Its Transcriptional Activity to the C-terminal Glutamine-rich Domain. Journal of Biological Chemistry, 2000, 275, 19461-19468.	3.4	32
38	SIRT7-dependent deacetylation of NPM promotes p53 stabilization following UV-induced genotoxic stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
39	SIRT1 activation with neuroheal is neuroprotective but SIRT2 inhibition with AK7 is detrimental for disconnected motoneurons. Cell Death and Disease, 2018, 9, 531.	6.3	26
40	Chromatin regulation by Histone H4 acetylation at Lysine 16 during cell death and differentiation in the myeloid compartment. Nucleic Acids Research, 2019, 47, 5016-5037.	14.5	23
41	An HP1 isoform-specific feedback mechanism regulates Suv39h1 activity under stress conditions. Epigenetics, 2017, 12, 166-175.	2.7	22
42	At the crossroad of lifespan, calorie restriction, chromatin and disease: Meeting on sirtuins. Cell Cycle, 2010, 9, 1907-1912.	2.6	20
43	Sirtuin 1 Inhibiting Thiocyanates (S1th)â€"A New Class of Isotype Selective Inhibitors of NAD+ Dependent Lysine Deacetylases. Frontiers in Oncology, 2020, 10, 657.	2.8	19
44	Complex role of SIRT6 in NF-ÎºB pathway regulation. Molecular and Cellular Oncology, 2018, 5, e1445942.	0.7	16
45	A Big Step for SIRT7, One Giant Leap for Sirtuinsâ€¦ in Cancer. Cancer Cell, 2012, 21, 719-721.	16.8	15
46	Steps Toward Understanding the Inheritance of Repressive Methyl-Lysine Marks in Histones. Cold Spring Harbor Symposia on Quantitative Biology, 2004, 69, 171-182.	1.1	14
47	A Synthetic mRNA Cell Reprogramming Method Using CYCLIN D1 Promotes DNA rEpair, Generating Improved Genetically Stable Human Induced Pluripotent Stem Cells. Stem Cells, 2021, 39, 866-881.	3.2	14
48	Sirtuins in female meiosis and in reproductive longevity. Molecular Reproduction and Development, 2020, 87, 1175-1187.	2.0	12
49	Shikimic acid protects skin cells from UV-induced senescence through activation of the NAD+-dependent deacetylase SIRT1. Aging, 2021, 13, 12308-12333.	3.1	11
50	Histone methyltransferase Suv39h1 deficiency prevents Mycâ€induced chromosomal instability in murine myeloid leukemias. Genes Chromosomes and Cancer, 2013, 52, 423-430.	2.8	10
51	Activation-induced cytidine deaminase targets SUV4-20-mediated histone H4K20 trimethylation to class-switch recombination sites. Scientific Reports, 2017, 7, 7594.	3.3	10
52	Activation properties of GAGA transcription factor. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 312-317.	1.9	9
53	Raising the list of SirT7 targets to a new level. Proteomics, 2017, 17, 1700137.	2.2	4
54	Niacin. , 2020, , 287-293.		2

#	Article	IF	Citations
55	Sirtuins in hematopoiesis and blood malignancies. , 2021, , 373-391.		2
56	Sirtuins in Biology and Disease. , 2008, , 73-104.		2
57	Methods to Study the Role of Sirtuins in Genome Stability. Methods in Molecular Biology, 2013, 1077, 273-283.	0.9	2
58	The Histone Code and Disease. , 2016, , 417-445.		1
59	Sirtuins in Biology and Disease. , 2008, , 73-104.		1
60	Sirtuins as a Double-Edged Sword in Cancer: From Molecular Mechanisms to Therapeutic Opportunities. , 2015, , 75-106.		0