

Eric Verdin

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258
papers

43,070
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113
h-index

206
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280
ext. papers

50,389
ext. citations

12.2
avg, IF

7.64
L-index

#	Paper	IF	Citations
258	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. <i>Nature</i> , 2020 , 583, 459-468	50.4	2142
257	The human Sir2 ortholog, SIRT2, is an NAD ⁺ -dependent tubulin deacetylase. <i>Molecular Cell</i> , 2003 , 11, 437-44	17.6	1220
256	SIRT3 regulates mitochondrial fatty-acid oxidation by reversible enzyme deacetylation. <i>Nature</i> , 2010 , 464, 121-5	50.4	1143
255	Duration of nuclear NF-kappaB action regulated by reversible acetylation. <i>Science</i> , 2001 , 293, 1653-7	33.3	1059
254	Mammalian Sir2 homolog SIRT3 regulates global mitochondrial lysine acetylation. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8807-14	4.8	940
253	Calorie restriction reduces oxidative stress by SIRT3-mediated SOD2 activation. <i>Cell Metabolism</i> , 2010 , 12, 662-7	24.6	929
252	Suppression of oxidative stress by Ehydroxybutyrate, an endogenous histone deacetylase inhibitor. <i>Science</i> , 2013 , 339, 211-4	33.3	919
251	The growing landscape of lysine acetylation links metabolism and cell signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 536-50	48.7	857
250	Chronic inflammation in the etiology of disease across the life span. <i>Nature Medicine</i> , 2019 , 25, 1822-1832	30.5	830
249	A class of hybrid polar inducers of transformed cell differentiation inhibits histone deacetylases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 3003-7	11.5	775
248	HIV reproducibly establishes a latent infection after acute infection of T cells in vitro. <i>EMBO Journal</i> , 2003 , 22, 1868-77	13	606
247	Enzymatic activity associated with class II HDACs is dependent on a multiprotein complex containing HDAC3 and SMRT/N-CoR. <i>Molecular Cell</i> , 2002 , 9, 45-57	17.6	601
246	NAD ⁺ in aging, metabolism, and neurodegeneration. <i>Science</i> , 2015 , 350, 1208-13	33.3	595
245	SIRT3 deficiency and mitochondrial protein hyperacetylation accelerate the development of the metabolic syndrome. <i>Molecular Cell</i> , 2011 , 44, 177-90	17.6	568
244	Reversible lysine acetylation controls the activity of the mitochondrial enzyme acetyl-CoA synthetase 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10224-10229	11.5	564
243	Class II histone deacetylases: versatile regulators. <i>Trends in Genetics</i> , 2003 , 19, 286-93	8.5	554
242	Sirtuins: critical regulators at the crossroads between cancer and aging. <i>Oncogene</i> , 2007 , 26, 5489-504	9.2	503

241	Mitochondrial Dysfunction Induces Senescence with a Distinct Secretory Phenotype. <i>Cell Metabolism</i> , 2016 , 23, 303-14	24.6	502
240	Ketone bodies as signaling metabolites. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 42-52	8.8	499
239	The first identification of lysine malonylation substrates and its regulatory enzyme. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M111.012658	7.6	482
238	50 years of protein acetylation: from gene regulation to epigenetics, metabolism and beyond. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 258-64	48.7	480
237	The expression of a small fraction of cellular genes is changed in response to histone hyperacetylation. <i>Gene Expression</i> , 1996 , 5, 245-53	3.4	474
236	Sirtuin regulation of mitochondria: energy production, apoptosis, and signaling. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 669-75	10.3	447
235	The human silent information regulator (Sir)2 homologue hSIRT3 is a mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase. <i>Journal of Cell Biology</i> , 2002 , 158, 647-57	7.3	446
234	Transcriptional activation and chromatin remodeling of the HIV-1 promoter in response to histone acetylation.. <i>EMBO Journal</i> , 1996 , 15, 1112-1120	13	430
233	Towards an HIV cure: a global scientific strategy. <i>Nature Reviews Immunology</i> , 2012 , 12, 607-14	36.5	414
232	SIRT5 regulates the mitochondrial lysine succinylome and metabolic networks. <i>Cell Metabolism</i> , 2013 , 18, 920-33	24.6	399
231	Sirtuins: Sir2-related NAD-dependent protein deacetylases. <i>Genome Biology</i> , 2004 , 5, 224	18.3	387
230	NF-kappaB p50 promotes HIV latency through HDAC recruitment and repression of transcriptional initiation. <i>EMBO Journal</i> , 2006 , 25, 139-49	13	373
229	Apoptosis of CD8+ T cells is mediated by macrophages through interaction of HIV gp120 with chemokine receptor CXCR4. <i>Nature</i> , 1998 , 395, 189-94	50.4	371
228	Chromatin disruption in the promoter of human immunodeficiency virus type 1 during transcriptional activation.. <i>EMBO Journal</i> , 1993 , 12, 3249-3259	13	364
227	Histone deacetylases inhibitors as anti-angiogenic agents altering vascular endothelial growth factor signaling. <i>Oncogene</i> , 2002 , 21, 427-36	9.2	358
226	SIRT3 deacetylates mitochondrial 3-hydroxy-3-methylglutaryl CoA synthase 2 and regulates ketone body production. <i>Cell Metabolism</i> , 2010 , 12, 654-61	24.6	357
225	From discoveries in ageing research to therapeutics for healthy ageing. <i>Nature</i> , 2019 , 571, 183-192	50.4	340
224	The site of HIV-1 integration in the human genome determines basal transcriptional activity and response to Tat transactivation. <i>EMBO Journal</i> , 2001 , 20, 1726-38	13	340

223	Sirtuin-3 (Sirt3) regulates skeletal muscle metabolism and insulin signaling via altered mitochondrial oxidation and reactive oxygen species production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14608-13	11.5	335
222	Label-free quantitative proteomics of the lysine acetylome in mitochondria identifies substrates of SIRT3 in metabolic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6601-6	11.5	332
221	A core SMRT corepressor complex containing HDAC3 and TBL1, a WD40-repeat protein linked to deafness. <i>Genes and Development</i> , 2000 , 14, 1048-57	12.6	332
220	Platform-independent and label-free quantitation of proteomic data using MS1 extracted ion chromatograms in skyline: application to protein acetylation and phosphorylation. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 202-14	7.6	328
219	Conserved metabolic regulatory functions of sirtuins. <i>Cell Metabolism</i> , 2008 , 7, 104-12	24.6	319
218	Regulation of insulin secretion by SIRT4, a mitochondrial ADP-ribosyltransferase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 33583-33592	5.4	314
217	Critical role of acetylation in tau-mediated neurodegeneration and cognitive deficits. <i>Nature Medicine</i> , 2015 , 21, 1154-62	50.5	300
216	BCoR, a novel corepressor involved in BCL-6 repression. <i>Genes and Development</i> , 2000 , 14, 1810-23	12.6	299
215	The nexus of chromatin regulation and intermediary metabolism. <i>Nature</i> , 2013 , 502, 489-98	50.4	286
214	An in-depth comparison of latent HIV-1 reactivation in multiple cell model systems and resting CD4+ T cells from aviremic patients. <i>PLoS Pathogens</i> , 2013 , 9, e1003834	7.6	283
213	Transcriptional activation and chromatin remodeling of the HIV-1 promoter in response to histone acetylation. <i>EMBO Journal</i> , 1996 , 15, 1112-20	13	280
212	Epigenetic regulation of HIV-1 latency by cytosine methylation. <i>PLoS Pathogens</i> , 2009 , 5, e1000495	7.6	279
211	BCoR, a novel corepressor involved in BCL-6 repression. <i>Genes and Development</i> , 2000 , 14, 1810-1823	12.6	278
210	SIRT5 Regulates both Cytosolic and Mitochondrial Protein Malonylation with Glycolysis as a Major Target. <i>Molecular Cell</i> , 2015 , 59, 321-32	17.6	271
209	Conserved P-TEFb-interacting domain of BRD4 inhibits HIV transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13690-5	11.5	270
208	Characterization of a human RPD3 ortholog, HDAC3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 2795-800	11.5	265
207	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	12.6	263
206	CpG methylation controls reactivation of HIV from latency. <i>PLoS Pathogens</i> , 2009 , 5, e1000554	7.6	252

205	Acetylation of the HIV-1 Tat protein by p300 is important for its transcriptional activity. <i>Current Biology</i> , 1999 , 9, 1489-92	6.3	251
204	SIRT1 regulates HIV transcription via Tat deacetylation. <i>PLoS Biology</i> , 2005 , 3, e41	9.7	249
203	Prostratin antagonizes HIV latency by activating NF-kappaB. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42008-17	5.4	248
202	β-Hydroxybutyrate: A Signaling Metabolite. <i>Annual Review of Nutrition</i> , 2017 , 37, 51-76	9.9	243
201	The Nef protein of HIV-1 associates with rafts and primes T cells for activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 394-9	11.5	239
200	HIV persistence and the prospect of long-term drug-free remissions for HIV-infected individuals. <i>Science</i> , 2010 , 329, 174-80	33.3	238
199	Chromatin disruption in the promoter of human immunodeficiency virus type 1 during transcriptional activation. <i>EMBO Journal</i> , 1993 , 12, 3249-59	13	236
198	Genome-wide analysis of chromosomal features repressing human immunodeficiency virus transcription. <i>Journal of Virology</i> , 2005 , 79, 6610-9	6.6	224
197	Structural basis of lysine-acetylated HIV-1 Tat recognition by PCAF bromodomain. <i>Molecular Cell</i> , 2002 , 9, 575-86	17.6	212
196	Ketogenic Diet Reduces Midlife Mortality and Improves Memory in Aging Mice. <i>Cell Metabolism</i> , 2017 , 26, 547-557.e8	24.6	209
195	Interphase nucleo-cytoplasmic shuttling and localization of SIRT2 during mitosis. <i>PLoS ONE</i> , 2007 , 2, e784	3.7	209
194	A new family of human histone deacetylases related to <i>Saccharomyces cerevisiae</i> HDA1p. <i>Journal of Biological Chemistry</i> , 1999 , 274, 11713-20	5.4	203
193	miRNAs regulate SIRT1 expression during mouse embryonic stem cell differentiation and in adult mouse tissues. <i>Aging</i> , 2010 , 2, 415-31	5.6	193
192	Immune hyperactivation of HIV-1-infected T cells mediated by Tat and the CD28 pathway. <i>Science</i> , 1997 , 275, 1481-5	33.3	188
191	Activation of SIRT3 by the NAD ⁺ precursor nicotinamide riboside protects from noise-induced hearing loss. <i>Cell Metabolism</i> , 2014 , 20, 1059-68	24.6	186
190	Mitochondrial sirtuins: regulators of protein acylation and metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 467-76	8.8	186
189	HDAC7, a thymus-specific class II histone deacetylase, regulates Nur77 transcription and TCR-mediated apoptosis. <i>Immunity</i> , 2003 , 18, 687-98	32.3	184
188	Sirt3 regulates metabolic flexibility of skeletal muscle through reversible enzymatic deacetylation. <i>Diabetes</i> , 2013 , 62, 3404-17	0.9	182

187	Control of endothelial cell proliferation and migration by VEGF signaling to histone deacetylase 7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 7738-43	11.5	182
186	Control of cytomegalovirus lytic gene expression by histone acetylation. <i>EMBO Journal</i> , 2002 , 21, 1112-20	10.5	182
185	Mitochondrial sirtuins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 1645-51	4	178
184	Hydroxybutyrate: much more than a metabolite. <i>Diabetes Research and Clinical Practice</i> , 2014 , 106, 173-81	7.4	176
183	Human HDAC7 histone deacetylase activity is associated with HDAC3 in vivo. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35826-35	5.4	172
182	Regulation of global acetylation in mitosis through loss of histone acetyltransferases and deacetylases from chromatin. <i>Journal of Biological Chemistry</i> , 2001 , 276, 38307-19	5.4	171
181	BET bromodomain-targeting compounds reactivate HIV from latency via a Tat-independent mechanism. <i>Cell Cycle</i> , 2013 , 12, 452-62	4.7	169
180	Design and evaluation of 'Linkerless' hydroxamic acids as selective HDAC8 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 2874-8	2.9	168
179	Mitochondrial protein acylation and intermediary metabolism: regulation by sirtuins and implications for metabolic disease. <i>Journal of Biological Chemistry</i> , 2012 , 287, 42436-43	5.4	165
178	Sirtuin-3 (SIRT3), a novel potential therapeutic target for oral cancer. <i>Cancer</i> , 2011 , 117, 1670-8	6.4	162
177	Histone deacetylase HDAC8 associates with smooth muscle alpha-actin and is essential for smooth muscle cell contractility. <i>FASEB Journal</i> , 2005 , 19, 966-8	0.9	160
176	NAD metabolism and its roles in cellular processes during ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2021 , 22, 119-141	48.7	159
175	Reduced mobility of the alternate splicing factor (ASF) through the nucleoplasm and steady state speckle compartments. <i>Journal of Cell Biology</i> , 2000 , 150, 41-51	7.3	158
174	Reactivation of latent HIV by histone deacetylase inhibitors. <i>Trends in Microbiology</i> , 2013 , 21, 277-85	12.4	155
173	The sirtuins, oxidative stress and aging: an emerging link. <i>Aging</i> , 2013 , 5, 144-50	5.6	155
172	Histone acetyltransferases regulate HIV-1 enhancer activity in vitro. <i>Genes and Development</i> , 1997 , 11, 3327-40	12.6	154
171	The emerging role of class II histone deacetylases. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 337-348	3.6	152
170	Mutations in the tat gene are responsible for human immunodeficiency virus type 1 postintegration latency in the U1 cell line. <i>Journal of Virology</i> , 1998 , 72, 1666-70	6.6	152

169	Lysine Acetylation Goes Global: From Epigenetics to Metabolism and Therapeutics. <i>Chemical Reviews</i> , 2018 , 118, 1216-1252	68.1	149
168	Structure-activity studies on splitomicin derivatives as sirtuin inhibitors and computational prediction of binding mode. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 1203-13	8.3	147
167	MicroRNAs of the miR-17~92 family are critical regulators of T(FH) differentiation. <i>Nature Immunology</i> , 2013 , 14, 849-57	19.1	145
166	Understanding HIV latency: the road to an HIV cure. <i>Annual Review of Medicine</i> , 2015 , 66, 407-21	17.4	143
165	Adenosine mimetics as inhibitors of NAD ⁺ -dependent histone deacetylases, from kinase to sirtuin inhibition. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 7307-16	8.3	140
164	HIV Latency Is Established Directly and Early in Both Resting and Activated Primary CD4 T Cells. <i>PLoS Pathogens</i> , 2015 , 11, e1004955	7.6	140
163	SIRT3 regulates mitochondrial protein acetylation and intermediary metabolism. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011 , 76, 267-77	3.9	138
162	A point mutation in the HIV-1 Tat responsive element is associated with postintegration latency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 6377-81	11.5	138
161	Whole-organism screening for gluconeogenesis identifies activators of fasting metabolism. <i>Nature Chemical Biology</i> , 2013 , 9, 97-104	11.7	136
160	The Mitochondrial Acylome Emerges: Proteomics, Regulation by Sirtuins, and Metabolic and Disease Implications. <i>Cell Metabolism</i> , 2018 , 27, 497-512	24.6	133
159	DNase I-hypersensitive sites are associated with both long terminal repeats and with the intragenic enhancer of integrated human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1991 , 65, 6790-9	6.6	133
158	The SWI/SNF chromatin-remodeling complex is a cofactor for Tat transactivation of the HIV promoter. <i>Journal of Biological Chemistry</i> , 2006 , 281, 19960-8	5.4	132
157	Two-pronged binding with bromodomain-containing protein 4 liberates positive transcription elongation factor b from inactive ribonucleoprotein complexes. <i>Journal of Biological Chemistry</i> , 2012 , 287, 1090-9	5.4	129
156	Conserved enzymatic production and biological effect of O-acetyl-ADP-ribose by silent information regulator 2-like NAD ⁺ -dependent deacetylases. <i>Journal of Biological Chemistry</i> , 2002 , 277, 12632-41	5.4	126
155	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , 2020 , 181, 1263-1275.e16	56.2	126
154	SIRT3 Blocks Aging-Associated Tissue Fibrosis in Mice by Deacetylating and Activating Glycogen Synthase Kinase 3. <i>Molecular and Cellular Biology</i> , 2015 , 36, 678-92	4.8	125
153	Sirtuin 3 (SIRT3) protein regulates long-chain acyl-CoA dehydrogenase by deacetylating conserved lysines near the active site. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33837-33847	5.4	123
152	HDAC4 represses p21(WAF1/Cip1) expression in human cancer cells through a Sp1-dependent, p53-independent mechanism. <i>Oncogene</i> , 2009 , 28, 243-56	9.2	123

151	Distinct mechanisms trigger apoptosis in human immunodeficiency virus type 1-infected and in uninfected bystander T lymphocytes. <i>Journal of Virology</i> , 1998 , 72, 660-70	6.6	119
150	Repressive LTR nucleosome positioning by the BAF complex is required for HIV latency. <i>PLoS Biology</i> , 2011 , 9, e1001206	9.7	117
149	Mitotic regulation of SIRT2 by cyclin-dependent kinase 1-dependent phosphorylation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19546-55	5.4	116
148	Transcriptional synergy between Tat and PCAF is dependent on the binding of acetylated Tat to the PCAF bromodomain. <i>EMBO Journal</i> , 2002 , 21, 2715-23	13	116
147	Transcription factor binding sites downstream of the human immunodeficiency virus type 1 transcription start site are important for virus infectivity. <i>Journal of Virology</i> , 1997 , 71, 6113-27	6.6	115
146	The mTOR Complex Controls HIV Latency. <i>Cell Host and Microbe</i> , 2016 , 20, 785-797	23.4	115
145	Three novel acetylation sites in the Foxp3 transcription factor regulate the suppressive activity of regulatory T cells. <i>Journal of Immunology</i> , 2012 , 188, 2712-21	5.3	113
144	Protein kinase D1 phosphorylates HDAC7 and induces its nuclear export after T-cell receptor activation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 13762-70	5.4	113
143	SIRT4 regulates ATP homeostasis and mediates a retrograde signaling via AMPK. <i>Aging</i> , 2013 , 5, 835-49	5.6	108
142	Regulatory signal transduction pathways for class IIa histone deacetylases. <i>Current Opinion in Pharmacology</i> , 2010 , 10, 454-60	5.1	108
141	Subtype selective substrates for histone deacetylases. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 5235-438.3		107
140	Expression of histone deacetylase 8, a class I histone deacetylase, is restricted to cells showing smooth muscle differentiation in normal human tissues. <i>American Journal of Pathology</i> , 2004 , 165, 553-64 ^{5,8}		105
139	Distinct Circadian Signatures in Liver and Gut Clocks Revealed by Ketogenic Diet. <i>Cell Metabolism</i> , 2017 , 26, 523-538.e5	24.6	103
138	Acetylation of Tat defines a cyclinT1-independent step in HIV transactivation. <i>Molecular Cell</i> , 2003 , 12, 167-76	17.6	103
137	Mitochondrial acetylome analysis in a mouse model of alcohol-induced liver injury utilizing SIRT3 knockout mice. <i>Journal of Proteome Research</i> , 2012 , 11, 1633-43	5.6	101
136	Immunosenescence and HIV. <i>Current Opinion in Immunology</i> , 2012 , 24, 501-6	7.8	100
135	SIRT1 deacetylates ROR β and enhances Th17 cell generation. <i>Journal of Experimental Medicine</i> , 2015 , 212, 607-17	16.6	98
134	Epigenetic regulation of HIV latency. <i>Current Opinion in HIV and AIDS</i> , 2011 , 6, 19-24	4.2	90

133	Human immunodeficiency virus type 1 tropism for brain microglial cells is determined by a region of the env glycoprotein that also controls macrophage tropism. <i>Journal of Virology</i> , 1992 , 66, 2588-93	6.6	90
132	Reactivation of latent HIV-1 in central memory CD4+ T cells through TLR-1/2 stimulation. <i>Retrovirology</i> , 2013 , 10, 119	3.6	88
131	SIRT3 and cancer: tumor promoter or suppressor?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011 , 1816, 80-8	11.2	85
130	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , 2018 , 28, 866-880.e15	24.6	83
129	Mitochondrial Deacetylase Sirt3 Reduces Vascular Dysfunction and Hypertension While Sirt3 Depletion in Essential Hypertension Is Linked to Vascular Inflammation and Oxidative Stress. <i>Circulation Research</i> , 2020 , 126, 439-452	15.7	80
128	Senescent cells promote tissue NAD decline during ageing via the activation of CD38 macrophages. <i>Nature Metabolism</i> , 2020 , 2, 1265-1283	14.6	78
127	CpG methylation controls reactivation of HIV from latency. <i>Retrovirology</i> , 2010 , 7, O8	3.6	78
126	The Cellular lysine methyltransferase Set7/9-KMT7 binds HIV-1 TAR RNA, monomethylates the viral transactivator Tat, and enhances HIV transcription. <i>Cell Host and Microbe</i> , 2010 , 7, 234-44	23.4	77
125	Breast cancer associated transcriptional repressor PLU-1/JARID1B interacts directly with histone deacetylases. <i>International Journal of Cancer</i> , 2007 , 121, 265-75	7.5	74
124	Nonisotopic substrate for assaying both human zinc and NAD+-dependent histone deacetylases. <i>Analytical Biochemistry</i> , 2003 , 319, 42-8	3.1	74
123	SIRT1 and SIRT3 deacetylate homologous substrates: AceCS1,2 and HMGCS1,2. <i>Aging</i> , 2011 , 3, 635-42	5.6	73
122	Dietary restriction attenuates age-associated muscle atrophy by lowering oxidative stress in mice even in complete absence of CuZnSOD. <i>Aging Cell</i> , 2012 , 11, 770-82	9.9	70
121	Phenylalanine-containing hydroxamic acids as selective inhibitors of class IIb histone deacetylases (HDACs). <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 2011-33	3.4	69
120	The serum response factor and a putative novel transcription factor regulate expression of the immediate-early gene <i>Arc/Arg3.1</i> in neurons. <i>Journal of Neuroscience</i> , 2009 , 29, 1525-37	6.6	68
119	Myosin phosphatase dephosphorylates HDAC7, controls its nucleocytoplasmic shuttling, and inhibits apoptosis in thymocytes. <i>Genes and Development</i> , 2007 , 21, 638-43	12.6	66
118	The flavoring agent dihydrocoumarin reverses epigenetic silencing and inhibits sirtuin deacetylases. <i>PLoS Genetics</i> , 2005 , 1, e77	6	66
117	Anti-apoptotic Protein BIRC5 Maintains Survival of HIV-1-Infected CD4 T Cells. <i>Immunity</i> , 2018 , 48, 1183-1194.e6	11.94	66
116	Distinct chromatin functional states correlate with HIV latency reactivation in infected primary CD4 T cells. <i>ELife</i> , 2018 , 7,	8.9	66

115	Cell biology. Stress response and aging. <i>Science</i> , 2009 , 323, 1021-2	33.3	65
114	A transcriptional regulatory element is associated with a nuclease-hypersensitive site in the pol gene of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1994 , 68, 2632-48	6.6	65
113	LEDGIN-mediated Inhibition of Integrase-LEDGF/p75 Interaction Reduces Reactivation of Residual Latent HIV. <i>EBioMedicine</i> , 2016 , 8, 248-264	8.8	64
112	Acetate metabolism and aging: An emerging connection. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 511-6	5.6	60
111	Regulation of UCP1 and Mitochondrial Metabolism in Brown Adipose Tissue by Reversible Succinylation. <i>Molecular Cell</i> , 2019 , 74, 844-857.e7	17.6	58
110	Histone deacetylase 7 regulates cell survival and TCR signaling in CD4/CD8 double-positive thymocytes. <i>Journal of Immunology</i> , 2011 , 186, 4782-93	5.3	57
109	HIV latency: experimental systems and molecular models. <i>FEMS Microbiology Reviews</i> , 2012 , 36, 706-16	15.1	56
108	Dietary restriction: standing up for sirtuins. <i>Science</i> , 2010 , 329, 1012-3; author reply 1013-4	33.3	56
107	Thiobarbiturates as sirtuin inhibitors: virtual screening, free-energy calculations, and biological testing. <i>ChemMedChem</i> , 2008 , 3, 1965-76	3.7	56
106	Metabolic reprogramming of human CD8 memory T cells through loss of SIRT1. <i>Journal of Experimental Medicine</i> , 2018 , 215, 51-62	16.6	56
105	The many faces of sirtuins: Coupling of NAD metabolism, sirtuins and lifespan. <i>Nature Medicine</i> , 2014 , 20, 25-7	50.5	55
104	Histone deacetylase 7 and FoxA1 in estrogen-mediated repression of RPRM. <i>Molecular and Cellular Biology</i> , 2010 , 30, 399-412	4.8	55
103	SIRT3 and SIRT5 regulate the enzyme activity and cardiolipin binding of very long-chain acyl-CoA dehydrogenase. <i>PLoS ONE</i> , 2015 , 10, e0122297	3.7	55
102	Screening of histone deacetylases (HDAC) expression in human prostate cancer reveals distinct class I HDAC profiles between epithelial and stromal cells. <i>European Journal of Histochemistry</i> , 2004 , 48, 273-90	2.1	55
101	A novel corepressor, BCoR-L1, represses transcription through an interaction with CtBP. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15248-57	5.4	53
100	Protein-DNA interactions within DNase I-hypersensitive sites located downstream of the HIV-1 promoter.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 19916-19924	5.4	53
99	The restricted nature of HIV-1 tropism for cultured neural cells. <i>Virology</i> , 1992 , 191, 813-25	3.6	52
98	Aging Promotes Sirtuin 3-Dependent Cartilage Superoxide Dismutase 2 Acetylation and Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2016 , 68, 1887-98	9.5	52

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