

Eric Verdin

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.

258
papers

43,070
citations

113
h-index

206
g-index

280
ext. papers

50,389
ext. citations

12.2
avg, IF

7.64
L-index

#	Paper	IF	Citations
258	SIRT5 is a proviral factor that interacts with SARS-CoV-2 Nsp14 protein. 2022,		3
257	Modeling Predictive Age-Dependent and Age-Independent Symptoms and Comorbidities of Patients Seeking Treatment for COVID-19: Model Development and Validation Study. <i>Journal of Medical Internet Research</i> , 2021 , 23, e25696	7.6	2
256	Evaluating a New Class of AKT/mTOR Activators for HIV Latency Reversing Activity. <i>Journal of Virology</i> , 2021,	6.6	3
255	Toxicological evaluation of the ketogenic ester bis hexanoyl (R)-1,3-butanediol: Subchronic toxicity in Sprague Dawley rats. <i>Food and Chemical Toxicology</i> , 2021 , 150, 112084	4.7	1
254	NAD Repletion Reverses Heart Failure With Preserved Ejection Fraction. <i>Circulation Research</i> , 2021 , 128, 1629-1641	15.7	28
253	Moving geroscience from the bench to clinical care and health policy. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 2455-2463	5.6	8
252	Tolerability and Safety of a Novel Ketogenic Ester, Bis-Hexanoyl (R)-1,3-Butanediol: A Randomized Controlled Trial in Healthy Adults. <i>Nutrients</i> , 2021 , 13,	6.7	3
251	University of Southern California and buck institute nathan shock center: multidimensional models of aging. <i>GeroScience</i> , 2021 , 43, 2119-2127	8.9	
250	Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. <i>Gastroenterology</i> , 2021 , 161, 1584-1600	13.3	8
249	NAD metabolism and its roles in cellular processes during ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2021 , 22, 119-141	48.7	159
248	Ketone Ester Treatment Improves Cardiac Function and Reduces Pathologic Remodeling in Preclinical Models of Heart Failure. <i>Circulation: Heart Failure</i> , 2021 , 14, e007684	7.6	31
247	Targeting Conserved Sequences Circumvents the Evolution of Resistance in a Viral Gene Drive against Human Cytomegalovirus. <i>Journal of Virology</i> , 2021 , 95, e0080221	6.6	
246	The Effect of JAK1/2 Inhibitors on HIV Reservoir Using Primary Lymphoid Cell Model of HIV Latency. <i>Frontiers in Immunology</i> , 2021 , 12, 720697	8.4	4
245	Characterising proteolysis during SARS-CoV-2 infection identifies viral cleavage sites and cellular targets with therapeutic potential. <i>Nature Communications</i> , 2021 , 12, 5553	17.4	19
244	SARS-CoV-2, COVID-19 and the Ageing Immune System. <i>Nature Aging</i> , 2021 , 1, 769-782		34
243	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
242	FOXO1 promotes HIV latency by suppressing ER stress in T cells. <i>Nature Microbiology</i> , 2020 , 5, 1144-1157	6.6	7

241	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. <i>Nature</i> , 2020 , 583, 459-468	50.4	2142
240	Human splice factors contribute to latent HIV infection in primary cell models and blood CD4+ T cells from ART-treated individuals. <i>PLoS Pathogens</i> , 2020 , 16, e1009060	7.6	8
239	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020 , 12, 24484-24503	5.6	11
238	Ketogenic Diets Alter the Gut Microbiome Resulting in Decreased Intestinal Th17 Cells. <i>Cell</i> , 2020 , 181, 1263-1275.e16	56.2	126
237	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
236	Viral gene drive in herpesviruses. <i>Nature Communications</i> , 2020 , 11, 4884	17.4	5
235	Investigating Ketone Bodies as Immunometabolic Countermeasures against Respiratory Viral Infections. <i>Med</i> , 2020 , 1, 43-65	31.7	15
234	SUCLA2 mutations cause global protein succinylation contributing to the pathomechanism of a hereditary mitochondrial disease. <i>Nature Communications</i> , 2020 , 11, 5927	17.4	9
233	Sialyl-Lewis Glycoantigen Is Enriched on Cells with Persistent HIV Transcription during Therapy. <i>Cell Reports</i> , 2020 , 32, 107991	10.6	7
232	Paolo Sassone-Corsi (1956-2020). <i>Science</i> , 2020 , 370, 532	33.3	0
231	Clinical Evidence for Targeting NAD Therapeutically. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	15
230	Lifespan-increasing drug nordihydroguaiaretic acid inhibits p300 and activates autophagy. <i>Npj Aging and Mechanisms of Disease</i> , 2019 , 5, 7	5.5	12
229	Stable integrant-specific differences in bimodal HIV-1 expression patterns revealed by high-throughput analysis. <i>PLoS Pathogens</i> , 2019 , 15, e1007903	7.6	1
228	High-Resolution Mass Spectrometry to Identify and Quantify Acetylation Protein Targets. <i>Methods in Molecular Biology</i> , 2019 , 1983, 3-16	1.4	5
227	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
226	Telomere Dysfunction Induces Sirtuin Repression that Drives Telomere-Dependent Disease. <i>Cell Metabolism</i> , 2019 , 29, 1274-1290.e9	24.6	50
225	From discoveries in ageing research to therapeutics for healthy ageing. <i>Nature</i> , 2019 , 571, 183-192	50.4	340
224	Chronic inflammation in the etiology of disease across the life span. <i>Nature Medicine</i> , 2019 , 25, 1822-1833	30.5	830

223	The Mitochondrial Acylome Emerges: Proteomics, Regulation by Sirtuins, and Metabolic and Disease Implications. <i>Cell Metabolism</i> , 2018 , 27, 497-512	24.6	133
222	Lysine Acetylation Goes Global: From Epigenetics to Metabolism and Therapeutics. <i>Chemical Reviews</i> , 2018 , 118, 1216-1252	68.1	149
221	Sirt4 is a mitochondrial regulator of metabolism and lifespan in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1564-1569	11.5	44
220	NAD-dependent deacetylase SIRT3 in adipocytes is dispensable for maintaining normal adipose tissue mitochondrial function and whole body metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E520-E530	6	22
219	Histone Deacetylase 7 mediates tissue-specific autoimmunity via control of innate effector function in invariant Natural Killer T Cells. <i>ELife</i> , 2018 , 7,	8.9	12
218	Impairment of Angiogenesis by Fatty Acid Synthase Inhibition Involves mTOR Malonylation. <i>Cell Metabolism</i> , 2018 , 28, 866-880.e15	24.6	83
217	HIV: A Tool to Assess HIV-1 Latency Reversal Agents in Human Primary CD4 T Cells. <i>Bio-protocol</i> , 2018 , 8,	0.9	3
216	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
215	Defining Metabolic and Nonmetabolic Regulation of Histone Acetylation by NSAID Chemotypes. <i>Molecular Pharmaceutics</i> , 2018 , 15, 729-736	5.6	4
214	Temporal dynamics of liver mitochondrial protein acetylation and succinylation and metabolites due to high fat diet and/or excess glucose or fructose. <i>PLoS ONE</i> , 2018 , 13, e0208973	3.7	26
213	Anti-apoptotic Protein BIRC5 Maintains Survival of HIV-1-Infected CD4 T Cells. <i>Immunity</i> , 2018 , 48, 1183-1194.e6	11.9	66
212	Distinct chromatin functional states correlate with HIV latency reactivation in infected primary CD4 T cells. <i>ELife</i> , 2018 , 7,	8.9	66
211	SIRT3 blocks myofibroblast differentiation and pulmonary fibrosis by preventing mitochondrial DNA damage. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L68-L78	5.8	49
210	Long-term calorie restriction in humans is not associated with indices of delayed immunologic aging: A descriptive study. <i>Nutrition and Healthy Aging</i> , 2017 , 4, 147-156	1.3	14
209	Tonic LAT-HDAC7 Signals Sustain Nur77 and Irf4 Expression to Tune Naive CD4 ⁺ T Cells. <i>Cell Reports</i> , 2017 , 19, 1558-1571	10.6	24
208	β-Hydroxybutyrate: A Signaling Metabolite. <i>Annual Review of Nutrition</i> , 2017 , 37, 51-76	9.9	243
207	Ketogenic Diet Reduces Midlife Mortality and Improves Memory in Aging Mice. <i>Cell Metabolism</i> , 2017 , 26, 547-557.e8	24.6	209
206	Distinct Circadian Signatures in Liver and Gut Clocks Revealed by Ketogenic Diet. <i>Cell Metabolism</i> , 2017 , 26, 523-538.e5	24.6	103

205	Intestinal SIRT3 overexpression in mice improves whole body glucose homeostasis independent of body weight. <i>Molecular Metabolism</i> , 2017 , 6, 1264-1273	8.8	14
204	Mitochondrial Dysfunction Induces Senescence with a Distinct Secretory Phenotype. <i>Cell Metabolism</i> , 2016 , 23, 303-14	24.6	502
203	A Novel Sirtuin-3 Inhibitor, LC-0296, Inhibits Cell Survival and Proliferation, and Promotes Apoptosis of Head and Neck Cancer Cells. <i>Anticancer Research</i> , 2016 , 36, 49-60	2.3	33
202	Salicylate, diflunisal and their metabolites inhibit CBP/p300 and exhibit anticancer activity. <i>ELife</i> , 2016 , 5,	8.9	45
201	Aging Promotes Sirtuin 3-Dependent Cartilage Superoxide Dismutase 2 Acetylation and Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2016 , 68, 1887-98	9.5	52
200	The mTOR Complex Controls HIV Latency. <i>Cell Host and Microbe</i> , 2016 , 20, 785-797	23.4	115
199	LEDGIN-mediated Inhibition of Integrase-LEDGF/p75 Interaction Reduces Reactivation of Residual Latent HIV. <i>EBioMedicine</i> , 2016 , 8, 248-264	8.8	64
198	Understanding HIV latency: the road to an HIV cure. <i>Annual Review of Medicine</i> , 2015 , 66, 407-21	17.4	143
197	SIRT1 deacetylates ROR β and enhances Th17 cell generation. <i>Journal of Experimental Medicine</i> , 2015 , 212, 607-17	16.6	98
196	Critical role of acetylation in tau-mediated neurodegeneration and cognitive deficits. <i>Nature Medicine</i> , 2015 , 21, 1154-62	50.5	300
195	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
194	MicroRNA-155 Reinforces HIV Latency. <i>Journal of Biological Chemistry</i> , 2015 , 290, 13736-48	5.4	44
193	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
192	NAD ⁺ in aging, metabolism, and neurodegeneration. <i>Science</i> , 2015 , 350, 1208-13	33.3	595
191	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
190	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
189	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
188	Ketone bodies as signaling metabolites. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 42-52	8.8	499

187	The many faces of sirtuins: Coupling of NAD metabolism, sirtuins and lifespan. <i>Nature Medicine</i> , 2014 , 20, 25-7	50.5	55
186	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
185	Hydroxybutyrate: much more than a metabolite. <i>Diabetes Research and Clinical Practice</i> , 2014 , 106, 173-81	7.4	176
184	Therapy for latent HIV-1 infection: the role of histone deacetylase inhibitors. <i>Antiviral Chemistry and Chemotherapy</i> , 2014 , 23, 145-9	3.5	41
183	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
182	HIV-1 chromatin, transcription, and the regulatory protein Tat. <i>Methods in Molecular Biology</i> , 2014 , 1087, 85-101	1.4	8
181	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
180	Sirt3 regulates metabolic flexibility of skeletal muscle through reversible enzymatic deacetylation. <i>Diabetes</i> , 2013 , 62, 3404-17	0.9	182
179	Acetylphosphate: a novel link between lysine acetylation and intermediary metabolism in bacteria. <i>Molecular Cell</i> , 2013 , 51, 132-4	17.6	9
178	The nexus of chromatin regulation and intermediary metabolism. <i>Nature</i> , 2013 , 502, 489-98	50.4	286
177	Sirtuin-3 (SIRT3) and the Hallmarks of Cancer. <i>Genes and Cancer</i> , 2013 , 4, 164-71	2.9	41
176	Reactivation of latent HIV by histone deacetylase inhibitors. <i>Trends in Microbiology</i> , 2013 , 21, 277-85	12.4	155
175	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
174	SIRT5 regulates the mitochondrial lysine succinylome and metabolic networks. <i>Cell Metabolism</i> , 2013 , 18, 920-33	24.6	399
173	Whole-organism screening for gluconeogenesis identifies activators of fasting metabolism. <i>Nature Chemical Biology</i> , 2013 , 9, 97-104	11.7	136
172	Suppression of oxidative stress by hydroxybutyrate, an endogenous histone deacetylase inhibitor. <i>Science</i> , 2013 , 339, 211-4	33.3	919
171	Dual-color HIV reporters trace a population of latently infected cells and enable their purification. <i>Virology</i> , 2013 , 446, 283-92	3.6	50
170	Mitochondrial SIRT4-type proteins in <i>Caenorhabditis elegans</i> and mammals interact with pyruvate carboxylase and other acetylated biotin-dependent carboxylases. <i>Mitochondrion</i> , 2013 , 13, 705-20	4.9	12

169	SIRT4 regulates ATP homeostasis and mediates a retrograde signaling via AMPK. <i>Aging</i> , 2013 , 5, 835-49	5.6	108
168	Rejuvenating SIRT1 activators. <i>Cell Metabolism</i> , 2013 , 17, 635-7	24.6	14
167	Three rules for HIV latency: location, location, and location. <i>Cell Host and Microbe</i> , 2013 , 13, 625-6	23.4	5
166	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
165	BET bromodomain-targeting compounds reactivate HIV from latency via a Tat-independent mechanism. <i>Cell Cycle</i> , 2013 , 12, 452-62	4.7	169
164	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
163	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
162	The sirtuins, oxidative stress and aging: an emerging link. <i>Aging</i> , 2013 , 5, 144-50	5.6	155
161	HIV latency: experimental systems and molecular models. <i>FEMS Microbiology Reviews</i> , 2012 , 36, 706-16	15.1	56
160	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
159	Mitochondrial sirtuins: regulators of protein acylation and metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 467-76	8.8	186
158	The longevity of sirtuins. <i>Cell Reports</i> , 2012 , 2, 1473-4	10.6	10
157	Inhibition of SIRT2 potentiates the anti-motility activity of taxanes: implications for antineoplastic combination therapies. <i>Neoplasia</i> , 2012 , 14, 846-54	6.4	24
156	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
155	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
154	Immunosenescence and HIV. <i>Current Opinion in Immunology</i> , 2012 , 24, 501-6	7.8	100
153	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
152	Inhibitors of the NAD(+)-Dependent Protein Desuccinylase and Demalonylase Sirt5. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 1050-3	4.3	47

151	Towards an HIV cure: a global scientific strategy. <i>Nature Reviews Immunology</i> , 2012 , 12, 607-14	36.5	414
150	HDAC5 is required for maintenance of pericentric heterochromatin, and controls cell-cycle progression and survival of human cancer cells. <i>Cell Death and Differentiation</i> , 2012 , 19, 1239-52	12.7	47
149	Receptor-interacting protein (RIP) and Sirtuin-3 (SIRT3) are on opposite sides of anoikis and tumorigenesis. <i>Cancer</i> , 2012 , 118, 5800-10	6.4	26
148	Metabolic regulation, mitochondria and the life-prolonging effect of rapamycin: a mini-review. <i>Gerontology</i> , 2012 , 58, 524-30	5.5	25
147	Nuclear export of histone deacetylase 7 during thymic selection is required for immune self-tolerance. <i>EMBO Journal</i> , 2012 , 31, 4453-65	13	21
146	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
145	Angiopoietin-1 and vascular endothelial growth factor regulation of leukocyte adhesion to endothelial cells: role of nuclear receptor-77. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1707-16	9.4	24
144	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
143	Combination of biological screening in a cellular model of viral latency and virtual screening identifies novel compounds that reactivate HIV-1. <i>Journal of Virology</i> , 2012 , 86, 3795-808	6.6	24
142	The first identification of lysine malonylation substrates and its regulatory enzyme. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M111.012658	7.6	482
141	SIRT3 deficiency and mitochondrial protein hyperacetylation accelerate the development of the metabolic syndrome. <i>Molecular Cell</i> , 2011 , 44, 177-90	17.6	568
140	In vivo, in vitro, and in silico analysis of methylation of the HIV-1 provirus. <i>Methods</i> , 2011 , 53, 47-53	4.6	37
139	Epigenetic regulation of HIV latency. <i>Current Opinion in HIV and AIDS</i> , 2011 , 6, 19-24	4.2	90
138	SIRT3 and cancer: tumor promoter or suppressor?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011 , 1816, 80-8	11.2	85
137	Sirtuin-3 (SIRT3), a novel potential therapeutic target for oral cancer. <i>Cancer</i> , 2011 , 117, 1670-8	6.4	162
136	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
135	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
134	SIRT3 regulates mitochondrial protein acetylation and intermediary metabolism. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011 , 76, 267-77	3.9	138

133	Repressive LTR nucleosome positioning by the BAF complex is required for HIV latency. <i>PLoS Biology</i> , 2011 , 9, e1001206	9.7	117
132	SIRT1 and SIRT3 deacetylate homologous substrates: AceCS1,2 and HMGCS1,2. <i>Aging</i> , 2011 , 3, 635-42	5.6	73
131	SIRT3 regulates mitochondrial fatty-acid oxidation by reversible enzyme deacetylation. <i>Nature</i> , 2010 , 464, 121-5	50.4	1143
130	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
129	Dietary restriction: standing up for sirtuins. <i>Science</i> , 2010 , 329, 1012-3; author reply 1013-4	33.3	56
128	Histone deacetylase 7 and FoxA1 in estrogen-mediated repression of RPRM. <i>Molecular and Cellular Biology</i> , 2010 , 30, 399-412	4.8	55
127	Zmynd15 encodes a histone deacetylase-dependent transcriptional repressor essential for spermiogenesis and male fertility. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31418-26	5.4	39
126	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
125	Regulatory signal transduction pathways for class IIa histone deacetylases. <i>Current Opinion in Pharmacology</i> , 2010 , 10, 454-60	5.1	108
124	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
123	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
122	Calorie restriction reduces oxidative stress by SIRT3-mediated SOD2 activation. <i>Cell Metabolism</i> , 2010 , 12, 662-7	24.6	929
121	Acetate metabolism and aging: An emerging connection. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 511-6	5.6	60
120	Sirtuin regulation of mitochondria: energy production, apoptosis, and signaling. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 669-75	10.3	447
119	Mitochondrial sirtuins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 1645-51	4	178
118	HAT trick: p300, small molecule, inhibitor. <i>Chemistry and Biology</i> , 2010 , 17, 417-8		12
117	CpG methylation controls reactivation of HIV from latency. <i>Retrovirology</i> , 2010 , 7, O8	3.6	78
116	A new splice variant of the mouse SIRT3 gene encodes the mitochondrial precursor protein. <i>PLoS ONE</i> , 2009 , 4, e4986	3.7	46

115	CpG methylation controls reactivation of HIV from latency. <i>PLoS Pathogens</i> , 2009 , 5, e1000554	7.6	252
114	Epigenetic regulation of HIV-1 latency by cytosine methylation. <i>PLoS Pathogens</i> , 2009 , 5, e1000495	7.6	279
113	The serum response factor and a putative novel transcription factor regulate expression of the immediate-early gene Arc/Arg3.1 in neurons. <i>Journal of Neuroscience</i> , 2009 , 29, 1525-37	6.6	68
112	Pyridylalanine-containing hydroxamic acids as selective HDAC6 inhibitors. <i>ChemMedChem</i> , 2009 , 4, 283-90	7.7	34
111	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
110	Cell biology. Stress response and aging. <i>Science</i> , 2009 , 323, 1021-2	33.3	65
109	Acetylation of mitochondrial proteins. <i>Methods in Enzymology</i> , 2009 , 457, 137-47	1.7	43
108	Conserved metabolic regulatory functions of sirtuins. <i>Cell Metabolism</i> , 2008 , 7, 104-12	24.6	319
107	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
106	Destabilization of ERBB2 transcripts by targeting 3' untranslated region messenger RNA associated HuR and histone deacetylase-6. <i>Molecular Cancer Research</i> , 2008 , 6, 1250-8	6.6	49
105	Tat Acetylation: A Regulatory Switch between Early and Late Phases in HIV Transcription Elongation. <i>Novartis Foundation Symposium</i> , 2008 , 182-196		26
104	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
103	HDAC7 Regulates Apoptosis in Developing Thymocytes. <i>Novartis Foundation Symposium</i> , 2008 , 115-131		8
102	Chair's Introduction. <i>Novartis Foundation Symposium</i> , 2008 , 1-2		
101	Thiobarbiturates as sirtuin inhibitors: virtual screening, free-energy calculations, and biological testing. <i>ChemMedChem</i> , 2008 , 3, 1965-76	3.7	56
100	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
99	Regulation of human immunodeficiency virus-1 latency and its reactivation. <i>Bulletin Et Mémoires De L'Académie Royale De Médecine De Belgique</i> , 2008 , 163, 355-64; discussion 364-5		
98	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

97	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
96	Sirtuins: critical regulators at the crossroads between cancer and aging. <i>Oncogene</i> , 2007 , 26, 5489-504	9.2	503
95	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
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6	Histone deacetylases inhibitors as anti-angiogenic agents altering vascular endothelial growth factor signaling		5
5	Ketogenic diet or BHB improves epileptiform spikes, memory, survival in Alzheimer's model		1
4	Characterisation of protease activity during SARS-CoV-2 infection identifies novel viral cleavage sites and cellular targets with therapeutic potential		6
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