Paolo Sassone-Corsi

List of Publications by Citations

304 papers	37,884 citations	100 h-index	189 g-index
343 ext. papers	41,639 ext. citations	17.9 avg, IF	7.61 L-index

#	Paper	IF	Citations
304	CircadiOmics: integrating circadian genomics, transcriptomics, proteomics and metabolomics. *Nature Methods*, **2012**, 9, 772-3	21.6	1084
303	The NAD+-dependent deacetylase SIRT1 modulates CLOCK-mediated chromatin remodeling and circadian control. *Cell*, **2008**, 134, 329-40	56.2	1077
302	Circadian control of the NAD+ salvage pathway by CLOCK-SIRT1. *Science*, **2009**, 324, 654-7	33.3	900
301	Signaling to chromatin through histone modifications. *Cell*, **2000**, 103, 263-71	56.2	827
300	An unusual member of the nuclear hormone receptor superfamily responsible for X-linked adrenal hypoplasia congenita. *Nature*, **1994**, 372, 635-41	50.4	720
299	Circadian regulator CLOCK is a histone acetyltransferase. *Cell*, **2006**, 125, 497-508	56.2	669
298	Synergistic coupling of histone H3 phosphorylation and acetylation in response to epidermal growth factor stimulation. *Molecular Cell*, **2000**, 5, 905-15	17.6	666
297	Induction of proto-oncogene JUN/AP-1 by serum and TPA. *Nature*, **1988**, 334, 629-31	50.4	640
296	ATF4 is a substrate of RSK2 and an essential regulator of osteoblast biology; implication for Coffin-Lowry Syndrome. *Cell*, **2004**, 117, 387-98	56.2	633
295	CREM gene: use of alternative DNA-binding domains generates multiple antagonists of cAMP-induced transcription. *Cell*, **1991**, 64, 739-49	56.2	623
294	A web of circadian pacemakers. *Cell*, **2002**, 111, 919-22	56.2	598
293	Transcriptional autoregulation of the proto-oncogene fos. *Nature*, **1988**, 334, 314-9	50.4	590
292	Inducibility and negative autoregulation of CREM: an alternative promoter directs the expression of ICER, an early response repressor. *Cell*, **1993**, 75, 875-86	56.2	532
291	Mitotic phosphorylation of histone H3: spatio-temporal regulation by mammalian Aurora kinases. *Molecular and Cellular Biology*, **2002**, 22, 874-85	4.8	517
290	Spermiogenesis deficiency and germ-cell apoptosis in CREM-mutant mice. *Nature*, **1996**, 380, 159-62	50.4	511
289	fos-associated cellular p39 is related to nuclear transcription factor AP-1. *Cell*, **1988**, 54, 553-60	56.2	491
288	Developmental switch of CREM function during spermatogenesis: from antagonist to activator. *Nature*, **1992**, 355, 80-4	50.4	445

287	Time for food: the intimate interplay between nutrition, metabolism, and the circadian clock. *Cell*, **2015**, 161, 84-92	56.2	442
286	Bimodal regulation of mPeriod promoters by CREB-dependent signaling and CLOCK/BMAL1 activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 7728-33	11.5	441
285	Activation of the ovalbumin gene by the estrogen receptor involves the fos-jun complex. *Cell*, **1990**, 63, 1267-76	56.2	428
284	Reprogramming of the circadian clock by nutritional challenge. *Cell*, **2013**, 155, 1464-78	56.2	421
283	Direct interaction between fos and jun nuclear oncoproteins: role of the 'leucine zipper' domain. *Nature*, **1988**, 336, 692-5	50.4	420
282	Decoding the epigenetic language of neuronal plasticity. *Neuron*, **2008**, 60, 961-74	13.9	408
281	CLOCK-mediated acetylation of BMAL1 controls circadian function. *Nature*, **2007**, 450, 1086-90	50.4	399
280	Metabolism and cancer: the circadian clock connection. *Nature Reviews Cancer*, **2009**, 9, 886-96	31.3	393
279	Dimers, leucine zippers and DNA-binding domains. *Trends in Genetics*, **1990**, 6, 36-40	8.5	367
278	Unique chromatin remodeling and transcriptional regulation in spermatogenesis. *Science*, **2002**, 296, 2176-8	33.3	366
277	Adrenergic signals direct rhythmic expression of transcriptional repressor CREM in the pineal gland. *Nature*, **1993**, 365, 314-20	50.4	366
276	Light acts directly on organs and cells in culture to set the vertebrate circadian clock. *Nature*, **2000**, 404, 87-91	50.4	365
275	Chromatin remodelling and epigenetic features of germ cells. *Nature*, **2005**, 434, 583-9	50.4	357
274	DNA binding and transcriptional repression by DAX-1 blocks steroidogenesis. *Nature*, **1997**, 390, 311-5	50.4	356
273	Metabolism and the circadian clock converge. *Physiological Reviews*, **2013**, 93, 107-35	47.9	348
272	Mutations in the kinase Rsk-2 associated with Coffin-Lowry syndrome. *Nature*, **1996**, 384, 567-70	50.4	348
271	Transcription factors responsive to cAMP. *Annual Review of Cell and Developmental Biology*, **1995**, 11, 355-77	12.6	340
270	Circadian clock proteins and immunity. *Immunity*, **2014**, 40, 178-86	32.3	339

269	PER2 controls lipid metabolism by direct regulation of PPAR□*Cell Metabolism*, **2010**, 12, 509-20	24.6	323
268	Coordination of the transcriptome and metabolome by the circadian clock. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5541-6	11.5	307
267	Zebrafish Clock rhythmic expression reveals independent peripheral circadian oscillators. *Nature Neuroscience*, **1998**, 1, 701-7	25.5	296
266	The chromatoid body of male germ cells: similarity with processing bodies and presence of Dicer and microRNA pathway components. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 2647-52	11.5	288
265	Proto-oncogene fos: complex but versatile regulation. *Cell*, **1987**, 51, 513-4	56.2	277
264	More is better: activators and repressors from the same gene. *Cell*, **1992**, 68, 411-4	56.2	268
263	Signaling routes to CREM and CREB: plasticity in transcriptional activation. *Trends in Biochemical Sciences*, **1999**, 24, 281-5	10.3	260
262	Heteroplasmy of mouse mtDNA is genetically unstable and results in altered behavior and cognition. *Cell*, **2012**, 151, 333-343	56.2	257
261	Circadian clock control by SUMOylation of BMAL1. *Science*, **2005**, 309, 1390-4	33.3	248
260	RNA granules in germ cells. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	245
259	Muscle insulin sensitivity and glucose metabolism are controlled by the intrinsic muscle clock. *Molecular Metabolism*, **2014**, 3, 29-41	8.8	242
258	Connecting threads: epigenetics and metabolism. *Cell*, **2012**, 148, 24-8	56.2	235
257	The chromatoid body: a germ-cell-specific RNA-processing centre. *Nature Reviews Molecular Cell Biology*, **2007**, 8, 85-90	48.7	233
256	Pituitary hormone FSH directs the CREM functional switch during spermatogenesis. *Nature*, **1993**, 362, 264-7	50.4	231
255	Light induces chromatin modification in cells of the mammalian circadian clock. *Nature Neuroscience*, **2000**, 3, 1241-7	25.5	222
254	A trans-acting factor is responsible for the simian virus 40 enhancer activity in vitro. *Nature*, **1985**, 313, 458-63	50.4	219
253	IP-1: a dominant inhibitor of Fos/Jun whose activity is modulated by phosphorylation. *Cell*, **1991**, 64, 983-93	56.2	215
252	The histone methyltransferase MLL1 permits the oscillation of circadian gene expression. *Nature Structural and Molecular Biology*, **2010**, 17, 1414-21	17.6	213

251	Chromatin remodeling and neuronal response: multiple signaling pathways induce specific histone H3 modifications and early gene expression in hippocampal neurons. *Journal of Cell Science*, **2003**, 116, 4905-14	5.3	212
250	Positive regulation of the cAMP-responsive activator CREM by the p70 S6 kinase: an alternative route to mitogen-induced gene expression. *Cell*, **1994**, 79, 81-91	56.2	211
249	Coupling gene expression to cAMP signalling: role of CREB and CREM. *International Journal of Biochemistry and Cell Biology*, **1998**, 30, 27-38	5.6	208
248	Partitioning circadian transcription by SIRT6 leads to segregated control of cellular metabolism. *Cell*, **2014**, 158, 659-72	56.2	207
247	Regulation of BMAL1 protein stability and circadian function by GSK3beta-mediated phosphorylation. *PLoS ONE*, **2010**, 5, e8561	3.7	206
246	CBP-independent activation of CREM and CREB by the LIM-only protein ACT. *Nature*, **1999**, 398, 165-9	50.4	200
245	The cyclic AMP pathway. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	191
244	Mammalian circadian clock and metabolism - the epigenetic link. *Journal of Cell Science*, **2010**, 123, 3837-48	5.3	181
243	Regulation of steroidogenesis and the steroidogenic acute regulatory protein by a member of the cAMP response-element binding protein family. *Molecular Endocrinology*, **2002**, 16, 184-99		180
242	Circadian Reprogramming in the Liver Identifies Metabolic Pathways of Aging. *Cell*, **2017**, 170, 664-677.e11	56.2	175
241	Riding tandem: circadian clocks and the cell cycle. *Cell*, **2007**, 129, 461-4	56.2	174
240	Circadian clock regulates the host response to Salmonella. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9897-902	11.5	173
239	Control of AIF-mediated cell death by the functional interplay of SIRT1 and PARP-1 in response to DNA damage. *Cell Cycle*, **2006**, 5, 873-7	4.7	173
238	A family of LIM-only transcriptional coactivators: tissue-specific expression and selective activation of CREB and CREM. *Molecular and Cellular Biology*, **2000**, 20, 8613-22	4.8	168
237	Multilevel regulation of the circadian clock. *Nature Reviews Molecular Cell Biology*, **2000**, 1, 59-67	48.7	165
236	Late arrest of spermiogenesis and germ cell apoptosis in mice lacking the TBP-like TLF/TRF2 gene. *Molecular Cell*, **2001**, 7, 509-15	17.6	162
235	Polar nuclear localization of H1T2, a histone H1 variant, required for spermatid elongation and DNA condensation during spermiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 2808-13	11.5	159
234	Preparation, isolation and characterization of stage-specific spermatogenic cells for cellular and molecular analysis. *Nature Methods*, **2004**, 1, 249-54	21.6	157

233	Atlas of Circadian Metabolism Reveals System-wide Coordination and Communication between Clocks. *Cell*, **2018**, 174, 1571-1585.e11	56.2	157
232	Transcriptional regulation by trans-acting factors. *Trends in Genetics*, **1986**, 2, 215-219	8.5	156
231	Transcriptional checkpoints determining the fate of male germ cells. *Cell*, **1997**, 88, 163-6	56.2	152
230	Regulation of metabolism: the circadian clock dictates the time. *Trends in Endocrinology and Metabolism*, **2012**, 23, 1-8	8.8	150
229	A transcriptional silencing domain in DAX-1 whose mutation causes adrenal hypoplasia congenita. *Molecular Endocrinology*, **1997**, 11, 1950-60		149
228	The emerging link between cancer, metabolism, and circadian rhythms. *Nature Medicine*, **2018**, 24, 1795-1803	30.5	149
227	Lung Adenocarcinoma Distally Rewires Hepatic Circadian Homeostasis. *Cell*, **2016**, 165, 896-909	56.2	147
226	Coupling cAMP signaling to transcription in the liver: pivotal role of CREB and CREM. *Experimental Cell Research*, **2002**, 275, 143-54	4.2	145
225	Signaling mediated by the dopamine D2 receptor potentiates circadian regulation by CLOCK:BMAL1. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 6386-91	11.5	142
224	Phenotypic rescue of a peripheral clock genetic defect via SCN hierarchical dominance. *Cell*, **2002**, 110, 107-17	56.2	141
223	DAX-1, an unusual orphan receptor at the crossroads of steroidogenic function and sexual differentiation. *Molecular Endocrinology*, **2003**, 17, 1445-53		137
222	Differential functions of the Aurora-B and Aurora-C kinases in mammalian spermatogenesis. *Molecular Endocrinology*, **2007**, 21, 726-39		128
221	Guidelines for Genome-Scale Analysis of Biological Rhythms. *Journal of Biological Rhythms*, **2017**, 32, 380-393	3.2	127
220	No circadian rhythms in testis: Period1 expression is clock independent and developmentally regulated in the mouse. *Molecular Endocrinology*, **2003**, 17, 141-51		127
219	A missense mutation in RPS6KA3 (RSK2) responsible for non-specific mental retardation. *Nature Genetics*, **1999**, 22, 13-4	36.3	125
218	Circadian acetylome reveals regulation of mitochondrial metabolic pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3339-44	11.5	118
217	Aged Stem Cells Reprogram Their Daily Rhythmic Functions to Adapt to Stress. *Cell*, **2017**, 170, 678-692.e20	56.2	118
216	Modulation of c-fos gene transcription by negative and positive cellular factors. *Nature*, **1987**, 326, 507-10	50.4	117

215	Defining the Independence of the Liver Circadian Clock. *Cell*, **2019**, 177, 1448-1462.e14	56.2	116
214	Metabolism control by the circadian clock and vice versa. *Nature Structural and Molecular Biology*, **2009**, 16, 462-7	17.6	114
213	Mitogen-regulated RSK2-CBP interaction controls their kinase and acetylase activities. *Molecular and Cellular Biology*, **2001**, 21, 7089-96	4.8	114
212	The circadian clock: a framework linking metabolism, epigenetics and neuronal function. *Nature Reviews Neuroscience*, **2013**, 14, 69-75	13.5	111
211	Light induction of a vertebrate clock gene involves signaling through blue-light receptors and MAP kinases. *Current Biology*, **2002**, 12, 844-8	6.3	110
210	The LIM-only protein FHL2 is a serum-inducible transcriptional coactivator of AP-1. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 3977-82	11.5	108
209	Interplay of PIWI/Argonaute protein MIWI and kinesin KIF17b in chromatoid bodies of male germ cells. *Journal of Cell Science*, **2006**, 119, 2819-25	5.3	107
208	Genome-wide profiling of the core clock protein BMAL1 targets reveals a strict relationship with metabolism. *Molecular and Cellular Biology*, **2010**, 30, 5636-48	4.8	106
207	Distinct Circadian Signatures in Liver and Gut Clocks Revealed by Ketogenic Diet. *Cell Metabolism*, **2017**, 26, 523-538.e5	24.6	103
206	Circadian control by the reduction/oxidation pathway: catalase represses light-dependent clock gene expression in the zebrafish. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 15747-52	11.5	103
205	Orphan receptor DAX-1 is a shuttling RNA binding protein associated with polyribosomes via mRNA. *Molecular and Cellular Biology*, **2000**, 20, 4910-21	4.8	103
204	CK2alpha phosphorylates BMAL1 to regulate the mammalian clock. *Nature Structural and Molecular Biology*, **2009**, 16, 446-8	17.6	100
203	Plasticity and specificity of the circadian epigenome. *Nature Neuroscience*, **2010**, 13, 1324-9	25.5	98
202	The intracellular localisation of TAF7L, a paralogue of transcription factor TFIID subunit TAF7, is developmentally regulated during male germ-cell differentiation. *Journal of Cell Science*, **2003**, 116, 1847-58	5.3	97
201	Poly(ADP-ribose) polymerase-2 contributes to the fidelity of male meiosis I and spermiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14854-9	11.5	96
200	CREM-dependent transcription in male germ cells controlled by a kinesin. *Science*, **2002**, 298, 2388-90	33.3	95
199	A direct role of SRY and SOX proteins in pre-mRNA splicing. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 1146-51	11.5	94
198	SIRT1-mediated deacetylation of MeCP2 contributes to BDNF expression. *Epigenetics*, **2012**, 7, 695-700	5.7	93

197	Chromatin remodeling, metabolism and circadian clocks: the interplay of CLOCK and SIRT1. *International Journal of Biochemistry and Cell Biology*, **2009**, 41, 81-6	5.6	91
196	Time of Exercise Specifies the Impact on Muscle Metabolic Pathways and Systemic Energy Homeostasis. *Cell Metabolism*, **2019**, 30, 92-110.e4	24.6	88
195	Structural and functional features of transcription factors controlling the circadian clock. *Current Opinion in Genetics and Development*, **2005**, 15, 548-56	4.9	88
194	Gut microbiota directs PPAR□driven reprogramming of the liver circadian clock by nutritional challenge. *EMBO Reports*, **2016**, 17, 1292-303	6.5	88
193	Cyclic AMP signalling and cellular proliferation: regulation of CREB and CREM. *FEBS Letters*, **1997**, 410, 22-4	3.8	87
192	Cycles in spatial and temporal chromosomal organization driven by the circadian clock. *Nature Structural and Molecular Biology*, **2013**, 20, 1206-13	17.6	86
191	Transcriptional analysis of the adenovirus-5 EIII promoter: absence of sequence specificity for stimulation by EIa gene products. *Nucleic Acids Research*, **1985**, 13, 1209-21	20.1	86
190	Metabolic Signaling to Chromatin. *Cold Spring Harbor Perspectives in Biology*, **2016**, 8,	10.2	85
189	Circadian clock and breast cancer: a molecular link. *Cell Cycle*, **2007**, 6, 1329-31	4.7	84
188	Time after time: inputs to and outputs from the mammalian circadian oscillators. *Trends in Neurosciences*, **2002**, 25, 632-7	13.3	84
187	Adaptive inducibility of CREM as transcriptional memory of circadian rhythms. *Nature*, **1996**, 381, 83-5	50.4	84
186	Transcriptional response to cAMP in brain: specific distribution and induction of CREM antagonists. *Neuron*, **1993**, 10, 655-65	13.9	82
185	The circadian clock and cell cycle: interconnected biological circuits. *Current Opinion in Cell Biology*, **2013**, 25, 730-4	9	81
184	Crystal structure and interactions of the PAS repeat region of the Drosophila clock protein PERIOD. *Molecular Cell*, **2005**, 17, 69-82	17.6	81
183	Common pathways in circadian and cell cycle clocks: light-dependent activation of Fos/AP-1 in zebrafish controls CRY-1a and WEE-1. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10194-9	11.5	81
182	Circadian clocks, epigenetics, and cancer. *Current Opinion in Oncology*, **2015**, 27, 50-6	4.2	80
181	Pharmacological modulation of circadian rhythms by synthetic activators of the deacetylase SIRT1. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3333-8	11.5	80
180	Signaling to the circadian clock: plasticity by chromatin remodeling. *Current Opinion in Cell Biology*, **2007**, 19, 230-7	9	78

179	Repression of c-fos promoter by MyoD on muscle cell differentiation. *Nature*, **1993**, 363, 79-82	50.4	77
178	NAD(+)-SIRT1 control of H3K4 trimethylation through circadian deacetylation of MLL1. *Nature Structural and Molecular Biology*, **2015**, 22, 312-8	17.6	76
177	Identification of a functional cyclic adenosine 3′,5′-monophosphate response element in the 5′-flanking region of the gene for transition protein 1 (TP1), a basic chromosomal protein of mammalian spermatids. *Biology of Reproduction*, **1994**, 51, 1322-9	3.9	76
176	Molecular Cogs: Interplay between Circadian Clock and Cell Cycle. *Trends in Cell Biology*, **2018**, 28, 368-378	18.3	75
175	Impaired function of primitive hematopoietic cells in mice lacking the Mixed-Lineage-Leukemia homolog MLL5. *Blood*, **2009**, 113, 1444-54	2.2	75
174	Inhibition of Aurora-B kinase activity by poly(ADP-ribosyl)ation in response to DNA damage. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 14244-8	11.5	72
173	ROS stress resets circadian clocks to coordinate pro-survival signals. *PLoS ONE*, **2013**, 8, e82006	3.7	72
172	The Circadian Clock in the Ventromedial Hypothalamus Controls Cyclic Energy Expenditure. *Cell Metabolism*, **2016**, 23, 467-78	24.6	71
171	The histone deacetylase SIRT1 controls male fertility in mice through regulation of hypothalamic-pituitary gonadotropin signaling. *Biology of Reproduction*, **2009**, 80, 384-91	3.9	71
170	Mutation analysis of the RSK2 gene in Coffin-Lowry patients: extensive allelic heterogeneity and a high rate of de novo mutations. *American Journal of Human Genetics*, **1998**, 63, 1631-40	11	71
169	Environmental stimulus perception and control of circadian clocks. *Current Opinion in Neurobiology*, **2002**, 12, 359-65	7.6	71
168	Rhythmic transcription and autoregulatory loops: winding up the biological clock. *Cell*, **1994**, 78, 361-4	56.2	71
167	Sirtuins and the circadian clock: bridging chromatin and metabolism. *Science Signaling*, **2014**, 7, re6	8.8	69
166	Proinflammatory stimuli control N-acylphosphatidylethanolamine-specific phospholipase D expression in macrophages. *Molecular Pharmacology*, **2011**, 79, 786-92	4.3	69
165	Coupled and uncoupled induction of fos and jun transcription by different second messengers in cells of hematopoietic origin. *Nucleic Acids Research*, **1990**, 18, 221-8	20.1	69
164	Fasting Imparts a Switch to Alternative Daily Pathways in Liver and Muscle. *Cell Reports*, **2018**, 25, 3299-3314.e6	8.0	67
163	Physiology. When metabolism and epigenetics converge. *Science*, **2013**, 339, 148-50	33.3	66
162	Abnormal sperm in mice with targeted deletion of the act (activator of cAMP-responsive element modulator in testis) gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 10620-5	11.5	66

161	Role of glucocorticoids and cAMP-mediated repression in limiting corticotropin-releasing hormone transcription during stress. *Journal of Neuroscience*, **2005**, 25, 4073-81	6.6	66
160	Impaired light masking in dopamine D2 receptor-null mice. *Nature Neuroscience*, **2006**, 9, 732-4	25.5	65
159	The circadian epigenome: how metabolism talks to chromatin remodeling. *Current Opinion in Cell Biology*, **2013**, 25, 170-6	9	63
158	Nuclear regulator Pygo2 controls spermiogenesis and histone H3 acetylation. *Developmental Biology*, **2008**, 320, 446-55	3.1	63
157	A Circadian Genomic Signature Common to Ketamine and Sleep Deprivation in the Anterior Cingulate Cortex. *Biological Psychiatry*, **2017**, 82, 351-360	7.9	60
156	Regulation of spermatogenesis by small non-coding RNAs: role of the germ granule. *Seminars in Cell and Developmental Biology*, **2014**, 29, 84-92	7.5	60
155	Mammalian bufadienolide is synthesized from cholesterol in the adrenal cortex by a pathway that Is independent of cholesterol side-chain cleavage. *Hypertension*, **2000**, 36, 442-8	8.5	60
154	Epigenetic regulation of the circadian gene Per1 contributes to age-related changes in hippocampal memory. *Nature Communications*, **2018**, 9, 3323	17.4	59
153	Linking oxygen to time: the bidirectional interaction between the hypoxic signaling pathway and the circadian clock. *Chronobiology International*, **2013**, 30, 510-29	3.6	59
152	Bindarit: an anti-inflammatory small molecule that modulates the NFB pathway. *Cell Cycle*, **2012**, 11, 159-69	4.7	59
151	The epigenetic language of circadian clocks. *Handbook of Experimental Pharmacology*, **2013**, 29-44	3.2	59
150	BMAL1-Driven Tissue Clocks Respond Independently to Light to Maintain Homeostasis. *Cell*, **2019**, 177, 1436-1447.e12	56.2	58
149	Selective Kv1.3 channel blocker as therapeutic for obesity and insulin resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2239-48	11.5	58
148	Regulation of gene expression in post-meiotic male germ cells: CREM-signalling pathways and male fertility. *Human Fertility*, **2006**, 9, 73-9	1.9	58
147	Unraveling the mechanisms of the vertebrate circadian clock: zebrafish may light the way. *BioEssays* , **2002**, 24, 419-26	4.1	57
146	Cyclic AMP signalling pathway and cellular proliferation: induction of CREM during liver regeneration. *Oncogene*, **1997**, 14, 1601-6	9.2	56
145	Circadian control of fatty acid elongation by SIRT1 protein-mediated deacetylation of acetyl-coenzyme A synthetase 1. *Journal of Biological Chemistry*, **2014**, 289, 6091-7	5.4	55
144	Epigenetic control and the circadian clock: linking metabolism to neuronal responses. *Neuroscience*, **2014**, 264, 76-87	3.9	55

143	Altered behavioral and metabolic circadian rhythms in mice with disrupted NAD+ oscillation. *Aging*, **2011**, 3, 794-802	5.6	55
142	Minireview: NAD+, a circadian metabolite with an epigenetic twist. *Endocrinology*, **2012**, 153, 1-5	4.8	54
141	Temporal association of protamine 1 with the inner nuclear membrane protein lamin B receptor during spermiogenesis. *Journal of Biological Chemistry*, **2004**, 279, 11626-31	5.4	54
140	SirT1 is required in the male germ cell for differentiation and fecundity in mice. *Development (Cambridge)*, **2014**, 141, 3495-504	6.6	53
139	Rhythmic transcription: the molecular basis of circadian melatonin synthesis. *Biology of the Cell*, **1997**, 89, 487-94	3.5	52
138	Histone lysine-specific methyltransferases and demethylases in carcinogenesis: new targets for cancer therapy and prevention. *Current Cancer Drug Targets*, **2013**, 13, 558-79	2.8	52
137	Chromatin landscape and circadian dynamics: Spatial and temporal organization of clock transcription. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6863-70	11.5	50
136	Histone Deacetylase SIRT1 Controls Proliferation, Circadian Rhythm, and Lipid Metabolism during Liver Regeneration in Mice. *Journal of Biological Chemistry*, **2016**, 291, 23318-23329	5.4	50
135	Comparative Circadian Metabolomics Reveal Differential Effects of Nutritional Challenge in the Serum and Liver. *Journal of Biological Chemistry*, **2016**, 291, 2812-28	5.4	50
134	Circadian clock: linking epigenetics to aging. *Current Opinion in Genetics and Development*, **2014**, 26, 66-72	4.9	49
133	Functional interplay between Parp-1 and SirT1 in genome integrity and chromatin-based processes. *Cellular and Molecular Life Sciences*, **2009**, 66, 3219-34	10.3	49
132	SIRT1 Relays Nutritional Inputs to the Circadian Clock Through the Sf1 Neurons of the Ventromedial Hypothalamus. *Endocrinology*, **2015**, 156, 2174-84	4.8	47
131	Ketamine influences CLOCK:BMAL1 function leading to altered circadian gene expression. *PLoS ONE*, **2011**, 6, e23982	3.7	47
130	Ectopic ICER expression in pituitary corticotroph AtT20 cells: effects on morphology, cell cycle, and hormonal production. *Molecular Endocrinology*, **1997**, 11, 1425-34		47
129	The RelB subunit of NFB acts as a negative regulator of circadian gene expression. *Cell Cycle*, **2012** , 11, 3304-11	4.7	46
128	The circadian clock transcriptional complex: metabolic feedback intersects with epigenetic control. *Annals of the New York Academy of Sciences*, **2012**, 1264, 103-9	6.5	45
127	Far upstream sequences are required for efficient transcription from the adenovirus-2 E1A transcription unit. *Nucleic Acids Research*, **1983**, 11, 8735-45	20.1	45
126	The transcriptional repressor ICER and cAMP-induced programmed cell death. *Oncogene*, **1997**, 15, 827-36	7.2	44

125	Production of fertile offspring from genetically infertile male mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1691-5	11.5	44
124	X-linked adrenal hypoplasia congenita is caused by abnormal nuclear localization of the DAX-1 protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 8225-30	11.5	43
123	Light-inducible and clock-controlled expression of MAP kinase phosphatase 1 in mouse central pacemaker neurons. *Journal of Biological Rhythms*, **2007**, 22, 127-39	3.2	42
122	Joining the dots: from chromatin remodeling to neuronal plasticity. *Current Opinion in Neurobiology* , **2010**, 20, 432-40	7.6	41
121	Immunohistochemistry of c-fos in Mouse Brain During Postnatal Development: Basal Levels and Changing Response to Metrazol and Kainate Injection. *European Journal of Neuroscience*, **1991**, 3, 764-770	3.5	41
120	Spatial dynamics of SIRT1 and the subnuclear distribution of NADH species. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12715-12720	11.5	40
119	Circadian Coordination of Antimicrobial Responses. *Cell Host and Microbe*, **2017**, 22, 185-192	23.4	40
118	Common light signaling pathways controlling DNA repair and circadian clock entrainment in zebrafish. *Cell Cycle*, **2009**, 8, 2794-801	4.7	40
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