Paolo Sassone-Corsi

List of Publications by Year in Descending Order

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	Atlas of exercise metabolism reveals time-dependent signatures of metabolic homeostasis.. *Cell Metabolism*, **2022**,	24.6	14
303	Dopamine D2 receptor signaling in the brain modulates circadian liver metabolomic profiles.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2117113119	11.5	0
302	Nutrition, metabolism, and epigenetics: pathways of circadian reprogramming.. *EMBO Reports*, **2022**, e52412	6.5	2
301	Antibiotic-induced microbiome depletion remodels daily metabolic cycles in the brain.. *Life Sciences* , **2022**, 120601	6.8	
300	Real-Time Measurement of Energy Metabolism Over Circadian Time Using Indirect Calorimetry-Enabled Metabolic Cages. *Methods in Molecular Biology*, **2022**, 301-310	1.4	
299	Circadian Analysis of Rodent Locomotor Activity in Home Cages. *Methods in Molecular Biology*, **2022** , 211-215	1.4	
298	Rapid-acting antidepressants and the circadian clock. *Neuropsychopharmacology*, **2021**,	8.7	2
297	Tuning up an aged clock: Circadian clock regulation in metabolism and aging. *Translational Medicine of Aging*, **2021**, 6, 1-1	2.7	0
296	Linking Depression to Epigenetics: Role of the Circadian Clock. *Advances in Experimental Medicine and Biology*, **2021**, 1344, 43-53	3.6	3
295	The Circadian Protein PER1 Modulates the Cellular Response to Anticancer Treatments. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
294	Communicating clocks shape circadian homeostasis. *Science*, **2021**, 371,	33.3	34
293	Combined Gene Expression and Chromatin Immunoprecipitation From a Single Mouse Hippocampus. *Current Protocols*, **2021**, 1, e33		1
292	Ketogenesis impact on liver metabolism revealed by proteomics of lysine β-hydroxybutyrylation. *Cell Reports*, **2021**, 36, 109487	10.6	5
291	Integration of feeding behavior by the liver circadian clock reveals network dependency of metabolic rhythms. *Science Advances*, **2021**, 7, eabi7828	14.3	2
290	Clock-in, clock-out: circadian timekeeping between tissues. *Biochemist*, **2020**, 42, 6-10	0.5	3
289	Doxorubicin persistently rewires cardiac circadian homeostasis in mice. *Archives of Toxicology*, **2020**, 94, 257-271	5.8	3
288	BMAL1 Associates with NOP58 in the Nucleolus and Contributes to Pre-rRNA Processing. *IScience*, **2020**, 23, 101151	6.1	7

287	Reshaping circadian metabolism in the suprachiasmatic nucleus and prefrontal cortex by nutritional challenge. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29904-29913	11.5	9
286	Chrono-nutrition for the prevention and treatment of obesity and type 2 diabetes: from mice to men. *Diabetologia*, **2020**, 63, 2253-2259	10.3	21
285	A non-pharmacological therapeutic approach in the gut triggers distal metabolic rewiring capable of ameliorating diet-induced dysfunctions encompassed by metabolic syndrome. *Scientific Reports*, **2020**, 10, 12915	4.9	2
284	Personalized medicine and circadian rhythms: Opportunities for modern society. *Journal of Experimental Medicine*, **2020**, 217,	16.6	6
283	Time-restricted feeding alters lipid and amino acid metabolite rhythmicity without perturbing clock gene expression. *Nature Communications*, **2020**, 11, 4643	17.4	22
282	Cocaine-mediated circadian reprogramming in the striatum through dopamine D2R and PPAR activation. *Nature Communications*, **2020**, 11, 4448	17.4	11
281	Metabolic rivalry: circadian homeostasis and tumorigenesis. *Nature Reviews Cancer*, **2020**, 20, 645-661	31.3	22
280	S-adenosyl-l-homocysteine hydrolase links methionine metabolism to the circadian clock and chromatin remodeling. *Science Advances*, **2020**, 6,	14.3	20
279	Homer1a Undergoes Bimodal Transcriptional Regulation by CREB and the Circadian Clock. *Neuroscience*, **2020**, 434, 161-170	3.9	5
278	Nutrient-sensitive transcription factors TFEB and TFE3 couple autophagy and metabolism to the peripheral clock. *EMBO Journal*, **2019**, 38,	13	34
277	Defining the Independence of the Liver Circadian Clock. *Cell*, **2019**, 177, 1448-1462.e14	56.2	116
276	BMAL1-Driven Tissue Clocks Respond Independently to Light to Maintain Homeostasis. *Cell*, **2019**, 177, 1436-1447.e12	56.2	58
275	Light Entrains Diurnal Changes in Insulin Sensitivity of Skeletal Muscle via Ventromedial Hypothalamic Neurons. *Cell Reports*, **2019**, 27, 2385-2398.e3	10.6	10
274	Time of Exercise Specifies the Impact on Muscle Metabolic Pathways and Systemic Energy Homeostasis. *Cell Metabolism*, **2019**, 30, 92-110.e4	24.6	88
273	Circadian and epigenetic control of depression-like behaviors. *Current Opinion in Behavioral Sciences* , **2019**, 25, 15-22	4	7
272	Distinct metabolic adaptation of liver circadian pathways to acute and chronic patterns of alcohol intake. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25250-25259	11.5	17
271	Circadian blueprint of metabolic pathways in the brain. *Nature Reviews Neuroscience*, **2019**, 20, 71-82	13.5	37
270	Molecular Cogs: Interplay between Circadian Clock and Cell Cycle. *Trends in Cell Biology*, **2018**, 28, 368-378	18.3	75

269	Interplay between Microbes and the Circadian Clock. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	20
268	Epigenetic regulation of the circadian gene Per1 contributes to age-related changes in hippocampal memory. *Nature Communications*, **2018**, 9, 3323	17.4	59
267	Human metabolomics reveal daily variations under nutritional challenges specific to serum and skeletal muscle. *Molecular Metabolism*, **2018**, 16, 1-11	8.8	36
266	CircadiOmics: circadian omic web portal. *Nucleic Acids Research*, **2018**, 46, W157-W162	20.1	25
265	Cooperative interaction among BMAL1, HSF1, and p53 protects mammalian cells from UV stress. *Communications Biology*, **2018**, 1, 204	6.7	10
264	Fasting Imparts a Switch to Alternative Daily Pathways in Liver and Muscle. *Cell Reports*, **2018**, 25, 3299-3314.e6	8.6	67
263	The emerging link between cancer, metabolism, and circadian rhythms. *Nature Medicine*, **2018**, 24, 1795-1803	30.5	149
262	Atlas of Circadian Metabolism Reveals System-wide Coordination and Communication between Clocks. *Cell*, **2018**, 174, 1571-1585.e11	56.2	157
261	A Circadian Genomic Signature Common to Ketamine and Sleep Deprivation in the Anterior Cingulate Cortex. *Biological Psychiatry*, **2017**, 82, 351-360	7.9	60
260	Distinct Circadian Signatures in Liver and Gut Clocks Revealed by Ketogenic Diet. *Cell Metabolism*, **2017**, 26, 523-538.e5	24.6	103
259	Circadian Coordination of Antimicrobial Responses. *Cell Host and Microbe*, **2017**, 22, 185-192	23.4	40
258	Aged Stem Cells Reprogram Their Daily Rhythmic Functions to Adapt to Stress. *Cell*, **2017**, 170, 678-692.e20	56.2	118
257	Circadian Reprogramming in the Liver Identifies Metabolic Pathways of Aging. *Cell*, **2017**, 170, 664-677.e11	56.2	175
256	Guidelines for Genome-Scale Analysis of Biological Rhythms. *Journal of Biological Rhythms*, **2017**, 32, 380-393	3.2	127
255	Metabolic Signaling to Chromatin. *Cold Spring Harbor Perspectives in Biology*, **2016**, 8,	10.2	85
254	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
253	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
252	What time is it? Deep learning approaches for circadian rhythms. *Bioinformatics*, **2016**, 32, i8-i17	7.2	38

251	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
250	The Circadian Clock in the Ventromedial Hypothalamus Controls Cyclic Energy Expenditure. *Cell Metabolism*, **2016**, 23, 467-78	24.6	71
249	The Epigenetic and Metabolic Language of the Circadian Clock. *Research and Perspectives in Endocrine Interactions*, **2016**, 1-11		7
248	Sirtuins and the Circadian Clock: Epigenetic and Metabolic Crosstalk **2016**, 229-242		1
247	Lung Adenocarcinoma Distally Rewires Hepatic Circadian Homeostasis. *Cell*, **2016**, 165, 896-909	56.2	147
246	Gut microbiota directs PPAR□driven reprogramming of the liver circadian clock by nutritional challenge. *EMBO Reports*, **2016**, 17, 1292-303	6.5	88
245	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
244	Time for food: the intimate interplay between nutrition, metabolism, and the circadian clock. *Cell*, **2015**, 161, 84-92	56.2	442
243	SIRT1 Relays Nutritional Inputs to the Circadian Clock Through the Sf1 Neurons of the Ventromedial Hypothalamus. *Endocrinology*, **2015**, 156, 2174-84	4.8	47
242	Circadian clocks, epigenetics, and cancer. *Current Opinion in Oncology*, **2015**, 27, 50-6	4.2	80
241	NAD(+)-SIRT1 control of H3K4 trimethylation through circadian deacetylation of MLL1. *Nature Structural and Molecular Biology*, **2015**, 22, 312-8	17.6	76
240	Phenotyping Circadian Rhythms in Mice. *Current Protocols in Mouse Biology*, **2015**, 5, 271-281	1.1	36
239	CRY Drives Cyclic CK2-Mediated BMAL1 Phosphorylation to Control the Mammalian Circadian Clock. *PLoS Biology*, **2015**, 13, e1002293	9.7	28
238	The pervasiveness and plasticity of circadian oscillations: the coupled circadian-oscillators framework. *Bioinformatics*, **2015**, 31, 3181-8	7.2	20
237	Chromatin Dynamics of Circadian Transcription. *Current Molecular Biology Reports*, **2015**, 1, 1-9	2	10
236	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
235	Circadian clock proteins and immunity. *Immunity*, **2014**, 40, 178-86	32.3	339
234	Circadian clock: linking epigenetics to aging. *Current Opinion in Genetics and Development*, **2014**, 26, 66-72	4.9	49

233	Local receptors as novel regulators for peripheral clock expression. *FASEB Journal*, **2014**, 28, 4610-6	0.9	15
232	SirT1 is required in the male germ cell for differentiation and fecundity in mice. *Development (Cambridge)*, **2014**, 141, 3495-504	6.6	53
231	Partitioning circadian transcription by SIRT6 leads to segregated control of cellular metabolism. *Cell*, **2014**, 158, 659-72	56.2	207
230	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
229	Muscle insulin sensitivity and glucose metabolism are controlled by the intrinsic muscle clock. *Molecular Metabolism*, **2014**, 3, 29-41	8.8	242
228	Epigenetic control and the circadian clock: linking metabolism to neuronal responses. *Neuroscience*, **2014**, 264, 76-87	3.9	55
227	Sirtuins and the circadian clock: bridging chromatin and metabolism. *Science Signaling*, **2014**, 7, re6	8.8	69
226	The time of your life. *Cerebrum: the Dana Forum on Brain Science*, **2014**, 2014, 11	0	1
225	Reprogramming of the circadian clock by nutritional challenge. *Cell*, **2013**, 155, 1464-78	56.2	421
224	Cycles in spatial and temporal chromosomal organization driven by the circadian clock. *Nature Structural and Molecular Biology*, **2013**, 20, 1206-13	17.6	86
223	The circadian clock and cell cycle: interconnected biological circuits. *Current Opinion in Cell Biology*, **2013**, 25, 730-4	9	81
222	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
221	Physiology. When metabolism and epigenetics converge. *Science*, **2013**, 339, 148-50	33.3	66
220	Metabolism and the circadian clock converge. *Physiological Reviews*, **2013**, 93, 107-35	47.9	348
219	The circadian clock: a framework linking metabolism, epigenetics and neuronal function. *Nature Reviews Neuroscience*, **2013**, 14, 69-75	13.5	111
218	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
217	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
216	The epigenetic language of circadian clocks. *Handbook of Experimental Pharmacology*, **2013**, 29-44	3.2	59

215	The circadian epigenome: how metabolism talks to chromatin remodeling. *Current Opinion in Cell Biology*, **2013**, 25, 170-6	9	63
214	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
213	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
212	p75 neurotrophin receptor is a clock gene that regulates oscillatory components of circadian and metabolic networks. *Journal of Neuroscience*, **2013**, 33, 10221-34	6.6	29
211	Inducible cAMP early repressor regulates the Period 1 gene of the hepatic and adrenal clocks. *Journal of Biological Chemistry*, **2013**, 288, 10318-27	5.4	9
210	ROS stress resets circadian clocks to coordinate pro-survival signals. *PLoS ONE*, **2013**, 8, e82006	3.7	72
209	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
208	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
207	Circadian rhythms and memory formation: regulation by chromatin remodeling. *Frontiers in Molecular Neuroscience*, **2012**, 5, 37	6.1	23
206	Heteroplasmy of mouse mtDNA is genetically unstable and results in altered behavior and cognition. *Cell*, **2012**, 151, 333-343	56.2	257
205	Regulation of metabolism: the circadian clock dictates the time. *Trends in Endocrinology and Metabolism*, **2012**, 23, 1-8	8.8	150
204	The RelB subunit of NFB acts as a negative regulator of circadian gene expression. *Cell Cycle*, **2012** , 11, 3304-11	4.7	46
203	Bindarit: an anti-inflammatory small molecule that modulates the NFB pathway. *Cell Cycle*, **2012**, 11, 159-69	4.7	59
202	Connecting threads: epigenetics and metabolism. *Cell*, **2012**, 148, 24-8	56.2	235
201	Plasticity of the Circadian System: Linking Metabolism to Epigenetic Control. *Research and Perspectives in Neurosciences*, **2012**, 23-30		2
200	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
199	CircadiOmics: integrating circadian genomics, transcriptomics, proteomics and metabolomics. *Nature Methods*, **2012**, 9, 772-3	21.6	1084
198	The cyclic AMP pathway. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	191

197	Minireview: NAD+, a circadian metabolite with an epigenetic twist. *Endocrinology*, **2012**, 153, 1-5	4.8	54
196	SIRT1-mediated deacetylation of MeCP2 contributes to BDNF expression. *Epigenetics*, **2012**, 7, 695-700	5.7	93
195	Novel insights into the downstream pathways and targets controlled by transcription factors CREM in the testis. *PLoS ONE*, **2012**, 7, e31798	3.7	34
194	Circadian proteins CLOCK and BMAL1 in the chromatoid body, a RNA processing granule of male germ cells. *PLoS ONE*, **2012**, 7, e42695	3.7	17
193	Ketamine influences CLOCK:BMAL1 function leading to altered circadian gene expression. *PLoS ONE*, **2011**, 6, e23982	3.7	47
192	Proinflammatory stimuli control N-acylphosphatidylethanolamine-specific phospholipase D expression in macrophages. *Molecular Pharmacology*, **2011**, 79, 786-92	4.3	69
191	RNA granules in germ cells. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	245
190	Regulation of an RNA granule during spermatogenesis: acetylation of MVH in the chromatoid body of germ cells. *Journal of Cell Science*, **2011**, 124, 4346-55	5.3	32
189	Altered behavioral and metabolic circadian rhythms in mice with disrupted NAD+ oscillation. *Aging*, **2011**, 3, 794-802	5.6	55
188	The histone methyltransferase MLL1 permits the oscillation of circadian gene expression. *Nature Structural and Molecular Biology*, **2010**, 17, 1414-21	17.6	213
187	Plasticity and specificity of the circadian epigenome. *Nature Neuroscience*, **2010**, 13, 1324-9	25.5	98
186	Regulation of BMAL1 protein stability and circadian function by GSK3beta-mediated phosphorylation. *PLoS ONE*, **2010**, 5, e8561	3.7	206
185	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
184	Protein phosphatase PHLPP1 controls the light-induced resetting of the circadian clock. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1642-7	11.5	37
183	Commentary: the year in circadian rhythms. *Molecular Endocrinology*, **2010**, 24, 2081-7		6
182	Blood pressure AsSAuLTed by the circadian clock. *Cell Metabolism*, **2010**, 11, 97-9	24.6	1
181	PER2 controls lipid metabolism by direct regulation of PPAR□*Cell Metabolism*, **2010**, 12, 509-20	24.6	323
180	Mammalian circadian clock and metabolism - the epigenetic link. *Journal of Cell Science*, **2010**, 123, 3837-48	5.3	181

179	Joining the dots: from chromatin remodeling to neuronal plasticity. *Current Opinion in Neurobiology* , **2010**, 20, 432-40	7.6	41
178	Impact papers on aging in 2009. *Aging*, **2010**, 2, 111-21	5.6	29
177	Aging brains and waning clocks on the process of habituation. *Aging*, **2010**, 2, 320-1	5.6	2
176	EPIGENETICS AND METABOLISM: THE CIRCADIAN CLOCK CONNECTION. *FASEB Journal*, **2010**, 24, 413.2	0.9	
175	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
174	Circadian biology: an unexpected invitee to new time zones. *Current Biology*, **2009**, 19, R298-300	6.3	2
173	DAX-1 and SOX6 molecular interplay results in an antagonistic effect in pre-mRNA splicing. *Developmental Dynamics*, **2009**, 238, 1595-604	2.9	18
172	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
171	Metabolism and cancer: the circadian clock connection. *Nature Reviews Cancer*, **2009**, 9, 886-96	31.3	393
170	CK2alpha phosphorylates BMAL1 to regulate the mammalian clock. *Nature Structural and Molecular Biology*, **2009**, 16, 446-8	17.6	100
169	Metabolism control by the circadian clock and vice versa. *Nature Structural and Molecular Biology*, **2009**, 16, 462-7	17.6	114
168	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
167	Circadian control of the NAD+ salvage pathway by CLOCK-SIRT1. *Science*, **2009**, 324, 654-7	33.3	900
166	Common light signaling pathways controlling DNA repair and circadian clock entrainment in zebrafish. *Cell Cycle*, **2009**, 8, 2794-801	4.7	40
165	Impaired function of primitive hematopoietic cells in mice lacking the Mixed-Lineage-Leukemia homolog MLL5. *Blood*, **2009**, 113, 1444-54	2.2	75
164	Decoding the epigenetic language of neuronal plasticity. *Neuron*, **2008**, 60, 961-74	13.9	408
163	Nuclear regulator Pygo2 controls spermiogenesis and histone H3 acetylation. *Developmental Biology*, **2008**, 320, 446-55	3.1	63
162	CREM modulates the circadian expression of CYP51, HMGCR and cholesterogenesis in the liver. *Biochemical and Biophysical Research Communications*, **2008**, 376, 206-10	3.4	26

161	The NAD+-dependent deacetylase SIRT1 modulates CLOCK-mediated chromatin remodeling and circadian control. *Cell*, **2008**, 134, 329-40	56.2	1077
160	TIPT, a male germ cell-specific partner of TRF2, is chromatin-associated and interacts with HP1. *Cell Cycle*, **2008**, 7, 1415-22	4.7	7
159	Stem cells of the germline: the specialized facets of their differentiation program. *Cell Cycle*, **2008**, 7, 3491-2	4.7	6
158	The chromatoid body of male germ cells: epigenetic control and miRNA pathway. *Cell Cycle*, **2008**, 7, 3503-8	4.7	26
157	The chromatoid body: a germ-cell-specific RNA-processing centre. *Nature Reviews Molecular Cell Biology*, **2007**, 8, 85-90	48.7	233
156	CLOCK-mediated acetylation of BMAL1 controls circadian function. *Nature*, **2007**, 450, 1086-90	50.4	399
155	Signaling to the circadian clock: plasticity by chromatin remodeling. *Current Opinion in Cell Biology*, **2007**, 19, 230-7	9	78
154	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
153	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
152	Differential functions of the Aurora-B and Aurora-C kinases in mammalian spermatogenesis. *Molecular Endocrinology*, **2007**, 21, 726-39		128
151	Circadian clock and breast cancer: a molecular link. *Cell Cycle*, **2007**, 6, 1329-31	4.7	84
150	Riding tandem: circadian clocks and the cell cycle. *Cell*, **2007**, 129, 461-4	56.2	174
149	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
148	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
147	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
146	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
145	Transcription factors, cAMP-responsive element modulator (CREM) and Tisp40, act in concert in postmeiotic transcriptional regulation. *Journal of Biological Chemistry*, **2006**, 281, 15073-81	5.4	19
144	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

143	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
142	Circadian regulator CLOCK is a histone acetyltransferase. *Cell*, **2006**, 125, 497-508	56.2	669
141	Changes in intranuclear chromatin architecture induce bipolar nuclear localization of histone variant H1T2 in male haploid spermatids. *Developmental Biology*, **2006**, 296, 231-238	3.1	24
140	Discovering light effects on the brain. *American Journal of Psychiatry*, **2006**, 163, 771	11.9	2
139	Impaired light masking in dopamine D2 receptor-null mice. *Nature Neuroscience*, **2006**, 9, 732-4	25.5	65
138	Crystal structure and interactions of the PAS repeat region of the Drosophila clock protein PERIOD. *Molecular Cell*, **2005**, 17, 69-82	17.6	81
137	Photoinducible and rhythmic ICER-CREM immunoreactivity in the rat suprachiasmatic nucleus. *Neuroscience Letters*, **2005**, 385, 87-91	3.3	8
136	Structural and functional features of transcription factors controlling the circadian clock. *Current Opinion in Genetics and Development*, **2005**, 15, 548-56	4.9	88
135	Homeobox galore: when reproduction goes RHOX and roll. *Cell*, **2005**, 120, 287-8	56.2	10
134	Proteolytic cleavage of ALF into alpha- and beta-subunits that form homologous and heterologous complexes with somatic TFIIA and TRF2 in male germ cells. *FEBS Letters*, **2005**, 579, 3401-10	3.8	15
133	Genetic control of spermiogenesis: insights from the CREM gene and implications for human infertility. *Reproductive BioMedicine Online*, **2005**, 10, 64-71	4	37
132	Analysis of circadian rhythms in zebrafish. *Methods in Enzymology*, **2005**, 393, 186-204	1.7	28
131	Chromatin remodelling and epigenetic features of germ cells. *Nature*, **2005**, 434, 583-9	50.4	357
130	Estrogen mediates phosphorylation of histone H3 in ovarian follicle and mammary epithelial tumor cells via the mitotic kinase, Aurora B. *Molecular Endocrinology*, **2005**, 19, 2991-3000		29
129	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
128	Transplantation of mouse embryo fibroblasts: an approach to study the physiological pathways linking the suprachiasmatic nucleus and peripheral clocks. *Methods in Enzymology*, **2005**, 393, 469-78	1.7	5
127	The nuclear import of TAF10 is regulated by one of its three histone fold domain-containing interaction partners. *Molecular and Cellular Biology*, **2005**, 25, 4092-104	4.8	38
126	Mouse Period1 (mPER1) acts as a circadian adaptor to entrain the oscillator to environmental light/dark cycles by regulating mPER2 protein. *Journal of Neuroscience*, **2005**, 25, 4719-24	6.6	31

125	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
124	Microtubule-independent and protein kinase A-mediated function of kinesin KIF17b controls the intracellular transport of activator of CREM in testis (ACT). *Journal of Biological Chemistry*, **2005**, 280, 31739-45	5.4	37
123	Circadian clock control by SUMOylation of BMAL1. *Science*, **2005**, 309, 1390-4	33.3	248
122	Clinical and molecular evidence for DAX-1 inhibition of steroidogenic factor-1-dependent ACTH receptor gene expression. *European Journal of Endocrinology*, **2005**, 152, 769-76	6.5	11
121	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
120	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
119	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
118	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
117	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
116	Specialized rules of gene transcription in male germ cells: the CREM paradigm. *Journal of Developmental and Physical Disabilities*, **2004**, 27, 322-7		26
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