

David G Hazlerigg

List of Publications by Citations

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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.

76
papers

2,770
citations

28
h-index

52
g-index

82
ext. papers

3,116
ext. citations

5.1
avg, IF

5.12
L-index

#	Paper	IF	Citations
76	Ancestral TSH mechanism signals summer in a photoperiodic mammal. <i>Current Biology</i> , 2008 , 18, 1147-52	5.3	290
75	Characterizing a mammalian circannual pacemaker. <i>Science</i> , 2006 , 314, 1941-4	33.3	201
74	A molecular switch for photoperiod responsiveness in mammals. <i>Current Biology</i> , 2010 , 20, 2193-8	6.3	189
73	Temporal expression of seven clock genes in the suprachiasmatic nucleus and the pars tuberalis of the sheep: evidence for an internal coincidence timer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13890-5	11.5	183
72	Thyroid hormone and seasonal rhythmicity. <i>Frontiers in Endocrinology</i> , 2014 , 5, 19	5.7	111
71	Photoperiod differentially regulates the expression of Per1 and ICER in the pars tuberalis and the suprachiasmatic nucleus of the Siberian hamster. <i>European Journal of Neuroscience</i> , 2000 , 12, 2865-70	3.5	108
70	New insights into ancient seasonal life timers. <i>Current Biology</i> , 2008 , 18, R795-R804	6.3	99
69	A circannual clock drives expression of genes central for seasonal reproduction. <i>Current Biology</i> , 2014 , 24, 1500-6	6.3	92
68	Photoperiod differentially regulates gene expression rhythms in the rostral and caudal SCN. <i>Current Biology</i> , 2005 , 15, R449-50	6.3	89
67	C/EBPbeta reprograms white 3T3-L1 preadipocytes to a Brown adipocyte pattern of gene expression. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24660-9	5.4	88
66	Tissue-specific abolition of Per1 expression in the pars tuberalis by pinealectomy in the Syrian hamster. <i>NeuroReport</i> , 2001 , 12, 579-82	1.7	88
65	Photorefractoriness in mammals: dissociating a seasonal timer from the circadian-based photoperiod response. <i>Endocrinology</i> , 2005 , 146, 3782-90	4.8	86
64	Multiple effects of melatonin on rhythmic clock gene expression in the mammalian pars tuberalis. <i>Endocrinology</i> , 2006 , 147, 959-65	4.8	85
63	Photoperiod regulates multiple gene expression in the suprachiasmatic nuclei and pars tuberalis of the Siberian hamster (<i>Phodopus sungorus</i>). <i>European Journal of Neuroscience</i> , 2005 , 21, 2967-74	3.5	79
62	Seasonal photoperiodism in vertebrates: from coincidence to amplitude. <i>Trends in Endocrinology and Metabolism</i> , 2006 , 17, 83-91	8.8	78
61	Molecular characterization of the long-day response in the Soay sheep, a seasonal mammal. <i>Current Biology</i> , 2004 , 14, 334-9	6.3	59
60	Hypothesis: cyclical histogenesis is the basis of circannual timing. <i>Journal of Biological Rhythms</i> , 2011 , 26, 471-85	3.2	50

59	Gestational chronodisruption impairs hippocampal expression of NMDA receptor subunits Grin1b/Grin3a and spatial memory in the adult offspring. <i>PLoS ONE</i> , 2014 , 9, e91313	3.7	47
58	Analysis of core circadian feedback loop in suprachiasmatic nucleus of mCry1-luc transgenic reporter mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9547-52	11.5	43
57	Gonadotrophin-releasing hormone drives melatonin receptor down-regulation in the developing pituitary gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 2831-5	11.5	43
56	Implication of the F-Box Protein FBXL21 in circadian pacemaker function in mammals. <i>PLoS ONE</i> , 2008 , 3, e3530	3.7	41
55	Functional divergence of type 2 deiodinase paralogs in the Atlantic salmon. <i>Current Biology</i> , 2015 , 25, 936-41	6.3	39
54	Molecular cloning and pharmacological characterization of rat melatonin MT1 and MT2 receptors. <i>Biochemical Pharmacology</i> , 2008 , 75, 2007-19	6	39
53	The impact of thyroid hormone in seasonal breeding has a restricted transcriptional signature. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 905-919	10.3	38
52	Maternal photoperiod programs hypothalamic thyroid status via the fetal pituitary gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8408-8413	11.5	36
51	Strong pituitary and hypothalamic responses to photoperiod but not to 6-methoxy-2-benzoxazolinone in female common voles (<i>Microtus arvalis</i>). <i>General and Comparative Endocrinology</i> , 2012 , 179, 289-95	3	35
50	Melatonin receptors couple through a cholera toxin-sensitive mechanism to inhibit cyclic AMP in the ovine pituitary. <i>Journal of Neuroendocrinology</i> , 1995 , 7, 361-9	3.8	34
49	Melatonin induces gene-specific effects on rhythmic mRNA expression in the pars tuberalis of the Siberian hamster (<i>Phodopus sungorus</i>). <i>European Journal of Neuroscience</i> , 2007 , 25, 485-90	3.5	32
48	Timing as a sexually selected trait: the right mate at the right moment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	28
47	Extensive local gene duplication and functional divergence among paralogs in Atlantic salmon. <i>Genome Biology and Evolution</i> , 2014 , 6, 1790-805	3.9	28
46	The evolutionary physiology of photoperiodism in vertebrates. <i>Progress in Brain Research</i> , 2012 , 199, 413-422	2.9	27
45	Photoperiod regulates clock gene rhythms in the ovine liver. <i>General and Comparative Endocrinology</i> , 2005 , 142, 357-63	3	27
44	Seasonal Regulation of Reproduction in Mammals 2015 , 1575-1604		23
43	p72, a marker protein for melatonin action in ovine pars tuberalis cells: its regulation by protein kinase A and protein kinase C and differential secretion relative to prolactin. <i>Neuroendocrinology</i> , 1994 , 59, 325-35	5.6	21
42	Photoperiod revisited: is there a critical day length for triggering a complete parr-smolt transformation in Atlantic salmon <i>Salmo salar</i> ?. <i>Journal of Fish Biology</i> , 2018 , 93, 440-448	1.9	14

41	Discontinuity in the molecular neuroendocrine response to increasing daylengths in Ile-de-France ewes: Is transient Dio2 induction a key feature of circannual timing?. <i>Journal of Neuroendocrinology</i> , 2019 , 31, e12775	3.8	14
40	Transcriptional feedback loops in the ovine circadian clock. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009 , 153, 391-8	2.6	14
39	Activity patterns in mammals: Circadian dominance challenged. <i>PLoS Biology</i> , 2019 , 17, e3000360	9.7	13
38	Regulation of pituitary MT1 melatonin receptor expression by gonadotrophin-releasing hormone (GnRH) and early growth response factor-1 (Egr-1): in vivo and in vitro studies. <i>PLoS ONE</i> , 2014 , 9, e90056	3.7	13
37	Circuit-level analysis identifies target genes of sex steroids in ewe seasonal breeding. <i>Molecular and Cellular Endocrinology</i> , 2020 , 512, 110825	4.4	11
36	Regulation of the ovine MT1 melatonin receptor promoter: interaction between multiple pituitary transcription factors at different phases of development. <i>Molecular and Cellular Endocrinology</i> , 2007 , 268, 59-66	4.4	11
35	Neuroendocrine correlates of the critical day length response in the Soay sheep. <i>Journal of Neuroendocrinology</i> , 2018 , 30, e12631	3.8	10
34	Modelling a molecular calendar: The seasonal photoperiodic response in mammals. <i>Chaos, Solitons and Fractals</i> , 2013 , 50, 39-47	9.3	10
33	Seasonal biology: avian photoreception goes deep. <i>Current Biology</i> , 2009 , 19, R685-7	6.3	10
32	Evidence for regulation of basic fibroblast growth factor gene expression by photoperiod and melatonin in the ovine pars tuberalis. <i>Molecular and Cellular Endocrinology</i> , 1999 , 156, 45-53	4.4	9
31	Maternal Photoperiodic Programming: Melatonin and Seasonal Synchronization Before Birth. <i>Frontiers in Endocrinology</i> , 2019 , 10, 901	5.7	8
30	Behavioral Timing without Clockwork: Photoperiod-Dependent Trade-Off between Predation Hazard and Energy Balance in an Arctic Ungulate. <i>Journal of Biological Rhythms</i> , 2016 , 31, 522-33	3.2	7
29	Monitoring and Analyzing of Circadian and Ultradian Locomotor Activity Based on Raspberry-Pi. <i>Electronics (Switzerland)</i> , 2016 , 5, 58	2.6	7
28	Waiting for the Sun: the circannual programme of reindeer is delayed by the recurrence of rhythmical melatonin secretion after the arctic night. <i>Journal of Experimental Biology</i> , 2017 , 220, 3869-3872	2.7	6
27	Effects of Photoperiod Extension on Clock Gene and Neuropeptide RNA Expression in the SCN of the Soay Sheep. <i>PLoS ONE</i> , 2016 , 11, e0159201	3.7	6
26	NFAT5 genes are part of the osmotic regulatory system in Atlantic salmon (<i>Salmo salar</i>). <i>Marine Genomics</i> , 2017 , 31, 25-31	1.9	5
25	Gonads or body? Differences in gonadal and somatic photoperiodic growth response in two vole species. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	5
24	Photoperiodic induction without light-mediated circadian entrainment in a High Arctic resident bird. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	4

23	Diversified regulation of circadian clock gene expression following whole genome duplication. <i>PLoS Genetics</i> , 2020 , 16, e1009097	6	4
22	Evidence for circadian-based photoperiodic timekeeping in Svalbard ptarmigan, the northernmost resident bird. <i>Current Biology</i> , 2021 , 31, 2720-2727.e5	6.3	4
21	Phylogenetic Reclassification of Vertebrate Melatonin Receptors To Include Mel1d. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 3225-3238	3.2	4
20	Photoperiodic regulation in a wild-derived mouse strain. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	4
19	Animal responses to environmental variation: physiological mechanisms in ecological models of performance in deer (Cervidae). <i>Animal Production Science</i> , 2020 , 60, 1248	1.4	3
18	Preliminary observations on the effect of light and temperature on the hatching success and rate of <i>Lepidurus arcticus</i> eggs. <i>Ethology Ecology and Evolution</i> , 2019 , 31, 348-357	0.7	3
17	RNA profiling identifies novel, photoperiod-history dependent markers associated with enhanced saltwater performance in juvenile Atlantic salmon. <i>PLoS ONE</i> , 2020 , 15, e0227496	3.7	3
16	Body Temperature and Activity Rhythms Under Different Photoperiods in High Arctic Svalbard ptarmigan (). <i>Frontiers in Physiology</i> , 2021 , 12, 633866	4.6	3
15	Genome-wide reconstruction of rediploidization following autopolyploidization across one hundred million years of salmonid evolution. <i>Molecular Biology and Evolution</i> , 2021 ,	8.3	2
14	Immunologic Profiling of the Atlantic Salmon Gill by Single Nuclei Transcriptomics. <i>Frontiers in Immunology</i> , 2021 , 12, 669889	8.4	2
13	More than one way to smoltify a salmon? Effects of dietary and light treatment on smolt development and seawater growth performance in Atlantic salmon. <i>Aquaculture</i> , 2021 , 532, 736044	4.4	2
12	Disrupted clocks make us fat: it ain't necessarily so. <i>Experimental Physiology</i> , 2014 , 99, 1179	2.4	1
11	Photoperiod-dependent developmental reprogramming of the transcriptional response to seawater entry in Atlantic salmon (<i>Salmo salar</i>). <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.2	1
10	Mechanisms of temperature modulation in mammalian seasonal timing. <i>FASEB Journal</i> , 2021 , 35, e21605.9	5.9	1
9	Calendar Timing in Teleost Fish. <i>Masterclass in Neuroendocrinology</i> , 2020 , 143-162	0.2	
8	Gerald Lincoln: A man for all seasons. <i>Journal of Neuroendocrinology</i> , 2021 , 33, e12968	3.8	
7	A refined method to monitor arousal from hibernation in the European hamster. <i>BMC Veterinary Research</i> , 2021 , 17, 14	2.7	
6	Diversified regulation of circadian clock gene expression following whole genome duplication 2020 , 16, e1009097		

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