David G Hazlerigg

List of Publications by Year in Descending Order

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	Genome-wide reconstruction of rediploidization following autopolyploidization across one hundred million years of salmonid evolution. *Molecular Biology and Evolution*, **2021**,	8.3	2
75	Photoperiod-dependent developmental reprogramming of the transcriptional response to seawater entry in Atlantic salmon (Salmo salar). *G3: Genes, Genomes, Genetics*, **2021**, 11,	3.2	1
74	Mechanisms of temperature modulation in mammalian seasonal timing. *FASEB Journal*, **2021**, 35, e21605	0.9	1
73	Immunologic Profiling of the Atlantic Salmon Gill by Single Nuclei Transcriptomics. *Frontiers in Immunology*, **2021**, 12, 669889	8.4	2
72	Gerald Lincoln: A man for all seasons. *Journal of Neuroendocrinology*, **2021**, 33, e12968	3.8	
71	Evidence for circadian-based photoperiodic timekeeping in Svalbard ptarmigan, the northernmost resident bird. *Current Biology*, **2021**, 31, 2720-2727.e5	6.3	4
70	More than one way to smoltify a salmon? Effects of dietary and light treatment on smolt development and seawater growth performance in Atlantic salmon. *Aquaculture*, **2021**, 532, 736044	4.4	2
69	A refined method to monitor arousal from hibernation in the European hamster. *BMC Veterinary Research*, **2021**, 17, 14	2.7	
68	Body Temperature and Activity Rhythms Under Different Photoperiods in High Arctic Svalbard ptarmigan (). *Frontiers in Physiology*, **2021**, 12, 633866	4.6	3
67	Circuit-level analysis identifies target genes of sex steroids in ewe seasonal breeding. *Molecular and Cellular Endocrinology*, **2020**, 512, 110825	4.4	11
66	Animal responses to environmental variation: physiological mechanisms in ecological models of performance in deer (Cervidae). *Animal Production Science*, **2020**, 60, 1248	1.4	3
65	Photoperiodic induction without light-mediated circadian entrainment in a High Arctic resident bird. *Journal of Experimental Biology*, **2020**, 223,	3	4
64	Calendar Timing in Teleost Fish. *Masterclass in Neuroendocrinology*, **2020**, 143-162	0.2	
63	Diversified regulation of circadian clock gene expression following whole genome duplication. *PLoS Genetics*, **2020**, 16, e1009097	6	4
62	Gonads or body? Differences in gonadal and somatic photoperiodic growth response in two vole species. *Journal of Experimental Biology*, **2020**, 223,	3	5
61	Photoperiodic regulation in a wild-derived mouse strain. *Journal of Experimental Biology*, **2020**, 223,	3	4
60	RNA profiling identifies novel, photoperiod-history dependent markers associated with enhanced saltwater performance in juvenile Atlantic salmon. *PLoS ONE*, **2020**, 15, e0227496	3.7	3

59	Diversified regulation of circadian clock gene expression following whole genome duplication **2020**, 16, e1009097		
58	Diversified regulation of circadian clock gene expression following whole genome duplication **2020**, 16, e1009097		
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54	Diversified regulation of circadian clock gene expression following whole genome duplication **2020**, 16, e1009097		
53	Preliminary observations on the effect of light and temperature on the hatching success and rate of Lepidurus arcticus eggs. *Ethology Ecology and Evolution*, **2019**, 31, 348-357	0.7	3
52	Activity patterns in mammals: Circadian dominance challenged. *PLoS Biology*, **2019**, 17, e3000360	9.7	13
51	Discontinuity in the molecular neuroendocrine response to increasing daylengths in Ile-de-France ewes: Is transient Dio2 induction a key feature of circannual timing?. *Journal of Neuroendocrinology*, **2019**, 31, e12775	3.8	14
50	Maternal Photoperiodic Programming: Melatonin and Seasonal Synchronization Before Birth. *Frontiers in Endocrinology*, **2019**, 10, 901	5.7	8
49	Phylogenetic Reclassification of Vertebrate Melatonin Receptors To Include Mel1d. *G3: Genes, Genomes, Genetics*, **2019**, 9, 3225-3238	3.2	4
48	The impact of thyroid hormone in seasonal breeding has a restricted transcriptional signature. *Cellular and Molecular Life Sciences*, **2018**, 75, 905-919	10.3	38
47	Photoperiod revisited: is there a critical day length for triggering a complete parr-smolt transformation in Atlantic salmon Salmo salar?. *Journal of Fish Biology*, **2018**, 93, 440-448	1.9	14
46	Neuroendocrine correlates of the critical day length response in the Soay sheep. *Journal of Neuroendocrinology*, **2018**, 30, e12631	3.8	10
45	Timing as a sexually selected trait: the right mate at the right moment. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	28
44	Waiting for the Sun: the circannual programme of reindeer is delayed by the recurrence of rhythmical melatonin secretion after the arctic night. *Journal of Experimental Biology*, **2017**, 220, 3869-3872	3	6
43	Maternal photoperiod programs hypothalamic thyroid status via the fetal pituitary gland. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8408-8413	11.5	36
42	NFAT5 genes are part of the osmotic regulatory system in Atlantic salmon (Salmo salar). *Marine Genomics*, **2017**, 31, 25-31	1.9	5

41	Behavioral Timing without Clockwork: Photoperiod-Dependent Trade-Off between Predation Hazard and Energy Balance in an Arctic Ungulate. *Journal of Biological Rhythms*, **2016**, 31, 522-33	3.2	7
40	Monitoring and Analyzing of Circadian and Ultradian Locomotor Activity Based on Raspberry-Pi. *Electronics (Switzerland)*, **2016**, 5, 58	2.6	7
39	Effects of Photoperiod Extension on Clock Gene and Neuropeptide RNA Expression in the SCN of the Soay Sheep. *PLoS ONE*, **2016**, 11, e0159201	3.7	6
38	Functional divergence of type 2 deiodinase paralogs in the Atlantic salmon. *Current Biology*, **2015**, 25, 936-41	6.3	39
37	Seasonal Regulation of Reproduction in Mammals **2015**, 1575-1604		23
36	A circannual clock drives expression of genes central for seasonal reproduction. *Current Biology*, **2014**, 24, 1500-6	6.3	92
35	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. *PLoS ONE*, **2014**, 9, e90056	3.7	13
34	Gestational chronodisruption impairs hippocampal expression of NMDA receptor subunits Grin1b/Grin3a and spatial memory in the adult offspring. *PLoS ONE*, **2014**, 9, e91313	3.7	47
33	Disrupted clocks make us fat: it ain₩ necessarily so. *Experimental Physiology*, **2014**, 99, 1179	2.4	1
32	Thyroid hormone and seasonal rhythmicity. *Frontiers in Endocrinology*, **2014**, 5, 19	5.7	111
31	Extensive local gene duplication and functional divergence among paralogs in Atlantic salmon. *Genome Biology and Evolution*, **2014**, 6, 1790-805	3.9	28
30	Modelling a molecular calendar: The seasonal photoperiodic response in mammals. *Chaos, Solitons and Fractals*, **2013**, 50, 39-47	9.3	10
29	Analysis of core circadian feedback loop in suprachiasmatic nucleus of mCry1-luc transgenic reporter mouse. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9547-52	11.5	43
28	Strong pituitary and hypothalamic responses to photoperiod but not to 6-methoxy-2-benzoxazolinone in female common voles (Microtus arvalis). *General and Comparative Endocrinology*, **2012**, 179, 289-95	3	35
27	The evolutionary physiology of photoperiodism in vertebrates. *Progress in Brain Research*, **2012**, 199, 413-422	2.9	27
26	Hypothesis: cyclical histogenesis is the basis of circannual timing. *Journal of Biological Rhythms*, **2011**, 26, 471-85	3.2	50
25	A molecular switch for photoperiod responsiveness in mammals. *Current Biology*, **2010**, 20, 2193-8	6.3	189
24	Seasonal biology: avian photoreception goes deep. *Current Biology*, **2009**, 19, R685-7	6.3	10

23	Transcriptional feedback loops in the ovine circadian clock. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2009**, 153, 391-8	2.6	14
22	Molecular cloning and pharmacological characterization of rat melatonin MT1 and MT2 receptors. *Biochemical Pharmacology*, **2008**, 75, 2007-19	6	39
21	Ancestral TSH mechanism signals summer in a photoperiodic mammal. *Current Biology*, **2008**, 18, 1147-52	6.3	290
20	New insights into ancient seasonal life timers. *Current Biology*, **2008**, 18, R795-R804	6.3	99
19	Implication of the F-Box Protein FBXL21 in circadian pacemaker function in mammals. *PLoS ONE*, **2008**, 3, e3530	3.7	41
18	Melatonin induces gene-specific effects on rhythmic mRNA expression in the pars tuberalis of the Siberian hamster (Phodopus sungorus). *European Journal of Neuroscience*, **2007**, 25, 485-90	3.5	32
17	C/EBPbeta reprograms white 3T3-L1 preadipocytes to a Brown adipocyte pattern of gene expression. *Journal of Biological Chemistry*, **2007**, 282, 24660-9	5.4	88
16	Regulation of the ovine MT1 melatonin receptor promoter: interaction between multiple pituitary transcription factors at different phases of development. *Molecular and Cellular Endocrinology*, **2007**, 268, 59-66	4.4	11
15	Multiple effects of melatonin on rhythmic clock gene expression in the mammalian pars tuberalis. *Endocrinology*, **2006**, 147, 959-65	4.8	85
14	Characterizing a mammalian circannual pacemaker. *Science*, **2006**, 314, 1941-4	33.3	201
13	Seasonal photoperiodism in vertebrates: from coincidence to amplitude. *Trends in Endocrinology and Metabolism*, **2006**, 17, 83-91	8.8	78
12	Photoperiod regulates multiple gene expression in the suprachiasmatic nuclei and pars tuberalis of the Siberian hamster (Phodopus sungorus). *European Journal of Neuroscience*, **2005**, 21, 2967-74	3.5	79
11	Photoperiod differentially regulates gene expression rhythms in the rostral and caudal SCN. *Current Biology*, **2005**, 15, R449-50	6.3	89
10	Photoperiod regulates clock gene rhythms in the ovine liver. *General and Comparative Endocrinology*, **2005**, 142, 357-63	3	27
9	Photorefractoriness in mammals: dissociating a seasonal timer from the circadian-based photoperiod response. *Endocrinology*, **2005**, 146, 3782-90	4.8	86
8	Molecular characterization of the long-day response in the Soay sheep, a seasonal mammal. *Current Biology*, **2004**, 14, 334-9	6.3	59
7	Gonadotrophin-releasing hormone drives melatonin receptor down-regulation in the developing pituitary gland. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 2831-5	11.5	43
6	Temporal expression of seven clock genes in the suprachiasmatic nucleus and the pars tuberalis of the sheep: evidence for an internal coincidence timer. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 13890-5	11.5	183

5	Tissue-specific abolition of Per1 expression in the pars tuberalis by pinealectomy in the Syrian hamster. *NeuroReport*, **2001**, 12, 579-82	1.7	88
4	Photoperiod differentially regulates the expression of Per1 and ICER in the pars tuberalis and the suprachiasmatic nucleus of the Siberian hamster. *European Journal of Neuroscience*, **2000**, 12, 2865-70	3.5	108
3	Evidence for regulation of basic fibroblast growth factor gene expression by photoperiod and melatonin in the ovine pars tuberalis. *Molecular and Cellular Endocrinology*, **1999**, 156, 45-53	4.4	9
2	Melatonin receptors couple through a cholera toxin-sensitive mechanism to inhibit cyclic AMP in the ovine pituitary. *Journal of Neuroendocrinology*, **1995**, 7, 361-9	3.8	34
1	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. *Neuroendocrinology*, **1994**, 59, 325-35	5.6	21