Elizabeth S Maywood

List of Publications by Year
in descending order

68 papers	15,037 citations	38720 50 h-index	91828 69 g-index
72 all docs	72 docs citations	72 times ranked	10673 citing authors

#	Article	IF	Citations
1	The Cell-Autonomous Clock of VIP Receptor VPAC2 Cells Regulates Period and Coherence of Circadian Behavior. Journal of Neuroscience, 2021, 41, 502-512.	1.7	14
2	Restoring the Molecular Clockwork within the Suprachiasmatic Hypothalamus of an Otherwise Clockless Mouse Enables Circadian Phasing and Stabilization of Sleep-Wake Cycles and Reverses Memory Deficits. Journal of Neuroscience, 2021, 41, 8562-8576.	1.7	13
3	Zfhx3-mediated genetic ablation of the SCN abolishes light entrainable circadian activity while sparing food anticipatory activity. IScience, 2021, 24, 103142.	1.9	7
4	Synchronization and maintenance of circadian timing in the mammalian clockwork. European Journal of Neuroscience, 2020, 51, 229-240.	1.2	16
5	The VIP-VPAC2 neuropeptidergic axis is a cellular pacemaking hub of the suprachiasmatic nucleus circadian circuit. Nature Communications, 2020, 11, 3394.	5.8	46
6	Insulin/IGF-1 Drives PERIOD Synthesis to Entrain Circadian Rhythms with Feeding Time. Cell, 2019, 177, 896-909.e20.	13.5	227
7	The Mammalian Circadian Timing System and the Suprachiasmatic Nucleus as Its Pacemaker. Biology, 2019, 8, 13.	1.3	111
8	Cell-autonomous clock of astrocytes drives circadian behavior in mammals. Science, 2019, 363, 187-192.	6.0	241
9	Translational switching of Cry1 protein expression confers reversible control of circadian behavior in arrhythmic Cry-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12388-E12397.	3.3	31
10	Generation of circadian rhythms in the suprachiasmatic nucleus. Nature Reviews Neuroscience, 2018, 19, 453-469.	4.9	601
11	Differential roles for cryptochromes in the mammalian retinal clock. FASEB Journal, 2018, 32, 4302-4314.	0.2	20
12	Astrocytes Control Circadian Timekeeping in the Suprachiasmatic Nucleus via Glutamatergic Signaling. Neuron, 2017, 93, 1420-1435.e5.	3.8	323
13	Visualizing and Quantifying Intracellular Behavior and Abundance of the Core Circadian Clock Protein PERIOD2. Current Biology, 2016, 26, 1880-1886.	1.8	47
14	Temporally chimeric mice reveal flexibility of circadian period-setting in the suprachiasmatic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3657-3662.	3.3	64
15	Genetic code expansion in the mouse brain. Nature Chemical Biology, 2016, 12, 776-778.	3.9	107
16	Early doors (<i>Edo</i>) mutant mouse reveals the importance of period 2 (PER2) PAS domain structure for circadian pacemaking. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2756-2761.	3.3	19
17	Rhythmic expression of cryptochrome induces the circadian clock of arrhythmic suprachiasmatic nuclei through arginine vasopressin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2732-2737.	3.3	63
18	The Regulatory Factor ZFHX3 Modifies Circadian Function in SCN via an AT Motif-Driven Axis. Cell, 2015, 162, 607-621.	13.5	74

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19	A Specific Role for the REV-ERBÎ±â€"Controlled L-Type Voltage-Gated Calcium Channel Ca_V1.2 in Resetting the Circadian Clock in the Late Night. Journal of Biological Rhythms, 2014, 29, 288-298.	1.4	41
20	Circadian Factor BMAL1 in Histaminergic Neurons Regulates Sleep Architecture. Current Biology, 2014, 24, 2838-2844.	1.8	74
21	A Gq-Ca2+ Axis Controls Circuit-Level Encoding of Circadian Time in the Suprachiasmatic Nucleus. Neuron, 2013, 78, 714-728.	3.8	164
22	Synthetic Self-Assembling Clostridial Chimera for Modulation of Sensory Functions. Bioconjugate Chemistry, 2013, 24, 1750-1759.	1.8	31
23	Cellular Mechanisms of Circadian Pacemaking: Beyond Transcriptional Loops. Handbook of Experimental Pharmacology, 2013, , 67-103.	0.9	52
24	Distinct and Separable Roles for Endogenous CRY1 and CRY2 within the Circadian Molecular Clockwork of the Suprachiasmatic Nucleus, as Revealed by the Fbxl3^{Afh}Mutation. Journal of Neuroscience, 2013, 33, 7145-7153.	1.7	56
25	Analysis of core circadian feedback loop in suprachiasmatic nucleus of <i>mCry1-luc</i> transgenic reporter mouse. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9547-9552.	3.3	56
26	Regulation of alternative splicing by the circadian clock and food related cues. Genome Biology, 2012, 13, R54.	13.9	89
27	Peroxiredoxins are conserved markers of circadian rhythms. Nature, 2012, 485, 459-464.	13.7	752
28	Disrupted Circadian Rhythms in a Mouse Model of Schizophrenia. Current Biology, 2012, 22, 314-319.	1.8	86
29	Cyclic AMP Signaling Control of Action Potential Firing Rate and Molecular Circadian Pacemaking in the Suprachiasmatic Nucleus. Journal of Biological Rhythms, 2011, 26, 210-220.	1.4	51
30	Re-Assembled Botulinum Neurotoxin Inhibits CNS Functions without Systemic Toxicity. Toxins, 2011, 3, 345-355.	1.5	31
31	A diversity of paracrine signals sustains molecular circadian cycling in suprachiasmatic nucleus circuits. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14306-14311.	3.3	251
32	Tuning the Period of the Mammalian Circadian Clock: Additive and Independent Effects of CK1Îµ^{Tau}and Fbxl3^{Afh}Mutations on Mouse Circadian Behavior and Molecular Pacemaking. Journal of Neuroscience, 2011, 31, 1539-1544.	1.7	42
33	Entrainment of disrupted circadian behavior through inhibition of casein kinase 1 (CK1) enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15240-15245.	3.3	219
34	Proteomic Analysis Reveals the Role of Synaptic Vesicle Cycling in Sustaining the Suprachiasmatic Circadian Clock. Current Biology, 2009, 19, 2031-2036.	1.8	123
35	Differential Testicular Gene Expression in Seasonal Fertility. Journal of Biological Rhythms, 2009, 24, 114-125.	1.4	10
36	Cellular Circadian Pacemaking and the Role of Cytosolic Rhythms. Current Biology, 2008, 18, R805-R815.	1.8	133

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37	Setting Clock Speed in Mammals: The CK1É› tau Mutation in Mice Accelerates Circadian Pacemakers by Selectively Destabilizing PERIOD Proteins. Neuron, 2008, 58, 78-88.	3.8	342
38	cAMP-Dependent Signaling as a Core Component of the Mammalian Circadian Pacemaker. Science, 2008, 320, 949-953.	6.0	381
39	Minireview: The Circadian Clockwork of the Suprachiasmatic Nucleiâ€"Analysis of a Cellular Oscillator that Drives Endocrine Rhythms. Endocrinology, 2007, 148, 5624-5634.	1.4	103
40	The After-Hours Mutant Reveals a Role for Fbxl3 in Determining Mammalian Circadian Period. Science, 2007, 316, 897-900.	6.0	434
41	Entrainment to Feeding but Not to Light: Circadian Phenotype of VPAC2 Receptor-Null Mice. Journal of Neuroscience, 2007, 27, 4351-4358.	1.7	82
42	Pharmacological Imposition of Sleep Slows Cognitive Decline and Reverses Dysregulation of Circadian Gene Expression in a Transgenic Mouse Model of Huntington's Disease. Journal of Neuroscience, 2007, 27, 7869-7878.	1.7	185
43	Prokineticin receptor 2 (Prokr2) is essential for the regulation of circadian behavior by the suprachiasmatic nuclei. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 648-653.	3.3	128
44	Circadian clocks: regulators of endocrine and metabolic rhythms. Journal of Endocrinology, 2007, 195, 187-198.	1.2	418
45	A Clock Shock: Mouse CLOCK Is Not Required for Circadian Oscillator Function. Neuron, 2006, 50, 465-477.	3.8	386
46	Synchronization and Maintenance of Timekeeping in Suprachiasmatic Circadian Clock Cells by Neuropeptidergic Signaling. Current Biology, 2006, 16, 599-605.	1.8	397
47	Circadian Orchestration of the Hepatic Proteome. Current Biology, 2006, 16, 1107-1115.	1.8	506
48	Circadian timing in health and disease. Progress in Brain Research, 2006, 153, 253-269.	0.9	76
49	Disintegration of the Sleep-Wake Cycle and Circadian Timing in Huntington's Disease. Journal of Neuroscience, 2005, 25, 157-163.	1.7	361
50	A clockwork web: circadian timing in brain and periphery, in health and disease. Nature Reviews Neuroscience, 2003, 4, 649-661.	4.9	1,039
51	The VPAC2 Receptor Is Essential for Circadian Function in the Mouse Suprachiasmatic Nuclei. Cell, 2002, 109, 497-508.	13.5	488
52	Circadian Cycling of the Mouse Liver Transcriptome, as Revealed by cDNA Microarray, Is Driven by the Suprachiasmatic Nucleus. Current Biology, 2002, 12, 540-550.	1.8	711
53	Opposing actions of neuropeptide Y and light on the expression of circadian clock genes in the mouse suprachiasmatic nuclei. European Journal of Neuroscience, 2002, 15, 216-220.	1.2	67
54	Differential Functions of mPer1, mPer2, and mPer3 in the SCN Circadian Clock. Neuron, 2001, 30, 525-536.	3.8	802

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55	IMPAIRED EXPRESSION OF THEmPer2CIRCADIAN CLOCK GENE IN THE SUPRACHIASMATIC NUCLEI OF AGING MICE. Chronobiology International, 2001, 18, 559-565.	0.9	78
56	Circadian clocks in the mammalian brain. BioEssays, 2000, 22, 23-31.	1.2	74
57	The circadian cycle of mPER clock gene products in the suprachiasmatic nucleus of the Siberian hamster encodes both daily and seasonal time. European Journal of Neuroscience, 2000, 12, 2856-2864.	1.2	136
58	Differential adrenergic regulation of the circadian expression of the clock genesPeriod1andPeriod2in the rat pineal gland. European Journal of Neuroscience, 2000, 12, 4557-4561.	1.2	84
59	Analysis of Clock Proteins in Mouse SCN Demonstrates Phylogenetic Divergence of the Circadian Clockwork and Resetting Mechanisms. Neuron, 2000, 25, 437-447.	3.8	318
60	Interacting Molecular Loops in the Mammalian Circadian Clock. Science, 2000, 288, 1013-1019.	6.0	1,223
61	mCRY1 and mCRY2 Are Essential Components of the Negative Limb of the Circadian Clock Feedback Loop. Cell, 1999, 98, 193-205.	13.5	1,445
62	Entrainment of the Circadian System of Mammals by Nonphotic Cues. Chronobiology International, 1998, 15, 425-445.	0.9	110
63	A Thalamic Contribution to Arousal-induced, Non-photic Entrainment of the Circadian Clock of the Syrian Hamster. European Journal of Neuroscience, 1997, 9, 1739-1747.	1.2	73
64	Lesions of the Melatonin- and Androgen-Responsive Tissue of the Dorsomedial Nucleus of the Hypothalamus Block the Gonadal Response of Male Syrian Hamsters to Programmed Infusions of Melatonin1. Biology of Reproduction, 1996, 54, 470-477.	1.2	115
65	Regional Distribution of Iodomelatonin Binding Sites within the Suprachiasmatic Nucleus of the Syrian Hamster and the Siberian Hamster. Journal of Neuroendocrinology, 1995, 7, 215-223.	1.2	50
66	Melatonin receptors in the rat brain and pituitary. Journal of Pineal Research, 1995, 19, 173-177.	3.4	83
67	Gonadal Responses of the Male Tau Mutant Syrian Hamster to Short-Day-Like Programmed Infusions of Melatonin1. Biology of Reproduction, 1995, 53, 361-367.	1.2	17
68	Photoperiod Regulates the LH Response to Central Glutamatergic Stimulation in the Male Syrian Hamster. Journal of Neuroendocrinology, 1993, 5, 609-618.	1.2	25