

Steven M Yellon

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.

98
papers

3,183
citations

33
h-index

52
g-index

100
ext. papers

3,442
ext. citations

4.2
avg. IF

5.17
L-index

#	Paper	IF	Citations
98	Daily melatonin administration at middle age suppresses male rat visceral fat, plasma leptin, and plasma insulin to youthful levels. <i>Endocrinology</i> , 1999 , 140, 1009-12	4.8	191
97	Short day lengths augment stress-induced leukocyte trafficking and stress-induced enhancement of skin immune function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4067-72	11.5	144
96	Photoperiod control of reproductive development in the male Djungarian hamster (<i>Phodopus sungorus</i>). <i>Endocrinology</i> , 1984 , 114, 664-70	4.8	133
95	Pineal melatonin mediates photoperiodic control of pulsatile luteinizing hormone secretion in the ewe. <i>Neuroendocrinology</i> , 1985 , 40, 409-18	5.6	122
94	Macrophage trafficking in the uterus and cervix precedes parturition in the mouse. <i>Biology of Reproduction</i> , 1999 , 61, 879-83	3.9	111
93	Ontogeny of the pineal melatonin rhythm in the Syrian (<i>Mesocricetus auratus</i>) and Siberian (<i>Phodopus sungorus</i>) hamsters and in the rat. <i>Endocrinology</i> , 1980 , 107, 1061-4	4.8	106
92	Acute 60 Hz magnetic field exposure effects on the melatonin rhythm in the pineal gland and circulation of the adult Djungarian hamster. <i>Journal of Pineal Research</i> , 1994 , 16, 136-44	10.4	94
91	Effect of maternal pinealectomy and reverse photoperiod on the circadian melatonin rhythm in the sheep and fetus during the last trimester of pregnancy. <i>Biology of Reproduction</i> , 1988 , 39, 1093-9	3.9	86
90	Melatonin and photorefractoriness: loss of response to the melatonin signal leads to seasonal reproductive transitions in the ewe. <i>Biology of Reproduction</i> , 1986 , 34, 265-74	3.9	77
89	Diurnal changes in pineal melatonin content in four rodent species: relationship to photoperiodism. <i>Biology of Reproduction</i> , 1981 , 24, 778-83	3.9	77
88	Pineal melatonin in the Djungarian hamster: photoperiodic regulation of a circadian rhythm. <i>Endocrinology</i> , 1982 , 111, 488-92	4.8	61
87	Prenatal androgens time neuroendocrine sexual maturation. <i>Endocrinology</i> , 1991 , 128, 2457-68	4.8	58
86	Contributions to the dynamics of cervix remodeling prior to term and preterm birth. <i>Biology of Reproduction</i> , 2017 , 96, 13-23	3.9	57
85	Alternate photoperiods time puberty in the female lamb. <i>Endocrinology</i> , 1985 , 116, 2090-7	4.8	56
84	Aging-dependent changes in the effect of daily melatonin supplementation on rat metabolic and behavioral responses. <i>Journal of Pineal Research</i> , 2001 , 31, 89-94	10.4	54
83	Role of photoperiod and the pineal gland in T cell-dependent humoral immune reactivity in the Siberian hamster. <i>Journal of Pineal Research</i> , 1999 , 27, 243-8	10.4	52
82	Residency and activation of myeloid cells during remodeling of the prepartum murine cervix. <i>Biology of Reproduction</i> , 2012 , 87, 106	3.9	50

81	Exosomes Cause Preterm Birth in Mice: Evidence for Paracrine Signaling in Pregnancy. <i>Scientific Reports</i> , 2019 , 9, 608	4.9	48
80	Importance of duration of nocturnal melatonin secretion in determining the reproductive response to inductive photoperiod in the ewe. <i>Biology of Reproduction</i> , 1985 , 32, 523-9	3.9	46
79	Delayed puberty in the male Djungarian hamster: effect of short photoperiod or melatonin treatment on the GnRH neuronal system. <i>Neuroendocrinology</i> , 1991 , 54, 96-102	5.6	45
78	Medroxyprogesterone acetate modulates remodeling, immune cell census, and nerve fibers in the cervix of a mouse model for inflammation-induced preterm birth. <i>Reproductive Sciences</i> , 2009 , 16, 257-64	3.2	42
77	Placental gene expression in a rat model of placental insufficiency. <i>Placenta</i> , 2010 , 31, 568-75	3.4	41
76	Melatonin rhythms time photoperiod-induced puberty in the female lamb. <i>Endocrinology</i> , 1986 , 119, 44-9	4.8	41
75	Photoperiod regulation of uterine activity and melatonin rhythms in the pregnant rhesus macaque. <i>Biology of Reproduction</i> , 1991 , 44, 967-74	3.9	40
74	Influence of photoperiod on immune cell functions in the male Siberian hamster. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999 , 276, R97-R102	3.2	39
73	Delayed onset of puberty and subtle alterations in GnRH neuronal morphology in female rats exposed prenatally to ethanol. <i>Alcohol</i> , 1992 , 9, 335-40	2.7	38
72	Parturition and recruitment of macrophages in cervix of mice lacking the prostaglandin F receptor. <i>Biology of Reproduction</i> , 2008 , 78, 438-44	3.9	36
71	Photorefractoriness of immune function in male Siberian hamsters (<i>Phodopus sungorus</i>). <i>Journal of Neuroendocrinology</i> , 2002 , 14, 318-29	3.8	35
70	Photoperiod, reproduction, and immunity in select strains of inbred mice. <i>Journal of Biological Rhythms</i> , 2002 , 17, 65-75	3.2	34
69	The ontogeny of melatonin secretion in the lamb. <i>Endocrinology</i> , 1989 , 124, 2135-43	4.8	34
68	Progesterone withdrawal promotes remodeling processes in the nonpregnant mouse cervix. <i>Biology of Reproduction</i> , 2009 , 81, 1-6	3.9	33
67	Increased innervation and ripening of the prepartum murine cervix. <i>Journal of the Society for Gynecologic Investigation</i> , 2005 , 12, 578-85		33
66	Photic entrainment of circannual rhythms in golden-mantled ground squirrels: role of the pineal gland. <i>Journal of Biological Rhythms</i> , 2000 , 15, 126-34	3.2	33
65	Elevated total peripheral leukocyte count may identify risk for neurological disability in asphyxiated term neonates. <i>Journal of Perinatology</i> , 2007 , 27, 365-70	3.1	32
64	Circadian myometrial and endocrine rhythms in the pregnant rhesus macaque: effects of constant light and timed melatonin infusion. <i>American Journal of Obstetrics and Gynecology</i> , 1991 , 165, 1777-84	6.4	32

63	Maturation of the pineal melatonin rhythm in long- and short-day reared Djungarian hamsters. <i>Experientia</i> , 1985 , 41, 651-2		32
62	Loss of progesterone receptor-mediated actions induce preterm cellular and structural remodeling of the cervix and premature birth. <i>PLoS ONE</i> , 2013 , 8, e81340	3.7	31
61	Progesterone Receptor-Mediated Actions Regulate Remodeling of the Cervix in Preparation for Preterm Parturition. <i>Reproductive Sciences</i> , 2016 , 23, 1473-1483	3	30
60	Photoperiod modulates the inhibitory effect of in vitro melatonin on lymphocyte proliferation in female Siberian hamsters. <i>Journal of Biological Rhythms</i> , 2001 , 16, 224-33	3.2	29
59	Influence of acute melatonin treatment and light on the circadian melatonin rhythm in the Djungarian hamster. <i>Journal of Biological Rhythms</i> , 1994 , 9, 71-81	3.2	29
58	Is myometrial inflammation a cause or a consequence of term human labour?. <i>Journal of Endocrinology</i> , 2017 , 235, 69-83	4.7	27
57	In vitro melatonin treatment enhances splenocyte proliferation in prairie voles. <i>Journal of Pineal Research</i> , 2000 , 28, 34-40	10.4	27
56	Immunobiology of Cervix Ripening. <i>Frontiers in Immunology</i> , 2019 , 10, 3156	8.4	27
55	Ventromedial hypothalamic mediation of photoperiodic gonadal responses in male Syrian hamsters. <i>Journal of Biological Rhythms</i> , 1999 , 14, 391-401	3.2	26
54	Density of Stromal Cells and Macrophages Associated With Collagen Remodeling in the Human Cervix in Preterm and Term Birth. <i>Reproductive Sciences</i> , 2016 , 23, 595-603	3	25
53	Temporal reorganization of the suprachiasmatic nuclei in hamsters with split circadian rhythms. <i>Journal of Biological Rhythms</i> , 2001 , 16, 552-63	3.2	25
52	Distribution and activation of uterine mononuclear phagocytes in peripartum endometrium and myometrium of the mouse. <i>Biology of Reproduction</i> , 2000 , 62, 1193-200	3.9	25
51	Maternal transfer of photoperiodic information in Siberian hamsters. V. Effects of melatonin implants are dependent on photoperiod. <i>Biology of Reproduction</i> , 1992 , 47, 291-6	3.9	25
50	Transection of the pelvic or vagus nerve forestalls ripening of the cervix and delays birth in rats. <i>Biology of Reproduction</i> , 2011 , 84, 587-94	3.9	24
49	The gonadotropin-releasing hormone neuronal system of the male Djungarian hamster: distribution from the olfactory tubercle to the medial basal hypothalamus. <i>Neuroendocrinology</i> , 1990 , 51, 219-25	5.6	24
48	Lifespan daily locomotor activity rhythms in a mouse model of amyloid-induced neuropathology. <i>Chronobiology International</i> , 2010 , 27, 1159-77	3.6	23
47	Long-term hypoxia increases endothelial nitric oxide synthase expression in the ovine fetal adrenal. <i>Reproductive Sciences</i> , 2009 , 16, 865-74	3	23
46	Remodeling of the cervix and parturition in mice lacking the progesterone receptor B isoform. <i>Biology of Reproduction</i> , 2011 , 85, 498-502	3.9	23

45	A developmental study of the gonadotropin-releasing hormone neuronal system during sexual maturation in the male Djungarian hamster. <i>Biology of Reproduction</i> , 1991 , 45, 440-6	3.9	23
44	Effect of various acute 60 Hz magnetic field exposures on the nocturnal melatonin rise in the adult Djungarian hamster. <i>Journal of Pineal Research</i> , 1997 , 22, 177-83	10.4	22
43	Determinants of puberty in a seasonal breeder. <i>Endocrine Reviews</i> , 1986 , 42, 331-84		22
42	Daily timed melatonin feedings mimic effects of short days on testis regression and cortisol in circulation in Siberian hamsters. <i>General and Comparative Endocrinology</i> , 2006 , 146, 211-6	3	21
41	Sex differences in photoperiod control of antigen-specific primary and secondary humoral immunity in Siberian Hamsters. <i>Journal of Neuroimmunology</i> , 2002 , 128, 39-48	3.5	21
40	Effects of photoperiod on reproduction and the gonadotropin-releasing hormone-immunoreactive neuron system in the postpubertal male Djungarian hamster. <i>Biology of Reproduction</i> , 1994 , 50, 368-72	3.9	21
39	Daily melatonin treatments regulate the circadian melatonin rhythm in the adult Djungarian hamster. <i>Journal of Biological Rhythms</i> , 1996 , 11, 4-13	3.2	20
38	Are ambient short-day cues necessary for puberty in a short-day breeder?. <i>Biology of Reproduction</i> , 1988 , 38, 821-9	3.9	20
37	Macrophage gene expression associated with remodeling of the prepartum rat cervix: microarray and pathway analyses. <i>PLoS ONE</i> , 2015 , 10, e0119782	3.7	19
36	Melatonin rhythm onset in the adult siberian hamster: influence of photoperiod but not 60-Hz magnetic field exposure on melatonin content in the pineal gland and in circulation. <i>Journal of Biological Rhythms</i> , 1998 , 13, 52-9	3.2	18
35	Maturation of spontaneous and agonist-induced uterine contractions in the peripartum mouse uterus. <i>Biology of Reproduction</i> , 1999 , 61, 873-8	3.9	17
34	Immunophenotypes in the circulation of patients with mild cognitive impairment. <i>Journal of Psychiatric Research</i> , 2008 , 42, 240-6	5.2	16
33	Effects of endotoxin and macrophage-related cytokines on the contractile activity of the gravid murine uterus. <i>Biology of Reproduction</i> , 2003 , 69, 1165-9	3.9	16
32	Cervix remodeling and parturition in the rat: lack of a role for hypogastric innervation. <i>Reproduction</i> , 2009 , 137, 739-48	3.8	15
31	Melatonin production accompanies arousal from daily torpor in Siberian hamsters. <i>Physiological and Biochemical Zoology</i> , 2003 , 76, 577-85	2	15
30	Regulation of basal adrenocorticotropin and cortisol secretion by arginine vasopressin in the fetal sheep during late gestation. <i>Endocrinology</i> , 1991 , 129, 295-300	4.8	15
29	Time course and role of the pineal gland in photoperiod control of innate immune cell functions in male Siberian hamsters. <i>Journal of Neuroimmunology</i> , 2005 , 161, 137-44	3.5	14
28	Photoperiod control of the melatonin rhythm and reproductive maturation in the juvenile Djungarian hamster: 60-Hz magnetic field exposure effects. <i>Biology of Reproduction</i> , 1996 , 55, 455-60	3.9	14

27	Melatonin mediates photoperiod control of endocrine adaptations and humoral immunity in male Siberian hamsters. <i>Journal of Pineal Research</i> , 2007 , 43, 109-14	10.4	13
26	Reproductive, neuroendocrine, and immune consequences of acute exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin in the Siberian hamster. <i>Biology of Reproduction</i> , 2000 , 63, 538-43	3.9	13
25	Melatonin chimeras alter reproductive development and photorefractoriness in Siberian hamsters. <i>Journal of Biological Rhythms</i> , 1998 , 13, 518-31	3.2	12
24	Retinal input to the suprachiasmatic nucleus before and after puberty in Djungarian hamsters. <i>Brain Research Bulletin</i> , 1993 , 32, 29-33	3.9	12
23	Nitric oxide metabolism in the human placenta during aberrant maternal inflammation. <i>Journal of Physiology</i> , 2020 , 598, 2223-2241	3.9	10
22	Effects of macrophage depletion on characteristics of cervix remodeling and pregnancy in CD11b-dtr mice. <i>Biology of Reproduction</i> , 2019 , 100, 1386-1394	3.9	10
21	Ontogeny of the pineal melatonin rhythm and implications for reproductive development in domestic ruminants. <i>Animal Reproduction Science</i> , 1992 , 30, 91-112	2.1	9
20	Regional dissection and determination of loosely bound and non-heme iron in the developing mouse brain. <i>Brain Research</i> , 2007 , 1158, 144-50	3.7	8
19	Three daily melatonin infusions alter gonadal development but not GnRH neuron number in the medial preoptic area or diagonal band of Broca in Siberian hamsters. <i>Neuroscience Letters</i> , 1996 , 210, 165-8	3.3	8
18	Neither non-contact exposure nor mating affect serum LH and FSH in male B6D2F1 house mice. <i>Physiology and Behavior</i> , 1979 , 22, 191-2	3.5	8
17	Suppression of hypothalamic pro-opiomelanocortin (POMC) gene expression by daily melatonin supplementation in aging rats. <i>Journal of Pineal Research</i> , 2003 , 34, 127-33	10.4	7
16	Cervix Stromal Cells and the Progesterone Receptor A Isoform Mediate Effects of Progesterone for Prepartum Remodeling. <i>Reproductive Sciences</i> , 2019 , 26, 690-696	3	6
15	Retrograde tracing of spinal cord connections to the cervix with pregnancy in mice. <i>Reproduction</i> , 2010 , 139, 645-53	3.8	6
14	Utility of Optical Density of Picrosirius Red Birefringence for Analysis of Cross-Linked Collagen in Remodeling of the Peripartum Cervix for Parturition 2018 , 1,		6
13	Vagus nerve stimulation in pregnant rats and effects on inflammatory markers in the brainstem of neonates. <i>Pediatric Research</i> , 2018 , 83, 514-519	3.2	5
12	Pregnancy-related changes in connections from the cervix to forebrain and hypothalamus in mice. <i>Reproduction</i> , 2010 , 140, 155-64	3.8	5
11	Maturation of lymphocyte immunophenotypes and memory T helper cell differentiation during development in mice. <i>Autoimmunity</i> , 2000 , 8, 47-60		5
10	Developmental study of GnRH neuronal projections to the medial basal hypothalamus of the male Djungarian hamster. <i>Journal of Comparative Neurology</i> , 1993 , 333, 236-45	3.4	5

9	Replens prevents preterm birth by decreasing type I interferon strengthening the cervical epithelial barrier. <i>American Journal of Reproductive Immunology</i> , 2020 , 83, e13192	3.8	4
8	Block of Granulocyte-Macrophage Colony-Stimulating Factor Prevents Inflammation-Induced Preterm Birth in a Mouse Model for Parturition. <i>Reproductive Sciences</i> , 2019 , 26, 551-559	3	4
7	Distinct preterm labor phenotypes have unique inflammatory signatures and contraction associated protein profiles <i>Biology of Reproduction</i> , 2019 , 101, 1031-1045	3.9	3
6	Sexual differentiation of the steroid feedback mechanism regulating follicle-stimulating hormone secretion in the Syrian hamster. <i>Biology of Reproduction</i> , 1989 , 41, 7-14	3.9	2
5	Absence of an increase in gonad-independent drive to pulsatile luteinizing hormone secretion during photoperiod-induced puberty. <i>Biology of Reproduction</i> , 1987 , 37, 634-9	3.9	2
4	Pulsatile Endocrine Secretion in the Ovine Fetus. <i>Methods in Neurosciences</i> , 1994 , 20, 230-246		2
3	Physiology of Pineal Melatonin in Three Hamster Species 1982 , 210-231		2
2	Photoperiod Modulates the Inhibitory Effect of In Vitro Melatonin on Lymphocyte Proliferation in Female Siberian Hamsters		1
1	Gonadotropin-releasing hormone neural projections to the systemic vasculature during sexual maturation and delayed puberty in the male Djungarian hamster. <i>Biology of Reproduction</i> , 1997 , 57, 873-8	3.9	0