

James C Walton

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,374
citations

279798

23
h-index

214800

47
g-index

48
all docs

48
docs citations

48
times ranked

4472
citing authors

#	ARTICLE	IF	CITATIONS
1	Light at night increases body mass by shifting the time of food intake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18664-18669.	7.1	618
2	Circadian rhythm disruption and mental health. <i>Translational Psychiatry</i> , 2020, 10, 28.	4.8	422
3	Sex-specific influences of vasopressin on human social communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7889-7894.	7.1	283
4	JNK3 Perpetuates Metabolic Stress Induced by $\text{A}\beta^2$ Peptides. <i>Neuron</i> , 2012, 75, 824-837.	8.1	197
5	Stress and IL-1 β contribute to the development of depressive-like behavior following peripheral nerve injury. <i>Molecular Psychiatry</i> , 2010, 15, 404-414.	7.9	178
6	Influence of light at night on murine anxiety- and depressive-like responses. <i>Behavioural Brain Research</i> , 2009, 205, 349-354.	2.2	176
7	Influence of photoperiod on hormones, behavior, and immune function. <i>Frontiers in Neuroendocrinology</i> , 2011, 32, 303-319.	5.2	155
8	Peptide Effects on Social Behavior: Effects of Vasotocin and Isotocin on Social Approach Behavior in Male Goldfish (<i>Carassius auratus</i>).. <i>Behavioral Neuroscience</i> , 2004, 118, 620-626.	1.2	154
9	Chronic exposure to dim light at night suppresses immune responses in Siberian hamsters. <i>Biology Letters</i> , 2011, 7, 468-471.	2.3	152
10	Dim light at night provokes depression-like behaviors and reduces CA1 dendritic spine density in female hamsters. <i>Psychoneuroendocrinology</i> , 2011, 36, 1062-1069.	2.7	135
11	The dynamics of GABA signaling: Revelations from the circadian pacemaker in the suprachiasmatic nucleus. <i>Frontiers in Neuroendocrinology</i> , 2017, 44, 35-82.	5.2	83
12	Photoperiod modulates gut bacteria composition in male Siberian hamsters (<i>Phodopus sungorus</i>). <i>Brain, Behavior, and Immunity</i> , 2010, 24, 577-584.	4.1	68
13	Light Pollution and Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9360.	4.1	63
14	Sleep deprivation attenuates inflammatory responses and ischemic cell death. <i>Experimental Neurology</i> , 2009, 218, 129-136.	4.1	52
15	Short day lengths alter stress and depressive-like responses, and hippocampal morphology in Siberian hamsters. <i>Hormones and Behavior</i> , 2011, 60, 520-528.	2.1	45
16	Photoperiod-mediated impairment of long-term potentiation and learning and memory in male white-footed mice. <i>Neuroscience</i> , 2011, 175, 127-132.	2.3	39
17	A primitive social circuit: vasotocin-substance P interactions modulate social behavior through a peripheral feedback mechanism in goldfish. <i>European Journal of Neuroscience</i> , 2008, 27, 2285-2293.	2.6	38
18	Branchial Musculature of a Venerid Clam: Pharmacology, Distribution, and Innervation. <i>Biological Bulletin</i> , 2003, 204, 81-95.	1.8	34

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19	Social housing and social isolation: Impact on stress indices and energy balance in male and female Syrian hamsters (<i>Mesocricetus auratus</i>). <i>Physiology and Behavior</i> , 2017, 177, 264-269.	2.1	33
20	Neuronal nitric oxide synthase and NADPH oxidase interact to affect cognitive, affective, and social behaviors in mice. <i>Behavioural Brain Research</i> , 2013, 256, 320-327.	2.2	31
21	Evidence for feedback control of pineal melatonin secretion. <i>Neuroscience Letters</i> , 2013, 542, 123-125.	2.1	28
22	Vasotocin Immunoreactivity in Goldfish Brains: Characterizing Primitive Circuits Associated with Social Regulation. <i>Brain, Behavior and Evolution</i> , 2009, 73, 153-164.	1.7	27
23	Behavioral effects of hindbrain vasotocin in goldfish are seasonally variable but not sexually dimorphic. <i>Neuropharmacology</i> , 2010, 58, 126-134.	4.1	26
24	Functional Significance of the Excitatory Effects of GABA in the Suprachiasmatic Nucleus. <i>Journal of Biological Rhythms</i> , 2018, 33, 376-387.	2.6	25
25	Sex Differences in Circadian Rhythms. <i>Cold Spring Harbor Perspectives in Biology</i> , 2022, 14, a039107.	5.5	19
26	Visual sex discrimination in goldfish: seasonal, sexual, and androgenic influences. <i>Hormones and Behavior</i> , 2004, 46, 646-654.	2.1	18
27	Clocks, Rhythms, Sex, and Hearts: How Disrupted Circadian Rhythms, Time-of-Day, and Sex Influence Cardiovascular Health. <i>Biomolecules</i> , 2021, 11, 883.	4.0	18
28	Temporal Regulation of GABAA Receptor Subunit Expression: Role in Synaptic and Extrasynaptic Communication in the Suprachiasmatic Nucleus. <i>ENeuro</i> , 2017, 4, ENEURO.0352-16.2017.	1.9	18
29	CRISPR-Cas9 editing of the arginine-vasopressin V1a receptor produces paradoxical changes in social behavior in Syrian hamsters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121037119.	7.1	18
30	Time of day as a critical variable in biology. <i>BMC Biology</i> , 2022, 20, .	3.8	18
31	Photoperiod and stress regulation of corticosteroid receptor, brain-derived neurotrophic factor, and glucose transporter GLUT3 mRNA in the hippocampus of male Siberian hamsters (<i>Phodopus</i>) <i>Tj ETQq1 1 0.784234 rgBT 10verloc</i>		
32	Dim Light at Night Exposure Induces Cold Hyperalgesia and Mechanical Allodynia in Male Mice. <i>Neuroscience</i> , 2020, 434, 111-119.	2.3	17
33	Sleep deprivation attenuates endotoxin-induced cytokine gene expression independent of day length and circulating cortisol in male Siberian hamsters (<i>Phodopus sungorus</i>). <i>Journal of Experimental Biology</i> , 2013, 216, 2581-6.	1.7	16
34	Circadian Variation in Efficacy of Medications. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 109, 1457-1488.	4.7	16
35	Photoperiod alters fear responses and basolateral amygdala neuronal spine density in white-footed mice (<i>Peromyscus leucopus</i>). <i>Behavioural Brain Research</i> , 2012, 233, 345-350.	2.2	15
36	Exogenous melatonin reproduces the effects of short day lengths on hippocampal function in male white-footed mice, <i>Peromyscus leucopus</i> . <i>Neuroscience</i> , 2013, 248, 403-413.	2.3	15

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37	Photoperiod Mediated Changes in Olfactory Bulb Neurogenesis and Olfactory Behavior in Male White-Footed Mice (<i>Peromyscus leucopus</i>). PLoS ONE, 2012, 7, e42743.	2.5	14
38	Estrous phase alters social behavior in a polygynous but not a monogamous <i>Peromyscus</i> species. Hormones and Behavior, 2010, 58, 193-199.	2.1	13
39	Social experience and sex-dependent regulation of aggression in the lateral septum by extrasynaptic γ -GABA receptors. Psychopharmacology, 2020, 237, 329-344.	3.1	13
40	Photoperiodic regulation of hippocampal neurogenesis in adult male white-footed mice (<i>Peromyscus leucopus</i>). European Journal of Neuroscience, 2014, 40, 2674-2679.	2.6	12
41	Sex-Dependent Behavioral Functions of the Purkinje Cell-Specific $G\alpha_{i/o}$ Binding Protein, Pcp2(L7). Cerebellum, 2012, 11, 982-1001.	2.5	10
42	Disrupted circadian rhythms and mental health. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 179, 259-270.	1.8	10
43	Disruptions of Circadian Rhythms and Thrombolytic Therapy During Ischemic Stroke Intervention. Frontiers in Neuroscience, 2021, 15, 675732.	2.8	8
44	The Excitatory Effects of GABA within the Suprachiasmatic Nucleus: Regulation of Na-K-2Cl Cotransporters (NKCCs) by Environmental Lighting Conditions. Journal of Biological Rhythms, 2020, 35, 275-286.	2.6	6
45	Time-restricted feeding alters the efficiency of mammary tumor growth. Chronobiology International, 2022, 39, 535-546.	2.0	6
46	Artificial Light at Night Reduces Anxiety-like Behavior in Female Mice with Exacerbated Mammary Tumor Growth. Cancers, 2021, 13, 4860.	3.7	5
47	Social regulatory functions of vasotocin and isotocin in fish. , 2013, , 75-96.		5
48	Circadian Influences on Chemotherapy Efficacy in a Mouse Model of Brain Metastases of Breast Cancer. Frontiers in Oncology, 2021, 11, 752331.	2.8	5