

Robert L Spencer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8674922/publications.pdf>

Version: 2024-02-01

77
papers

6,037
citations

87888

38
h-index

69250

77
g-index

78
all docs

78
docs citations

78
times ranked

5545
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of adrenocorticoids as modulators of immune function in health and disease: neural, endocrine and immune interactions. <i>Brain Research Reviews</i> , 1997, 23, 79-133.	9.0	714
2	Visible burrow system as a model of chronic social stress: Behavioral and neuroendocrine correlates. <i>Psychoneuroendocrinology</i> , 1995, 20, 117-134.	2.7	452
3	Stress response, adrenal steroid receptor levels and corticosteroid-binding globulin levels – a comparison between Sprague-Dawley, Fischer 344 and Lewis rats. <i>Brain Research</i> , 1993, 616, 89-98.	2.2	263
4	A users guide to HPA axis research. <i>Physiology and Behavior</i> , 2017, 178, 43-65.	2.1	260
5	Adrenal steroid type I and type II receptor binding: estimates of in vivo receptor number, occupancy, and activation with varying level of steroid. <i>Brain Research</i> , 1990, 514, 37-48.	2.2	232
6	Adaptation to Prolonged or Repeated Stress – Comparison between Rat Strains Showing Intrinsic Differences in Reactivity to Acute Stress. <i>Neuroendocrinology</i> , 1997, 65, 360-368.	2.5	224
7	Effects of aldosterone or RU28362 treatment on adrenalectomy-induced cell death in the dentate gyrus of the adult rat. <i>Brain Research</i> , 1991, 554, 312-315.	2.2	193
8	Dexamethasone suppression of corticosteroid secretion: evaluation of the site of action by receptor measures and functional studies. <i>Psychoneuroendocrinology</i> , 2000, 25, 151-167.	2.7	186
9	Regulation of Hippocampal Glucocorticoid Receptor Gene Transcription and Protein Expression <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 1998, 18, 7462-7473.	3.6	183
10	Effects of chronic corticosterone ingestion on spatial memory performance and hippocampal serotonergic function. <i>Brain Research</i> , 1993, 616, 65-70.	2.2	154
11	Adaptation of the Hypothalamic-Pituitary-Adrenal Axis to Chronic Ethanol Stress. <i>Neuroendocrinology</i> , 1990, 52, 481-489.	2.5	150
12	Corticosterone regulation of Type I and Type II adrenal steroid receptors in brain, pituitary, and immune tissue. <i>Brain Research</i> , 1991, 549, 236-246.	2.2	149
13	Environmental novelty is associated with a selective increase in Fos expression in the output elements of the hippocampal formation and the perirhinal cortex. <i>Learning and Memory</i> , 2008, 15, 899-908.	1.3	149
14	Evidence for Mineralocorticoid Receptor Facilitation of Glucocorticoid Receptor-Dependent Regulation of Hypothalamic-Pituitary-Adrenal Axis Activity*. <i>Endocrinology</i> , 1998, 139, 2718-2726.	2.8	142
15	Adrenal steroid receptor activation in rat brain and pituitary following dexamethasone: Implications for the dexamethasone suppression test. <i>Biological Psychiatry</i> , 1992, 32, 850-869.	1.3	129
16	Diurnal expression of functional and clock-related genes throughout the rat HPA axis: system-wide shifts in response to a restricted feeding schedule. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E888-E897.	3.5	110
17	Glucocorticoid Receptors Are Differentially Expressed in the Cells and Tissues of the Immune System. <i>Cellular Immunology</i> , 1998, 186, 45-54.	3.0	107
18	Short-term treadmill running in the rat: what kind of stressor is it?. <i>Journal of Applied Physiology</i> , 2007, 103, 1979-1985.	2.5	103

#	ARTICLE	IF	CITATIONS
19	Prior stressor exposure primes the HPA axis. <i>Psychoneuroendocrinology</i> , 2002, 27, 353-365.	2.7	102
20	Expression of c-fos and BDNF mRNA in subregions of the prefrontal cortex of male and female rats after acute uncontrollable stress. <i>Brain Research</i> , 2005, 1051, 90-99.	2.2	93
21	Discrimination between changes in glucocorticoid receptor expression and activation in rat brain using western blot analysis. <i>Brain Research</i> , 2000, 868, 275-286.	2.2	91
22	Variations in Phase and Amplitude of Rhythmic Clock Gene Expression across Prefrontal Cortex, Hippocampus, Amygdala, and Hypothalamic Paraventricular and Suprachiasmatic Nuclei of Male and Female Rats. <i>Journal of Biological Rhythms</i> , 2015, 30, 417-436.	2.6	86
23	Rapid Corticosteroid-Dependent Regulation of Mineralocorticoid Receptor Protein Expression in Rat Brain. <i>Endocrinology</i> , 2002, 143, 4184-4195.	2.8	83
24	Glucocorticoid hormones are both a major circadian signal and major stress signal: How this shared signal contributes to a dynamic relationship between the circadian and stress systems. <i>Frontiers in Neuroendocrinology</i> , 2018, 49, 52-71.	5.2	79
25	Defense of Adrenocorticosteroid Receptor Expression in Rat Hippocampus: Effects of Stress and Strain1. <i>Endocrinology</i> , 1999, 140, 3981-3991.	2.8	71
26	Neonatal Handling Enhances Contextual Fear Conditioning and Alters Corticosterone Stress Responses in Young Rats. <i>Hormones and Behavior</i> , 2002, 41, 33-40.	2.1	68
27	Long-term changes in mineralocorticoid and glucocorticoid receptor occupancy following exposure to an acute stressor. <i>Brain Research</i> , 1999, 847, 211-220.	2.2	64
28	Greater glucocorticoid receptor activation in hippocampus of aged rats sensitizes microglia. <i>Neurobiology of Aging</i> , 2015, 36, 1483-1495.	3.1	62
29	Depression, Adrenal Steroids, and the Immune System. <i>Annals of Medicine</i> , 1993, 25, 481-487.	3.8	56
30	Evidence that brief stress may induce the acute phase response in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997, 273, R1998-R2004.	1.8	56
31	Repeated Ferret Odor Exposure Induces Different Temporal Patterns of Same-Stressor Habituation and Novel-Stressor Sensitization in Both Hypothalamic-Pituitary-Adrenal Axis Activity and Forebrain c-fos Expression in the Rat. <i>Endocrinology</i> , 2009, 150, 749-761.	2.8	53
32	Immediate-early gene induction in hippocampus and cortex as a result of novel experience is not directly related to the stressfulness of that experience. <i>European Journal of Neuroscience</i> , 2005, 22, 1679-1690.	2.6	49
33	Evidence for Mineralocorticoid Receptor Facilitation of Glucocorticoid Receptor-Dependent Regulation of Hypothalamic-Pituitary-Adrenal Axis Activity. <i>Endocrinology</i> , 1998, 139, 2718-2726.	2.8	47
34	Water maze performance of aged Sprague-Dawley rats in relation to retinal morphologic measures. <i>Behavioural Brain Research</i> , 1995, 68, 139-150.	2.2	45
35	Effects of viral infection on corticosterone secretion and glucocorticoid receptor binding in immune tissues. <i>Psychoneuroendocrinology</i> , 1997, 22, 455-474.	2.7	45
36	Surgical and pharmacological suppression of glucocorticoids prevents the enhancement of morphine conditioned place preference by uncontrollable stress in rats. <i>Psychopharmacology</i> , 2005, 179, 409-417.	3.1	42

#	ARTICLE	IF	CITATIONS
37	Diurnal Corticosterone Presence and Phase Modulate Clock Gene Expression in the Male Rat Prefrontal Cortex. <i>Endocrinology</i> , 2016, 157, 1522-1534.	2.8	40
38	Changes at multiple levels of the hypothalamo-pituitary adrenal axis following repeated electrically induced seizures. <i>Psychoneuroendocrinology</i> , 1990, 15, 165-172.	2.7	38
39	Analysis of severe photoreceptor loss and Morris water-maze performance in aged rats. <i>Behavioural Brain Research</i> , 1995, 68, 151-158.	2.2	38
40	Evaluation of RU28318 and RU40555 as selective mineralocorticoid receptor and glucocorticoid receptor antagonists, respectively: receptor measures and functional studies. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1998, 67, 213-222.	2.5	38
41	Stress-Induced Sensitization of the Hypothalamic-Pituitary Adrenal Axis Is Associated with Alterations of Hypothalamic and Pituitary Gene Expression. <i>Neuroendocrinology</i> , 2004, 80, 252-263.	2.5	38
42	Influence of Pre-Training Predator Stress on the Expression of c-fos mRNA in the Hippocampus, Amygdala, and Striatum Following Long-Term Spatial Memory Retrieval. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 30.	2.0	38
43	Adolescent caffeine consumption increases adulthood anxiety-related behavior and modifies neuroendocrine signaling. <i>Psychoneuroendocrinology</i> , 2016, 67, 40-50.	2.7	37
44	Effects of photoperiod on brain corticosteroid receptors and the stress response in the golden hamster (<i>Mesocricetus auratus</i>). <i>Brain Research</i> , 1998, 780, 348-351.	2.2	36
45	Corticosteroid Receptors in Brain: Relationship of Receptors to Effects in Stress and Aging. <i>Annals of the New York Academy of Sciences</i> , 1987, 512, 394-401.	3.8	34
46	Diazepam attenuation of restraint stress-induced corticosterone levels is enhanced by prior exposure to repeated restraint. <i>Psychoneuroendocrinology</i> , 1997, 22, 349-360.	2.7	33
47	The role of glucocorticoids in the uncontrollable stress-induced potentiation of nucleus accumbens shell dopamine and conditioned place preference responses to morphine. <i>Psychoneuroendocrinology</i> , 2006, 31, 653-663.	2.7	33
48	Differential glucocorticoid effects on stress-induced gene expression in the paraventricular nucleus of the hypothalamus and ACTH secretion in the rat. <i>Stress</i> , 2009, 12, 400-411.	1.8	32
49	Centrally-administered opioid selective agonists inhibit drinking in the rat. <i>Pharmacology Biochemistry and Behavior</i> , 1986, 25, 77-82.	2.9	31
50	Impaired Adaptation of the Hypothalamic-Pituitary-Adrenal Axis to Chronic Ethanol Stress in Aged Rats. <i>Neuroendocrinology</i> , 1997, 65, 353-359.	2.5	28
51	Memory and the circadian system: Identifying candidate mechanisms by which local clocks in the brain may regulate synaptic plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 134-162.	6.1	28
52	Adrenal-dependent diurnal modulation of conditioned fear extinction learning. <i>Behavioural Brain Research</i> , 2015, 286, 249-255.	2.2	27
53	Glucocorticoid Fast Feedback Inhibition of Stress-Induced ACTH Secretion in the Male Rat: Rate Independence and Stress-State Resistance. <i>Endocrinology</i> , 2016, 157, 2785-2798.	2.8	27
54	Dynamic glucocorticoid-dependent regulation of Sgk1 expression in oligodendrocytes of adult male rat brain by acute stress and time of day. <i>PLoS ONE</i> , 2017, 12, e0175075.	2.5	25

#	ARTICLE	IF	CITATIONS
55	Development of the circadian system in early life: maternal and environmental factors. <i>Journal of Physiological Anthropology</i> , 2022, 41, 22.	2.6	25
56	Inescapable but not escapable stress leads to increased struggling behavior and basolateral amygdala c-fos gene expression in response to subsequent novel stress challenge. <i>Neuroscience</i> , 2010, 170, 138-148.	2.3	24
57	Defense of Adrenocorticosteroid Receptor Expression in Rat Hippocampus: Effects of Stress and Strain. <i>Endocrinology</i> , 1999, 140, 3981-3991.	2.8	24
58	Analysis of c-Fos induction in response to social interaction in male and female Fisher 344 rats. <i>Brain Research</i> , 2017, 1672, 113-121.	2.2	23
59	The expression of growth-associated protein GAP-43 mRNA in the rat hippocampus in response to adrenalectomy and aging. <i>Molecular and Cellular Neurosciences</i> , 1992, 3, 529-535.	2.2	21
60	A working model for the assessment of disruptions in social behavior among aged rats: The role of sex differences, social recognition, and sensorimotor processes. <i>Experimental Gerontology</i> , 2016, 76, 46-57.	2.8	20
61	Altered Entrainment to the Day/Night Cycle Attenuates the Daily Rise in Circulating Corticosterone in the Mouse. <i>PLoS ONE</i> , 2014, 9, e111944.	2.5	20
62	The relationship between cannabis use and cortisol levels in youth at ultra high-risk for psychosis. <i>Psychoneuroendocrinology</i> , 2017, 83, 58-64.	2.7	19
63	The Effects of Aging and Hormonal Manipulation on Amyloid Precursor Protein APP695 mRNA Expression in the Rat Hippocampus. <i>Journal of Neuroendocrinology</i> , 1994, 6, 517-521.	2.6	18
64	Adrenal-dependent and -independent stress-induced <i>Per1</i> mRNA in hypothalamic paraventricular nucleus and prefrontal cortex of male and female rats. <i>Stress</i> , 2018, 21, 69-83.	1.8	17
65	Coordination between Prefrontal Cortex Clock Gene Expression and Corticosterone Contributes to Enhanced Conditioned Fear Extinction Recall. <i>ENeuro</i> , 2018, 5, ENEURO.0455-18.2018.	1.9	16
66	Circadian misalignment has differential effects on affective behavior following exposure to controllable or uncontrollable stress. <i>Behavioural Brain Research</i> , 2019, 359, 440-445.	2.2	16
67	An unexpected increase in restraint duration alters the expression of stress response habituation. <i>Physiology and Behavior</i> , 2013, 122, 193-200.	2.1	15
68	Role of the dorsomedial hypothalamus in glucocorticoid-mediated feedback inhibition of the hypothalamic-pituitary-adrenal axis. <i>Stress</i> , 2015, 18, 76-87.	1.8	15
69	Acute Exposure to a Novel Stressor Further Reduces the Habituated Corticosterone Response to Restraint in Rats. <i>Stress</i> , 2001, 4, 319-331.	1.8	13
70	Sex differences in morning cortisol in youth at ultra-high-risk for psychosis. <i>Psychoneuroendocrinology</i> , 2016, 72, 87-93.	2.7	10
71	Acute Physiological and Psychological Stress Response in Youth at Clinical High-Risk for Psychosis. <i>Frontiers in Psychiatry</i> , 2021, 12, 641762.	2.6	9
72	TORC: A New Twist on Corticotropin-Releasing Hormone Gene Expression. <i>Endocrinology</i> , 2010, 151, 855-858.	2.8	7

#	ARTICLE	IF	CITATIONS
73	Reflections on Bruce S. McEwen's contributions to stress neurobiology and so much more. <i>Stress</i> , 2020, 23, 499-508.	1.8	7
74	Maintenance of Basal ACTH Levels by Corticosterone and RU28362, but not Aldosterone: Relationship to Available Type I and Type II Corticosteroid Receptor Levels in Brain and Pituitary. <i>Stress</i> , 1997, 2, 51-64.	1.8	5
75	Association between Altered Cortisol Profiles and Neurobehavioral Impairment after Mild Traumatic Brain Injury in College Students. <i>Journal of Neurotrauma</i> , 2022, 39, 809-820.	3.4	4
76	CRTC2 activation in the suprachiasmatic nucleus, but not paraventricular nucleus, varies in a diurnal fashion and increases with nighttime light exposure. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C611-C621.	4.6	2
77	Iterative Metaplasticity Across Timescales: How Circadian, Ultradian, and Infradian Rhythms Modulate Memory Mechanisms. <i>Journal of Biological Rhythms</i> , 2022, 37, 29-42.	2.6	2