

Brian C Trainor

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.

100
papers

4,212
citations

38
h-index

62
g-index

105
ext. papers

4,849
ext. citations

4.4
avg, IF

5.84
L-index

#	Paper	IF	Citations
100	Neural mechanisms of aggression. <i>Nature Reviews Neuroscience</i> , 2007 , 8, 536-46	13.5	658
99	Testosterone, paternal behavior, and aggression in the monogamous California mouse (<i>Peromyscus californicus</i>). <i>Hormones and Behavior</i> , 2001 , 40, 32-42	3.7	211
98	Testosterone promotes paternal behaviour in a monogamous mammal via conversion to oestrogen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 823-9	4.4	170
97	Opposing hormonal mechanisms of aggression revealed through short-lived testosterone manipulations and multiple winning experiences. <i>Hormones and Behavior</i> , 2004 , 45, 115-21	3.7	143
96	Estrogenic encounters: how interactions between aromatase and the environment modulate aggression. <i>Frontiers in Neuroendocrinology</i> , 2006 , 27, 170-9	8.9	106
95	Sex differences in social interaction behavior following social defeat stress in the monogamous California mouse (<i>Peromyscus californicus</i>). <i>PLoS ONE</i> , 2011 , 6, e17405	3.7	105
94	Paternal behavior influences development of aggression and vasopressin expression in male California mouse offspring. <i>Hormones and Behavior</i> , 2006 , 50, 699-707	3.7	98
93	Stress responses and the mesolimbic dopamine system: social contexts and sex differences. <i>Hormones and Behavior</i> , 2011 , 60, 457-69	3.7	92
92	Rapid effects of estradiol on male aggression depend on photoperiod in reproductively non-responsive mice. <i>Hormones and Behavior</i> , 2008 , 53, 192-9	3.7	88
91	Photoperiod reverses the effects of estrogens on male aggression via genomic and nongenomic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9840-5	11.5	85
90	Individual differences in estrogen receptor alpha in select brain nuclei are associated with individual differences in aggression. <i>Hormones and Behavior</i> , 2006 , 50, 338-45	3.7	83
89	Sex-Specific Effects of Stress on Oxytocin Neurons Correspond With Responses to Intranasal Oxytocin. <i>Biological Psychiatry</i> , 2016 , 80, 406-14	7.9	82
88	Oxytocin Receptors in the Anteromedial Bed Nucleus of the Stria Terminalis Promote Stress-Induced Social Avoidance in Female California Mice. <i>Biological Psychiatry</i> , 2018 , 83, 203-213	7.9	76
87	Variation in aromatase activity in the medial preoptic area and plasma progesterone is associated with the onset of paternal behavior. <i>Neuroendocrinology</i> , 2003 , 78, 36-44	5.6	75
86	Sex differences in stress-induced social withdrawal: role of brain derived neurotrophic factor in the bed nucleus of the stria terminalis. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 223	3.5	67
85	Deletion of the Kv2.1 delayed rectifier potassium channel leads to neuronal and behavioral hyperexcitability. <i>Genes, Brain and Behavior</i> , 2014 , 13, 394-408	3.6	65
84	Sex differences in stress-induced social withdrawal: independence from adult gonadal hormones and inhibition of female phenotype by corncob bedding. <i>Hormones and Behavior</i> , 2013 , 63, 543-50	3.7	60

83	Corncob bedding alters the effects of estrogens on aggressive behavior and reduces estrogen receptor- α expression in the brain. <i>Endocrinology</i> , 2012 , 153, 949-53	4.8	56
82	Effects of defeat stress on behavioral flexibility in males and females: modulation by the mu-opioid receptor. <i>European Journal of Neuroscience</i> , 2015 , 41, 434-41	3.5	52
81	Females of an African cichlid fish display male-typical social dominance behavior and elevated androgens in the absence of males. <i>Hormones and Behavior</i> , 2012 , 61, 496-503	3.7	52
80	Effects of photoperiod and experience on aggressive behavior in female California mice. <i>Behavioural Brain Research</i> , 2010 , 208, 528-34	3.4	50
79	Photoperiod affects estrogen receptor alpha, estrogen receptor beta and aggressive behavior. <i>European Journal of Neuroscience</i> , 2007 , 26, 207-18	3.5	50
78	Somatostatin regulates aggressive behavior in an African cichlid fish. <i>Endocrinology</i> , 2006 , 147, 5119-25	4.8	50
77	An evaluation of video playback using <i>Xiphophorus helleri</i> . <i>Animal Behaviour</i> , 2000 , 59, 83-89	2.8	50
76	Pleiotropic contributions of nitric oxide to aggressive behavior. <i>Neuroscience and Biobehavioral Reviews</i> , 2006 , 30, 346-55	9	49
75	Complementary Neural Circuits for Divergent Effects of Oxytocin: Social Approach Versus Social Anxiety. <i>Biological Psychiatry</i> , 2019 , 85, 792-801	7.9	49
74	Rapid effects of estrogens on behavior: environmental modulation and molecular mechanisms. <i>Frontiers in Neuroendocrinology</i> , 2014 , 35, 447-58	8.9	48
73	Hypothalamic vasopressin systems are more sensitive to the long term effects of social defeat in males versus females. <i>Psychoneuroendocrinology</i> , 2015 , 51, 122-34	5	47
72	Paternal Behavior and Aggression: Endocrine Mechanisms and Nongenomic Transmission of Behavior. <i>Advances in the Study of Behavior</i> , 2003 , 32, 263-323	3.4	47
71	Sex differences in hormonal responses to social conflict in the monogamous California mouse. <i>Hormones and Behavior</i> , 2010 , 58, 506-12	3.7	44
70	Conserved transcriptomic profiles underpin monogamy across vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1331-1336	11.5	43
69	Acute stress impairs cognitive flexibility in men, not women. <i>Stress</i> , 2016 , 19, 542-6	3	42
68	Rapid Effects of Estradiol on Aggression in Birds and Mice: The Fast and the Furious. <i>Integrative and Comparative Biology</i> , 2015 , 55, 281-93	2.8	41
67	The conformation of a female preference for a composite male trait in green swordtails. <i>Animal Behaviour</i> , 2002 , 63, 469-474	2.8	41
66	Greater lifetime stress exposure predicts blunted cortisol but heightened DHEA responses to acute stress. <i>Stress and Health</i> , 2019 , 35, 15-26	3.7	40

65	Social and photoperiod effects on reproduction in five species of <i>Peromyscus</i> . <i>General and Comparative Endocrinology</i> , 2006 , 148, 252-9	3	40
64	Response to Wingfield's commentary on a continuing saga: The role of testosterone in aggression. <i>Hormones and Behavior</i> , 2005 , 48, 256-258	3.7	38
63	Testosterone and photoperiod interact to affect spatial learning and memory in adult male white-footed mice (<i>Peromyscus leucopus</i>). <i>European Journal of Neuroscience</i> , 2006 , 23, 3056-62	3.5	38
62	Arginine vasotocin interacts with the social environment to regulate advertisement calling in the gray treefrog (<i>Hyla versicolor</i>). <i>Brain, Behavior and Evolution</i> , 2003 , 61, 165-71	1.5	38
61	Sexual Dimorphism in the Brain of the Monogamous California Mouse (<i>Peromyscus californicus</i>). <i>Brain, Behavior and Evolution</i> , 2013 , 81, 236-49	1.5	37
60	Effects of kappa opioid receptors on conditioned place aversion and social interaction in males and females. <i>Behavioural Brain Research</i> , 2014 , 262, 84-93	3.4	37
59	Activation of extracellular signal-regulated kinases in social behavior circuits during resident-intruder aggression tests. <i>Neuroscience</i> , 2010 , 165, 325-36	3.9	37
58	Impaired nitric oxide synthase signaling dissociates social investigation and aggression. <i>Behavioral Neuroscience</i> , 2007 , 121, 362-9	2.1	37
57	Effects of reproductive experience on central expression of progesterone, oestrogen, oxytocin and vasopressin receptor mRNA in male California mice (<i>Peromyscus californicus</i>). <i>Journal of Neuroendocrinology</i> , 2015 , 27, 245-52	3.8	35
56	Sex differences in effects of dopamine D1 receptors on social withdrawal. <i>Neuropharmacology</i> , 2014 , 77, 208-16	5.5	35
55	Extrahypothalamic oxytocin neurons drive stress-induced social vigilance and avoidance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26406-26413 ^{11.5}		35
54	Inhibition of neuronal nitric oxide reduces anxiety-like responses to pair housing. <i>Behavioural Brain Research</i> , 2008 , 187, 109-15	3.4	34
53	Effects of social defeat on dopamine neurons in the ventral tegmental area in male and female California mice. <i>European Journal of Neuroscience</i> , 2015 , 42, 3081-94	3.5	32
52	Sex differences in the effects of social defeat on brain and behavior in the California mouse: Insights from a monogamous rodent. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 61, 92-98	7.5	30
51	Paternal aggression in a biparental mouse: parallels with maternal aggression. <i>Hormones and Behavior</i> , 2008 , 53, 200-7	3.7	30
50	Somatostatin and somatostatin receptor gene expression in dominant and subordinate males of an African cichlid fish. <i>Behavioural Brain Research</i> , 2007 , 179, 314-20	3.4	29
49	Inhibition of vasopressin V1a receptors in the medioventral bed nucleus of the stria terminalis has sex- and context-specific anxiogenic effects. <i>Neuropharmacology</i> , 2016 , 110, 59-68	5.5	27
48	Acute inhibition of kappa opioid receptors before stress blocks depression-like behaviors in California mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018 , 86, 166-174	5.5	26

47	Sex Differences in the Effects of a Kappa Opioid Receptor Antagonist in the Forced Swim Test. <i>Frontiers in Pharmacology</i> , 2018 , 9, 93	5.6	25
46	The impact of sex as a biological variable in the search for novel antidepressants. <i>Frontiers in Neuroendocrinology</i> , 2018 , 50, 107-117	8.9	24
45	Fighting in the home cage: Agonistic encounters and effects on neurobiological markers within the social decision-making network of house mice (<i>Mus musculus</i>). <i>Neuroscience Letters</i> , 2014 , 566, 151-5	3.3	23
44	Porcine hypothalamic aromatase cytochrome P450: isoform characterization, sex-dependent activity, regional expression, and regulation by enzyme inhibition in neonatal boars. <i>Biology of Reproduction</i> , 2009 , 81, 388-95	3.9	23
43	Social approach and social vigilance are differentially regulated by oxytocin receptors in the nucleus accumbens. <i>Neuropsychopharmacology</i> , 2020 , 45, 1423-1430	8.7	22
42	Environmental Health Factors and Sexually Dimorphic Differences in Behavioral Disruptions. <i>Current Environmental Health Reports</i> , 2014 , 1, 287-301	6.5	22
41	Exposure to acute stress enhances decision-making competence: Evidence for the role of DHEA. <i>Psychoneuroendocrinology</i> , 2016 , 67, 51-60	5	21
40	What can animal research tell us about the link between androgens and social competition in humans?. <i>Hormones and Behavior</i> , 2017 , 92, 182-189	3.7	20
39	Nongenomic effects of estradiol on aggression under short day photoperiods. <i>Hormones and Behavior</i> , 2013 , 64, 557-65	3.7	20
38	Stress, sex, and motivated behaviors. <i>Journal of Neuroscience Research</i> , 2017 , 95, 83-92	4.4	18
37	Exposure to extrinsic stressors, social defeat or bisphenol A, eliminates sex differences in DNA methyltransferase expression in the amygdala. <i>Journal of Neuroendocrinology</i> , 2017 , 29,	3.8	17
36	The effects of exogenous melatonin and melatonin receptor blockade on aggression and estrogen-dependent gene expression in male California mice (<i>Peromyscus californicus</i>). <i>Physiology and Behavior</i> , 2014 , 128, 86-91	3.5	17
35	The long-term effects of stress and kappa opioid receptor activation on conditioned place aversion in male and female California mice. <i>Behavioural Brain Research</i> , 2017 , 332, 299-307	3.4	17
34	Mild acute stress improves response speed without impairing accuracy or interference control in two selective attention tasks: Implications for theories of stress and cognition. <i>Psychoneuroendocrinology</i> , 2019 , 108, 78-86	5	16
33	Is it all in the family? The effects of early social structure on neural-behavioral systems of prairie voles (<i>Microtus ochrogaster</i>). <i>Neuroscience</i> , 2012 , 216, 46-56	3.9	16
32	Photoperiod interacts with food restriction in performance in the Barnes maze in female California mice. <i>European Journal of Neuroscience</i> , 2011 , 33, 361-70	3.5	14
31	Paternal Behavior and Offspring Aggression. <i>Current Directions in Psychological Science</i> , 2005 , 14, 163-166	6.5	13
30	Photoperiod alters macrophage responsiveness, but not expression of Toll-like receptors in Siberian hamsters. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007 , 148, 354-9	2.6	12

29	Location, location, location: stripe position effects on female sword preference. <i>Animal Behaviour</i> , 2006 , 71, 135-140	2.8	12
28	HPA activity and neotic and anxiety-like behavior vary among <i>Peromyscus</i> species. <i>General and Comparative Endocrinology</i> , 2007 , 151, 342-50	3	11
27	Effects of social defeat on paternal behavior and pair bonding behavior in male California mice (<i>Peromyscus californicus</i>). <i>Hormones and Behavior</i> , 2018 , 98, 88-95	3.7	10
26	Anxious to see you: Neuroendocrine mechanisms of social vigilance and anxiety during adolescence. <i>European Journal of Neuroscience</i> , 2020 , 52, 2516-2529	3.5	10
25	Effects of photoperiod and food restriction on the reproductive physiology of female California mice. <i>General and Comparative Endocrinology</i> , 2012 , 176, 391-9	3	9
24	Determining the biological associates of acute cold pressor post-encoding stress effects on human memory: The role of salivary interleukin-1. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 178-187	16.6	8
23	Impaired approach to novelty and striatal alterations in the oxytocin receptor deficient mouse model of autism. <i>Hormones and Behavior</i> , 2019 , 114, 104543	3.7	8
22	The challenge hypothesis revisited: Focus on reproductive experience and neural mechanisms. <i>Hormones and Behavior</i> , 2020 , 123, 104645	3.7	8
21	Convergent neuroendocrine mechanisms of social buffering and stress contagion. <i>Hormones and Behavior</i> , 2021 , 129, 104933	3.7	8
20	Activation of kappa opioid receptors in the dorsal raphe have sex dependent effects on social behavior in California mice. <i>Behavioural Brain Research</i> , 2018 , 351, 83-92	3.4	7
19	Behavioral Neuroendocrinology of Female Aggression		7
18	Sex Differences in the Social Behavior Network and Mesolimbic Dopamine System 2016 , 77-106		6
17	Disruption of global hypothalamic microRNA (miR) profiles and associated behavioral changes in California mice (<i>Peromyscus californicus</i>) developmentally exposed to endocrine disrupting chemicals. <i>Hormones and Behavior</i> , 2021 , 128, 104890	3.7	6
16	Histone deacetylase inhibitor treatment promotes spontaneous caregiving behaviour in non-aggressive virgin male mice. <i>Journal of Neuroendocrinology</i> , 2019 , 31, e12734	3.8	5
15	The Effects of Paternal Behavior on Offspring Aggression and Hormones in the Biparental California Mouse 2008 , 435-448		4
14	Sex-specific effects of social defeat stress on miRNA expression in the anterior BNST. <i>Behavioural Brain Research</i> , 2021 , 401, 113084	3.4	4
13	Neuroendocrinology of Aggression 2012 , 509-520		3
12	Isolating the effects of social interactions on cancer biology. <i>Cancer Prevention Research</i> , 2009 , 2, 843-6	3.2	3

11	Extra-hypothalamic oxytocin neurons drive stress-induced social vigilance and avoidance		3
10	106. The Role of Oxytocin Neurons in the Bed Nucleus of the Stria Terminalis in Mediating Social Withdrawal. <i>Biological Psychiatry</i> , 2017 , 81, S44-S45	7.9	2
9	Hormones and the Development and Expression of Aggressive Behavior 2017 , 145-173		2
8	Mean Girls: Social Stress Models for Female Rodents. <i>Current Topics in Behavioral Neurosciences</i> , 2021 , 1	3.4	2
7	Pubertal Androgens Reduce the Effects of Social Stress on Anxiety-related Behaviors in California Mice		1
6	Aggression and Territoriality 2019 , 539-546		1
5	Enriched laboratory housing increases sensitivity to social stress in female California mice (). <i>Applied Animal Behaviour Science</i> , 2021 , 241, 105381-105381	2.2	1
4	Oxytocin receptor behavioral effects and cell types in the bed nucleus of the stria terminalis. <i>Hormones and Behavior</i> , 2022 , 143, 105203	3.7	1
3	Oxytocin release in stressful times.. <i>Psychoneuroendocrinology</i> , 2022 , 140, 105709	5	0
2	A Tale of Two Valleys: Disparity in Sin Nombre Virus Antibody Reactivity Between Neighboring Mojave Desert Communities. <i>Vector-Borne and Zoonotic Diseases</i> , 2019 , 19, 290-294	2.4	
1	Behavioral and neuroendocrine plasticity in the form of winner and loser effects 2018 , 81-98		