

Brian C Trainor

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

5,430
citations

70961

41
h-index

91712

69
g-index

105
all docs

105
docs citations

105
times ranked

4769
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural mechanisms of aggression. <i>Nature Reviews Neuroscience</i> , 2007, 8, 536-546.	4.9	808
2	Testosterone, Paternal Behavior, and Aggression in the Monogamous California Mouse (<i>Peromyscus</i>) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.0	238
3	Testosterone promotes paternal behaviour in a monogamous mammal via conversion to oestrogen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 823-829.	1.2	203
4	Opposing hormonal mechanisms of aggression revealed through short-lived testosterone manipulations and multiple winning experiences. <i>Hormones and Behavior</i> , 2004, 45, 115-121.	1.0	159
5	Estrogenic encounters: How interactions between aromatase and the environment modulate aggression. <i>Frontiers in Neuroendocrinology</i> , 2006, 27, 170-179.	2.5	130
6	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.	1.1	130
7	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.	0.7	118
8	Paternal behavior influences development of aggression and vasopressin expression in male California mouse offspring. <i>Hormones and Behavior</i> , 2006, 50, 699-707.	1.0	112
9	Stress responses and the mesolimbic dopamine system: Social contexts and sex differences. <i>Hormones and Behavior</i> , 2011, 60, 457-469.	1.0	111
10	Sex-Specific Effects of Stress on Oxytocin Neurons Correspond With Responses to Intranasal Oxytocin. <i>Biological Psychiatry</i> , 2016, 80, 406-414.	0.7	111
11	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.	1.1	104
12	Rapid effects of estradiol on male aggression depend on photoperiod in reproductively non-responsive mice. <i>Hormones and Behavior</i> , 2008, 53, 192-199.	1.0	103
13	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, 9840-9845.	3.3	98
14	Individual differences in estrogen receptor $\hat{\pm}$ in select brain nuclei are associated with individual differences in aggression. <i>Hormones and Behavior</i> , 2006, 50, 338-345.	1.0	92
15	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.	1.2	89
16	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.	3.3	78
17	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.	1.0	76
18	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.	3.3	75

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19	Complementary Neural Circuits for Divergent Effects of Oxytocin: Social Approach Versus Social Anxiety. <i>Biological Psychiatry</i> , 2019, 85, 792-801.	0.7	75
20	Sex differences in stress-induced social withdrawal: Independence from adult gonadal hormones and inhibition of female phenotype by corn cob bedding. <i>Hormones and Behavior</i> , 2013, 63, 543-550.	1.0	73
21	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, 434-441.	1.2	69
22	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.	1.0	68
23	Corn cob Bedding Alters the Effects of Estrogens on Aggressive Behavior and Reduces Estrogen Receptor-1 Expression in the Brain. <i>Endocrinology</i> , 2012, 153, 949-953.	1.4	68
24	Acute stress impairs cognitive flexibility in men, not women. <i>Stress</i> , 2016, 19, 542-546.	0.8	67
25	Greater lifetime stress exposure predicts blunted cortisol but heightened DHEA responses to acute stress. <i>Stress and Health</i> , 2019, 35, 15-26.	1.4	66
26	Effects of photoperiod and experience on aggressive behavior in female California mice. <i>Behavioural Brain Research</i> , 2010, 208, 528-534.	1.2	63
27	Photoperiod affects estrogen receptor-1, estrogen receptor-2 and aggressive behavior. <i>European Journal of Neuroscience</i> , 2007, 26, 207-218.	1.2	62
28	Somatostatin Regulates Aggressive Behavior in an African Cichlid Fish. <i>Endocrinology</i> , 2006, 147, 5119-5125.	1.4	59
29	Rapid Effects of Estradiol on Aggression in Birds and Mice: The Fast and the Furious: Fig. 1. <i>Integrative and Comparative Biology</i> , 2015, 55, 281-293.	0.9	59
30	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, 165-171.	0.9	58
31	Paternal Behavior and Aggression: Endocrine Mechanisms and Nongenomic Transmission of Behavior. <i>Advances in the Study of Behavior</i> , 2003, 32, 263-323.	1.0	58
32	Rapid effects of estrogens on behavior: Environmental modulation and molecular mechanisms. <i>Frontiers in Neuroendocrinology</i> , 2014, 35, 447-458.	2.5	58
33	Hypothalamic vasopressin systems are more sensitive to the long term effects of social defeat in males versus females. <i>Psychoneuroendocrinology</i> , 2015, 51, 122-134.	1.3	57
34	Social approach and social vigilance are differentially regulated by oxytocin receptors in the nucleus accumbens. <i>Neuropsychopharmacology</i> , 2020, 45, 1423-1430.	2.8	56
35	Pleiotropic contributions of nitric oxide to aggressive behavior. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 346-355.	2.9	55
36	Sex differences in hormonal responses to social conflict in the monogamous California mouse. <i>Hormones and Behavior</i> , 2010, 58, 506-512.	1.0	55

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37	An evaluation of video playback using <i>Xiphophorus helleri</i> . <i>Animal Behaviour</i> , 2000, 59, 83-89.	0.8	53
38	Sexual Dimorphism in the Brain of the Monogamous California Mouse (<i>Peromyscus californicus</i>). <i>Brain, Behavior and Evolution</i> , 2013, 81, 236-249.	0.9	48
39	Impaired nitric oxide synthase signaling dissociates social investigation and aggression.. <i>Behavioral Neuroscience</i> , 2007, 121, 362-369.	0.6	47
40	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.	1.2	45
41	The conformation of a female preference for a composite male trait in green swordtails. <i>Animal Behaviour</i> , 2002, 63, 469-474.	0.8	44
42	Sex differences in effects of dopamine D1 receptors on social withdrawal. <i>Neuropharmacology</i> , 2014, 77, 208-216.	2.0	44
43	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, 3081-3094.	1.2	42
44	Effects of Reproductive Experience on Central Expression of Progesterone, Oestrogen $\hat{\pm}$, Oxytocin and Vasopressin Receptor mRNA in Male California Mice (<i>Peromyscus californicus</i>). <i>Journal of Neuroendocrinology</i> , 2015, 27, 245-252.	1.2	42
45	Response to Wingfield's commentary on "A continuing saga: The role of testosterone in aggression". <i>Hormones and Behavior</i> , 2005, 48, 256-258.	1.0	41
46	Social and photoperiod effects on reproduction in five species of <i>Peromyscus</i> . <i>General and Comparative Endocrinology</i> , 2006, 148, 252-259.	0.8	41
47	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.	2.3	40
48	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, 3056-3062.	1.2	39
49	Activation of extracellular signal-regulated kinases in social behavior circuits during resident-intruder aggression tests. <i>Neuroscience</i> , 2010, 165, 325-336.	1.1	39
50	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.	2.0	39
51	Inhibition of neuronal nitric oxide reduces anxiety-like responses to pair housing. <i>Behavioural Brain Research</i> , 2008, 187, 109-115.	1.2	38
52	Somatostatin and somatostatin receptor gene expression in dominant and subordinate males of an African cichlid fish. <i>Behavioural Brain Research</i> , 2007, 179, 314-320.	1.2	37
53	The impact of sex as a biological variable in the search for novel antidepressants. <i>Frontiers in Neuroendocrinology</i> , 2018, 50, 107-117.	2.5	34
54	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.	2.5	34

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55	Paternal aggression in a biparental mouse: Parallels with maternal aggression. <i>Hormones and Behavior</i> , 2008, 53, 200-207.	1.0	33
56	Exposure to acute stress enhances decision-making competence: Evidence for the role of DHEA. <i>Psychoneuroendocrinology</i> , 2016, 67, 51-60.	1.3	32
57	Sex Differences in the Effects of a Kappa Opioid Receptor Antagonist in the Forced Swim Test. <i>Frontiers in Pharmacology</i> , 2018, 9, 93.	1.6	32
58	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.	1.3	32
59	What's™ wrong with my experiment?: The impact of hidden variables on neuropsychopharmacology research. <i>Neuropsychopharmacology</i> , 2022, 47, 1285-1291.	2.8	29
60	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, 151-155.	1.0	27
61	Stress, sex, and motivated behaviors. <i>Journal of Neuroscience Research</i> , 2017, 95, 83-92.	1.3	27
62	Environmental Health Factors and Sexually Dimorphic Differences in Behavioral Disruptions. <i>Current Environmental Health Reports</i> , 2014, 1, 287-301.	3.2	26
63	Porcine Hypothalamic Aromatase Cytochrome P450: Isoform Characterization, Sex-Dependent Activity, Regional Expression, and Regulation by Enzyme Inhibition in Neonatal Boars1. <i>Biology of Reproduction</i> , 2009, 81, 388-395.	1.2	24
64	Nongenomic effects of estradiol on aggression under short day photoperiods. <i>Hormones and Behavior</i> , 2013, 64, 557-565.	1.0	24
65	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.	1.0	24
66	Anxious to see you: Neuroendocrine mechanisms of social vigilance and anxiety during adolescence. <i>European Journal of Neuroscience</i> , 2020, 52, 2516-2529.	1.2	24
67	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, .	1.2	22
68	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.	1.1	21
69	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.	1.0	20
70	The challenge hypothesis revisited: Focus on reproductive experience and neural mechanisms. <i>Hormones and Behavior</i> , 2020, 123, 104645.	1.0	20
71	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.	1.2	18
72	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.	1.0	17

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73	Photoperiod interacts with food restriction in performance in the Barnes maze in female California mice. <i>European Journal of Neuroscience</i> , 2011, 33, 361-370.	1.2	16
74	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.	1.0	16
75	Determining the biological associates of acute cold pressor post-encoding stress effects on human memory: The role of salivary interleukin-1 β . <i>Brain, Behavior, and Immunity</i> , 2019, 81, 178-187.	2.0	16
76	Paternal Behavior and Offspring Aggression. <i>Current Directions in Psychological Science</i> , 2005, 14, 163-166.	2.8	15
77	Location, location, location: stripe position effects on female sword preference. <i>Animal Behaviour</i> , 2006, 71, 135-140.	0.8	15
78	Convergent neuroendocrine mechanisms of social buffering and stress contagion. <i>Hormones and Behavior</i> , 2021, 129, 104933.	1.0	15
79	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, 354-359.	0.8	14
80	Sex-specific effects of social defeat stress on miRNA expression in the anterior BNST. <i>Behavioural Brain Research</i> , 2021, 401, 113084.	1.2	13
81	HPA activity and neotic and anxiety-like behavior vary among <i>Peromyscus</i> species. <i>General and Comparative Endocrinology</i> , 2007, 151, 342-350.	0.8	12
82	Impaired approach to novelty and striatal alterations in the oxytocin receptor deficient mouse model of autism. <i>Hormones and Behavior</i> , 2019, 114, 104543.	1.0	12
83	Effects of photoperiod and food restriction on the reproductive physiology of female California mice. <i>General and Comparative Endocrinology</i> , 2012, 176, 391-399.	0.8	11
84	Oxytocin receptor behavioral effects and cell types in the bed nucleus of the stria terminalis. <i>Hormones and Behavior</i> , 2022, 143, 105203.	1.0	11
85	Mean Girls: Social Stress Models for Female Rodents. <i>Current Topics in Behavioral Neurosciences</i> , 2021, , 95-124.	0.8	10
86	Sex Differences in the Social Behavior Network and Mesolimbic Dopamine System. , 2016, , 77-106.		9
87	Histone deacetylase inhibitor treatment promotes spontaneous caregiving behaviour in non-aggressive virgin male mice. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12734.	1.2	9
88	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.	1.2	8
89	Aggression and Territoriality. , 2019, , 539-546.		7
90	The Effects of Paternal Behavior on Offspring Aggression and Hormones in the Biparental California Mouse. , 2008, , 435-448.		6

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91	Isolating the Effects of Social Interactions on Cancer Biology. <i>Cancer Prevention Research</i> , 2009, 2, 843-846.	0.7	6
92	Neuroendocrinology of Aggression. , 2012, , 509-520.		6
93	Enriched laboratory housing increases sensitivity to social stress in female California mice (<i>Peromyscus californicus</i>). <i>Applied Animal Behaviour Science</i> , 2021, 241, 105381.	0.8	5
94	Comparative Transcriptional Analyses in the Nucleus Accumbens Identifies RGS2 as a Key Mediator of Depression-Related Behavior. <i>Biological Psychiatry</i> , 2022, 92, 942-951.	0.7	5
95	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.	0.7	3
96	Oxytocin release in stressful times. <i>Psychoneuroendocrinology</i> , 2022, 140, 105709.	1.3	3
97	Hormones and the Development and Expression of Aggressive Behavior. , 2017, , 145-173.		2
98	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.	0.6	0
99	Quantifying Sex Differences in Behavior in the Era of Big Data. <i>Cold Spring Harbor Perspectives in Biology</i> , 2021, , a039164.	2.3	0
100	Behavioral and neuroendocrine plasticity in the form of winner and loser effects. , 2018, , 81-98.		0