

Michael B Hennessy

List of Publications by Year in descending order

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111
papers

4,819
citations

81839

39
h-index

106281

65
g-index

114
all docs

114
docs citations

114
times ranked

2687
citing authors

#	ARTICLE	IF	CITATIONS
1	Social buffering of the stress response: Diversity, mechanisms, and functions. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 470-482.	2.5	351
2	Influence of male and female petters on plasma cortisol and behaviour: can human interaction reduce the stress of dogs in a public animal shelter?. <i>Applied Animal Behaviour Science</i> , 1998, 61, 63-77.	0.8	234
3	Behavioral and glucocorticoid responses of adult domestic dogs (<i>Canis familiaris</i>) to companionship and social separation.. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 1996, 110, 103-108.	0.3	176
4	Hypothalamic-Pituitary-Adrenal Responses to Brief Social Separation. <i>Neuroscience and Biobehavioral Reviews</i> , 1997, 21, 11-29.	2.9	176
5	Behavior and cortisol levels of dogs in a public animal shelter, and an exploration of the ability of these measures to predict problem behavior after adoption. <i>Applied Animal Behaviour Science</i> , 2001, 73, 217-233.	0.8	142
6	Adaptive modulation of behavioural profiles by social stress during early phases of life and adolescence. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1518-1533.	2.9	134
7	Behavioural profiles are shaped by social experience: when, how and why. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120344.	1.8	126
8	Responses of infant Titi monkeys, <i>Callicebus moloch</i> , to removal of one or both parents: Evidence for paternal attachment. <i>Developmental Psychobiology</i> , 1995, 28, 399-407.	0.9	119
9	Human interaction moderates plasma cortisol and behavioral responses of dogs to shelter housing. <i>Physiology and Behavior</i> , 2013, 109, 75-79.	1.0	101
10	Dogs in Animal Shelters: Problems, Suggestions, and Needed Expertise. <i>Psychological Science</i> , 1999, 10, 379-386.	1.8	100
11	Sociality and sickness: Have cytokines evolved to serve social functions beyond times of pathogen exposure?. <i>Brain, Behavior, and Immunity</i> , 2014, 37, 15-20.	2.0	96
12	Cortisol responses and social buffering: A study throughout the life span. <i>Hormones and Behavior</i> , 2006, 49, 383-390.	1.0	91
13	Comparative studies of social buffering: A consideration of approaches, terminology, and pitfalls. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 86, 131-141.	2.9	91
14	Hormonal and behavioral attachment responses in infant guinea pigs. <i>Developmental Psychobiology</i> , 1987, 20, 613-625.	0.9	85
15	Endocrine sensitivity to novelty in squirrel monkeys and titi monkeys: Species differences in characteristic modes of responding to the environment. <i>Physiology and Behavior</i> , 1995, 57, 331-338.	1.0	83
16	Factors influencing cortisol and behavioral responses to maternal separation in guinea pigs.. <i>Behavioral Neuroscience</i> , 1989, 103, 378-385.	0.6	71
17	Using hypothalamicâ€“pituitaryâ€“adrenal measures for assessing and reducing the stress of dogs in shelters: A review. <i>Applied Animal Behaviour Science</i> , 2013, 149, 1-12.	0.8	70
18	Multiple, brief maternal separations in the squirrel monkey: Changes in hormonal and behavioral responsiveness. <i>Physiology and Behavior</i> , 1986, 36, 245-250.	1.0	69

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19	Stress During Pregnancy Alters Rat Offspring Morphology and Ultrasonic Vocalizations. <i>Physiology and Behavior</i> , 1998, 63, 337-343.	1.0	68
20	Effects of a program of human interaction and alterations in diet composition on activity of the hypothalamic-pituitary-adrenal axis in dogs housed in a public animal shelter. <i>Journal of the American Veterinary Medical Association</i> , 2002, 221, 65-91.	0.2	68
21	Changes in the Hormonal Concentrations of Pregnant Rats and Their Fetuses Following Multiple Exposures to a Stressor During the Third Trimester. <i>Neurotoxicology and Teratology</i> , 1999, 21, 403-414.	1.2	62
22	Responses of guinea pig pups during isolation in a novel environment may represent stress-induced sickness behaviors. <i>Physiology and Behavior</i> , 2004, 81, 5-13.	1.0	62
23	Domestication affects the structure, development and stability of biobehavioural profiles. <i>Frontiers in Zoology</i> , 2015, 12, S19.	0.9	62
24	Stress-induced sickness behaviors: An alternative hypothesis for responses during maternal separation. <i>Developmental Psychobiology</i> , 2001, 39, 76-83.	0.9	61
25	Social influences on cortisol and behavioral responses of preweaning, periadolescent, and adult guinea pigs. <i>Physiology and Behavior</i> , 2002, 76, 305-314.	1.0	59
26	Nonedible material elicits chewing and reduces the plasma corticosterone response during novelty exposure in mice.. <i>Behavioral Neuroscience</i> , 1987, 101, 237-245.	0.6	53
27	Separation distress and attachment in surrogate-reared squirrel monkeys. <i>Physiology and Behavior</i> , 1979, 23, 1017-1023.	1.0	52
28	Evaluation of the effects of a socialization program in a prison on behavior and pituitaryâ€“adrenal hormone levels of shelter dogs. <i>Applied Animal Behaviour Science</i> , 2006, 99, 157-171.	0.8	52
29	Early attachment-figure separation and increased risk for later depression: Potential mediation by proinflammatory processes. <i>Neuroscience and Biobehavioral Reviews</i> , 2010, 34, 782-790.	2.9	52
30	Consequences of the presence of the mother or unfamiliar adult female on cortisol, ACTH, testosterone and behavioral responses of periadolescent guinea pigs during exposure to novelty. <i>Psychoneuroendocrinology</i> , 2000, 25, 619-632.	1.3	51
31	Social buffering of the cortisol response of adult female guinea pigs. <i>Physiology and Behavior</i> , 2008, 93, 883-888.	1.0	51
32	Behavior and plasma cortisol following brief peer separation in juvenile squirrel monkeys. <i>American Journal of Primatology</i> , 1982, 3, 143-151.	0.8	50
33	Cortisol and behavioral responses to separation in mother and infant guinea pigs. <i>Behavioral and Neural Biology</i> , 1987, 48, 1-12.	2.3	48
34	Comparison of the effects of the mother and an unfamiliar adult female on cortisol and behavioral responses of pre- and postweaning guinea pigs. , 2000, 36, 91-100.		48
35	The influence of maternal separation on plasma concentrations of ACTH, epinephrine, and norepinephrine in guinea pig pups. <i>Physiology and Behavior</i> , 1989, 45, 1147-1152.	1.0	47
36	CRF administered to pregnant rats alters offspring behavior and morphology. <i>Pharmacology Biochemistry and Behavior</i> , 1995, 52, 161-167.	1.3	47

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37	Enduring maternal influences in a precocial rodent. <i>Developmental Psychobiology</i> , 2003, 42, 225-236.	0.9	45
38	Effects of peripherally administered corticotropin-releasing factor (CRF) and a CRF antagonist: Does peripheral CRF activity mediate behavior of guinea pig pups during isolation?. <i>Behavioral Neuroscience</i> , 1995, 109, 1137-1145.	0.6	42
39	Factors determining the effects of human interaction on the cortisol levels of shelter dogs. <i>Applied Animal Behaviour Science</i> , 2017, 186, 41-48.	0.8	41
40	Social housing conditions around puberty determine later changes in plasma cortisol levels and behavior. <i>Physiology and Behavior</i> , 2007, 90, 405-411.	1.0	40
41	Depressive-like behavioral response of adult male rhesus monkeys during routine animal husbandry procedure. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 309.	1.0	40
42	Anti-inflammatory agents attenuate the passive responses of guinea pig pups: Evidence for stress-induced sickness behavior during maternal separation. <i>Psychoneuroendocrinology</i> , 2007, 32, 508-515.	1.3	39
43	Plasma cortisol and vocalization responses of postweaning age guinea pigs to maternal and sibling separation: Evidence for filial attachment after weaning. <i>Developmental Psychobiology</i> , 1995, 28, 103-115.	0.9	37
44	Anti-inflammatory influences on behavioral, but not cortisol, responses during maternal separation. <i>Psychoneuroendocrinology</i> , 2009, 34, 1101-1108.	1.3	37
45	Effects of social partners on pituitary-adrenal activity during novelty exposure in adult female squirrel monkeys. <i>Physiology and Behavior</i> , 1986, 38, 803-807.	1.0	36
46	Central dopamine turnover in guinea pig pups during separation from their mothers in a novel environment.. <i>Behavioral Neuroscience</i> , 1990, 104, 607-611.	0.6	36
47	Proinflammatory activity and the sensitization of depressive-like behavior during maternal separation.. <i>Behavioral Neuroscience</i> , 2011, 125, 426-433.	0.6	36
48	Effects of repeated petting sessions on leukocyte counts, intestinal parasite prevalence, and plasma cortisol concentration of dogs housed in a county animal shelter. <i>Journal of the American Veterinary Medical Association</i> , 2015, 247, 1289-1298.	0.2	35
49	Light-dark variation and changes across the lactational period in the behaviors of undisturbed mother and infant guinea pigs (<i>Cavia porcellus</i>).. <i>Journal of Comparative Psychology (Washington, D)</i> Tj ETQq1 1 00784314 rgBT /Ove		
50	Adrenocortical activity during conditions of brief social separation in preweaning rats. <i>Behavioral and Neural Biology</i> , 1990, 54, 42-55.	2.3	33
51	Monoamine activity in anterior hypothalamus of guinea pig pups separated from their mothers.. <i>Behavioral Neuroscience</i> , 1994, 108, 171-176.	0.6	33
52	Corticotropin-releasing factor modulation of the ultrasonic vocalization rate of isolated rat pups. <i>Developmental Brain Research</i> , 1995, 87, 125-134.	2.1	33
53	Exploring Human Interaction and Diet Effects on the Behavior of Dogs in a Public Animal Shelter. <i>Journal of Applied Animal Welfare Science</i> , 2002, 5, 253-273.	0.4	33
54	The adaptive shaping of social behavioural phenotypes during adolescence. <i>Biology Letters</i> , 2018, 14, 20180536.	1.0	33

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55	Passive responses of young guinea pigs during exposure to a novel environment: Influences of social partners and age. <i>Developmental Psychobiology</i> , 2005, 46, 86-96.	0.9	31
56	Depressive-like behavior, its sensitization, social buffering, and altered cytokine responses in rhesus macaques moved from outdoor social groups to indoor housing. <i>Social Neuroscience</i> , 2017, 12, 65-75.	0.7	31
57	Peripherally administered CRH suppresses the vocalizations of isolated guinea pig pups. <i>Physiology and Behavior</i> , 1991, 50, 17-22.	1.0	30
58	Alpha-melanocyte stimulating hormone reduces putative stress-induced sickness behaviors in isolated guinea pig pups. <i>Behavioural Brain Research</i> , 2006, 168, 326-330.	1.2	29
59	A multispecies approach for understanding neuroimmune mechanisms of stress. <i>Dialogues in Clinical Neuroscience</i> , 2017, 19, 37-53.	1.8	29
60	Both prevention of physical contact and removal of distal cues mediate cortisol and vocalization responses of guinea pig pups to maternal separation in a novel environment. <i>Physiology and Behavior</i> , 1988, 43, 729-733.	1.0	28
61	A descriptive analysis of nursing behavior in the guinea pig (<i>Cavia porcellus</i>).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 1994, 108, 23-28.	0.3	28
62	Separation, Sickness, and Depression. <i>Current Directions in Psychological Science</i> , 2009, 18, 227-231.	2.8	26
63	Social influences on endocrine activity in guinea pigs, with comparisons to findings in nonhuman primates. <i>Neuroscience and Biobehavioral Reviews</i> , 1999, 23, 687-698.	2.9	25
64	Adaptive shaping of the behavioural and neuroendocrine phenotype during adolescence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162784.	1.2	24
65	Presence of Mother and Unfamiliar Female Alters Levels of Testosterone, Progesterone, Cortisol, Adrenocorticotropin, and Behavior in Maturing Guinea Pigs. <i>Hormones and Behavior</i> , 2002, 42, 42-52.	1.0	23
66	Maternal separation produces, and a second separation enhances, core temperature and passive behavioral responses in guinea pig pups. <i>Physiology and Behavior</i> , 2010, 100, 305-310.	1.0	23
67	Strain of foster mother determines long-term effects of early handling: Evidence for maternal mediation. <i>Physiological Psychology</i> , 1982, 10, 153-157.	0.8	22
68	Voluntary and involuntary maternal separation in guinea pig pups with mothers required to forage. <i>Developmental Psychobiology</i> , 1990, 23, 783-796.	0.9	22
69	Social Preferences of Developing Guinea Pigs (<i>Cavia porcellus</i>) From the Prewaning to the Periadolescent Periods.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2003, 117, 406-413.	0.3	22
70	Brief exposure to the biological mother "potentiates" the isolation behavior of precocial Guinea pig pups. <i>Developmental Psychobiology</i> , 2006, 48, 653-659.	0.9	21
71	Female influences on pair formation, reproduction and male stress responses in a monogamous cavy (<i>Galea monasteriensis</i>). <i>Hormones and Behavior</i> , 2008, 53, 403-412.	1.0	21
72	Psychological Stress, Its Reduction, and Long-Term Consequences: What Studies with Laboratory Animals Might Teach Us about Life in the Dog Shelter. <i>Animals</i> , 2020, 10, 2061.	1.0	21

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73	Effects of centrally administered Corticotropin-Releasing Factor (CRF) and \pm -helical CRF on the vocalizations of isolated guinea pig pups. <i>Pharmacology Biochemistry and Behavior</i> , 1992, 43, 37-43.	1.3	20
74	Stability and change: Stress responses and the shaping of behavioral phenotypes over the life span. <i>Frontiers in Zoology</i> , 2015, 12, S18.	0.9	20
75	Peripheral administration of a corticotropin-releasing factor antagonist increases the vocalizing and locomotor activity of isolated guinea pig pups. <i>Physiology and Behavior</i> , 1996, 60, 707-710.	1.0	18
76	Social organization predicts nature of infant-adult interactions in two species of wild guinea pigs (<i>Cavia aperea</i> and <i>Galea monasteriensis</i>).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2006, 120, 12-18.	0.3	18
77	Sensitive phases in the development of rodent social behavior. <i>Current Opinion in Behavioral Sciences</i> , 2020, 36, 63-70.	2.0	18
78	Selective social buffering of behavioral and endocrine responses and Fos induction in the prelimbic cortex of infants exposed to a novel environment. <i>Developmental Psychobiology</i> , 2015, 57, 50-62.	0.9	17
79	Naproxen attenuates sensitization of depressive-like behavior and fever during maternal separation. <i>Physiology and Behavior</i> , 2015, 139, 34-40.	1.0	17
80	The fate of filial attachment in juvenile guinea pigs housed apart from the mother. , 1996, 29, 641-651.		15
81	Sex-specific effects of corticosterone on hippocampally mediated learning in young rats. <i>Physiology and Behavior</i> , 2005, 85, 159-166.	1.0	15
82	An investigation of the effects of maternal separation and novelty on central mechanisms mediating pituitary-adrenal activity in infant guinea pigs (<i>Cavia porcellus</i>).. <i>Behavioral Neuroscience</i> , 2010, 124, 800-809.	0.6	15
83	Further characterization of the behavioral effects of peripherally administered corticotropin-releasing factor in guinea pigs. <i>Pharmacology Biochemistry and Behavior</i> , 1993, 44, 925-930.	1.3	14
84	Early Attachment Disruption, Inflammation, and Vulnerability for Depression in Rodent and Primate Models. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 12, 314.	1.0	14
85	Behavioral effects of peripheral corticotropin-releasing factor during maternal separation may be mediated by proinflammatory activity. <i>Psychoneuroendocrinology</i> , 2011, 36, 996-1004.	1.3	13
86	Filial attachment and its disruption: Insights from the guinea pig. <i>Developmental Psychobiology</i> , 2014, 56, 1747-1754.	0.9	13
87	Development of selective social buffering of the plasma cortisol response in laboratory-reared male guinea pigs (<i>Cavia porcellus</i>).. <i>Behavioral Neuroscience</i> , 2009, 123, 347-355.	0.6	12
88	Short-term, high-dose administration of corticosterone by injection facilitates trace eyeblink conditioning in young male rats. <i>Behavioural Brain Research</i> , 2016, 298, 62-68.	1.2	12
89	Rehousing periadolescent male guinea pigs (<i>Cavia porcellus</i>) apart from their mothers for 24 hours increases maternally directed sexual behavior and plasma testosterone.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 1999, 113, 435-442.	0.3	11
90	Persistent sensitization of depressive-like behavior and thermogenic response during maternal separation in pre- and post-weaning guinea pigs. <i>Developmental Psychobiology</i> , 2012, 54, 514-522.	0.9	11

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91	Short- and Long-term Consequences of Corticotropin-releasing Factor in Early Development. <i>Annals of the New York Academy of Sciences</i> , 1999, 897, 76-91.	1.8	10
92	Sensitization of depressive-like behavior during repeated maternal separation is associated with more-rapid increase in core body temperature and reduced plasma cortisol levels. <i>Physiology and Behavior</i> , 2012, 105, 861-867.	1.0	10
93	Maternal inhibition of infant behavioral response following isolation in novel surroundings and inflammatory challenge. <i>Developmental Psychobiology</i> , 2013, 55, 395-403.	0.9	10
94	Evidence that endogenous corticotropin-releasing factor suppresses behavioral responses of guinea pig pups to brief isolation in novel surroundings. , 1997, 31, 39-47.		9
95	Maternal separation increases later immobility during forced swim in guinea pig pups: evidence for sensitization of a depressive-like state. <i>Developmental Psychobiology</i> , 2017, 59, 128-132.	0.9	9
96	Central neuroimmune activity and depressive-like behavior in response to repeated maternal separation and injection of LPS. <i>Physiology and Behavior</i> , 2019, 199, 366-374.	1.0	8
97	The distribution of radiolabeled corticotropin-releasing factor in pregnant rats : an investigation of placental transfer to the FETUSES. <i>International Journal of Developmental Neuroscience</i> , 1998, 16, 229-234.	0.7	7
98	Effects of a novel potential antidepressant on the behavior and cortisol levels of isolated guinea pig pups. <i>Pharmacology Biochemistry and Behavior</i> , 2001, 69, 527-533.	1.3	7
99	Alpha-melanocyte-stimulating hormone attenuates behavioral effects of corticotropin-releasing factor in isolated guinea pig pups. <i>Developmental Psychobiology</i> , 2009, 51, 399-407.	0.9	7
100	Influence of postnatal glucocorticoids on hippocampal-dependent learning varies with elevation patterns and administration methods. <i>Neurobiology of Learning and Memory</i> , 2017, 143, 77-87.	1.0	7
101	Adult males buffer the cortisol response of young guinea pigs: Changes with age, mediation by behavior, and comparison with prefrontal activity. <i>Hormones and Behavior</i> , 2018, 98, 165-172.	1.0	7
102	Sexual interactions of maturing male guinea pigs with their mothers, sisters, and unfamiliar adult females in the home cage. <i>Developmental Psychobiology</i> , 2003, 42, 91-96.	0.9	6
103	Modest elevation of corticosterone in preweanling rats impairs subsequent trace eyeblink conditioning during the juvenile period. <i>Behavioural Brain Research</i> , 2014, 258, 19-26.	1.2	6
104	Plasma corticosterone fluctuations in an infant-learning paradigm.. <i>Behavioral Neuroscience</i> , 1988, 102, 701-705.	0.6	4
105	Central oxytocin alters cortisol and behavioral responses of guinea pig pups during isolation in a novel environment. <i>Physiology and Behavior</i> , 2019, 212, 112710.	1.0	4
106	Presence of mother prompts dissociation of sickness behavior, fever, and hypothalamic gene expression in lipopolysaccharide-injected guinea pig pups. <i>Developmental Psychobiology</i> , 2020, 62, 749-757.	0.9	3
107	Responses of guinea pigs to brain stimulation during isolation: Examining the transition from "protest" to depressive-like behavior. <i>Neurology Psychiatry and Brain Research</i> , 2013, 19, 67-75.	2.0	2
108	Social buffering of plasma corticosterone and amygdala responses of young rats following exposure to periorbital shock: Implications for eyeblink conditioning development.. <i>Behavioral Neuroscience</i> , 2021, 135, 622-628.	0.6	1

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109	Sensitization of depressive-like behavior is attenuated by disruption of prostaglandin synthesis days following brief early attachment-figure isolation. <i>Developmental Psychobiology</i> , 2022, 64, e22237.	0.9	1
110	Effects of social experience on the corticosterone response of adult rats to pup cues. <i>Developmental Psychobiology</i> , 1984, 17, 151-159.	0.9	0
111	Increases in the circulating testosterone of maturing male guinea pigs appear neither necessary nor sufficient for heightened maternally directed sexual and social/courtship behavior. <i>Hormones and Behavior</i> , 2005, 47, 319-325.	1.0	0