

# Richard McCarty

## List of Publications by Year in descending order

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120  
papers

5,160  
citations

76326  
40  
h-index

95266  
68  
g-index

121  
all docs

121  
docs citations

121  
times ranked

2797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rate of change in solar insolation is a hidden variable that influences seasonal alterations in bipolar disorder. <i>Brain and Behavior</i> , 2021, 11, e02198.	2.2	5
2	Enlightened: addressing circadian and seasonal changes in photoperiod in animal models of bipolar disorder. <i>Translational Psychiatry</i> , 2021, 11, 373.	4.8	6
3	Seasonal effects on bipolar disorder: A closer look. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 115, 199-219.	6.1	19
4	Stress and Mental Disorders: Insights from Animal Models. , 2020, , .		2
5	Switching winter and summer photoperiods in an animal model of bipolar disorder. <i>Neuropsychopharmacology</i> , 2019, 44, 1677-1678.	5.4	7
6	Cross-fostering: Elucidating the effects of gene—environment interactions on phenotypic development. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 73, 219-254.	6.1	54
7	Optimizing laboratory animal stress paradigms: The H-H* experimental design. <i>Psychoneuroendocrinology</i> , 2017, 75, 5-14.	2.7	3
8	Learning about stress: neural, endocrine and behavioral adaptations. <i>Stress</i> , 2016, 19, 449-475.	1.8	77
9	Vagotomy attenuates effects of l-glucose but not of d-glucose on spontaneous alternation performance. <i>Physiology and Behavior</i> , 2002, 77, 243-249.	2.1	27
10	Science, politics, and peer review: An editors dilemma.. <i>American Psychologist</i> , 2002, 57, 198-201.	4.2	11
11	Fluctuations in Brain Glucose Concentration during Behavioral Testing: Dissociations between Brain Areas and between Brain and Blood. <i>Neurobiology of Learning and Memory</i> , 2001, 75, 325-337.	1.9	185
12	ALTERED NGF REGULATION MAY LINK A GENETIC PREDISPOSITION FOR HYPERTENSION WITH HYPERACTIVE VOIDING. <i>Journal of Urology</i> , 1999, 161, 1372-1377.	0.4	33
13	Attenuation of Morphine-Induced Behavioral Changes in Rodents by d-and l-Glucose. <i>Neurobiology of Learning and Memory</i> , 1999, 71, 62-79.	1.9	18
14	Enhanced Release of Norepinephrine in Rat Hippocampus during Spontaneous Alternation Tests. <i>Neurobiology of Learning and Memory</i> , 1999, 71, 289-300.	1.9	18
15	ALTERED NGF REGULATION MAY LINK A GENETIC PREDISPOSITION FOR HYPERTENSION WITH HYPERACTIVE VOIDING. <i>Journal of Urology</i> , 1999, , 1372-1377.	0.4	3
16	Stress, Aging, and Neurodegenerative Disorders: Molecular Mechanisms. <i>Annals of the New York Academy of Sciences</i> , 1998, 851, 429-443.	3.8	47
17	Neurally mediated hyperactive voiding in spontaneously hypertensive rats. <i>Brain Research</i> , 1998, 790, 151-159.	2.2	77
18	Gender differences in sympathoadrenal activity in rats at rest and in response to footshock stress. <i>International Journal of Developmental Neuroscience</i> , 1998, 16, 289-295.	1.6	123

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19	Effect of prenatal stress on plasma corticosterone and catecholamines in response to footshock in rats. <i>Physiology and Behavior</i> , 1998, 64, 439-444.	2.1	160
20	Arterial Nerve Growth Factor (NGF) mRNA, Protein, and Vascular Smooth Muscle Cell NGF Secretion in Hypertensive and Hyperactive Rats. <i>Experimental Cell Research</i> , 1998, 244, 196-205.	2.6	21
21	Altered regulation of bladder nerve growth factor and neurally mediated hyperactive voiding. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R1279-R1286.	1.8	42
22	Regulation of Peripheral Catecholamine Responses to Acute Stress in Young Adult and Aged F-344 Rats. <i>Stress</i> , 1997, 2, 113-122.	1.8	15
23	Efferent and afferent neuronal hypertrophy associated with micturition pathways in spontaneously hypertensive rats. , 1997, 16, 293-303.		43
24	Maternal influences on adult blood pressure of SHRS: A single pup cross-fostering study. <i>Physiology and Behavior</i> , 1996, 59, 71-75.	2.1	48
25	Catecholamines, Stress, and Disease. <i>Psychosomatic Medicine</i> , 1996, 58, 590-597.	2.0	48
26	Disprocynium <sup>24</sup> , a novel inhibitor of the extraneuronal monoamine transporter, has potent effects on the inactivation of circulating noradrenaline and adrenaline in conscious rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1996, 354, 287-94.	3.0	34
27	Prewanling Administration of Terazosin Decreases Blood Pressure of Hypertensive Rats in Adulthood. <i>Hypertension</i> , 1996, 27, 1115-1120.	2.7	11
28	Effects of immobilization on in vivo release of norepinephrine in the bed nucleus of the stria terminalis in conscious rats. <i>Brain Research</i> , 1995, 688, 242-246.	2.2	92
29	Milk electrolyte content of Dahl hypertensive and normotensive rats. <i>Physiology and Behavior</i> , 1995, 57, 477-481.	2.1	4
30	Stress, Aging, and Memory.. <i>Annals of the New York Academy of Sciences</i> , 1995, 771, 512-522.	3.8	15
31	Regulation of plasma catecholamine responses to stress. <i>Seminars in Neuroscience</i> , 1994, 6, 197-204.	2.2	19
32	Timing of preweanling maternal effects on development of hypertension in SHR rats. <i>Physiology and Behavior</i> , 1994, 55, 839-844.	2.1	33
33	Maternal influences on milk intake in SHR and WKY pups. <i>Physiology and Behavior</i> , 1994, 56, 901-906.	2.1	24
34	Altered gustatory development in Na <sup>+</sup> -Restricted rats is not explained by low Na <sup>+</sup> levels in mothers' milk. <i>Physiology and Behavior</i> , 1993, 53, 823-826.	2.1	5
35	Pain threshold in diabetic rats: effects of good versus poor diabetic control. <i>Pain</i> , 1992, 50, 231-236.	4.2	50
36	Shared maternal influences in the development of high blood pressure in the spontaneously hypertensive (SHR) and Dahl salt-sensitive (SS/Jr) rat strains. <i>Behavioral and Neural Biology</i> , 1992, 57, 144-148.	2.2	13

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37	Electrolyte content of milk differs in normotensive and spontaneously hypertensive rats. Cognitive, Affective and Behavioral Neuroscience, 1992, 20, 307-310.	1.3	18
38	Adult blood pressure reduction in spontaneously hypertensive rats reared by normotensive Spragueâ€™Dawley mothers. Behavioral and Neural Biology, 1991, 56, 262-270.	2.2	23
39	Plasma catecholamine responses to acute motion stress in laboratory rats. Physiology and Behavior, 1991, 49, 653-656.	2.1	8
40	Two New Wistar-Kyoto Rat Strains in which Hypertension and Hyperactivity are Expressed Separately. Clinical and Experimental Hypertension, 1991, 13, 939-945.	0.3	12
41	Atrial Natriuretic Factor Systems and Experimental Hypertension. , 1991, , 365-408.		0
42	Response to Hole et al. on â€˜the tail-flick test needs to be improvedâ€™. Pain, 1990, 43, 393.	4.2	0
43	Sources and Vasopressor Efficacy of Circulating Neuropeptide Y during Acute and Chronic Stress in Rats. Annals of the New York Academy of Sciences, 1990, 611, 412-414.	3.8	6
44	Habituation and sensitization of plasma catecholamine responses to chronic intermittent stress: Effects of stressor intensity. Physiology and Behavior, 1990, 47, 647-652.	2.1	45
45	Glycemic control of pain threshold in diabetic and control rats. Physiology and Behavior, 1990, 47, 225-230.	2.1	55
46	Predictability of chronic intermittent stress: Effects on sympatheticâ€™adrenal medullary responses of laboratory rats. Behavioral and Neural Biology, 1990, 53, 231-243.	2.2	48
47	Maternal behavior of spontaneously hypertensive and Wistarâ€™Kyoto normotensive rats: Effects of reciprocal cross-fostering of litters. Behavioral and Neural Biology, 1990, 54, 90-96.	2.2	36
48	Habituation of plasma catecholamine responses to chronic intermittent restraint stress. Cognitive, Affective and Behavioral Neuroscience, 1990, 18, 30-34.	1.3	8
49	Open-field behavior of spontaneously hypertensive and wistar-kyoto normotensive rats: Effects of reciprocal cross-fostering. Behavioral and Neural Biology, 1989, 51, 203-210.	2.2	31
50	Physiological responses to acute stress in alloxan and streptozotocin diabetic rats. Physiology and Behavior, 1989, 45, 483-489.	2.1	32
51	Habituation of sympathetic-adrenal medullary responses following exposure to chronic intermittent stress. Physiology and Behavior, 1989, 45, 255-261.	2.1	84
52	Sympathetic-adrenal medullary responses to acute stress in dahl hypertensive (S/JR) rats. Physiology and Behavior, 1989, 45, 27-31.	2.1	5
53	Sensitization of sympathetic-adrenal medullary responses to a novel stressor in chronically stressed laboratory rats. Physiology and Behavior, 1989, 46, 129-135.	2.1	55
54	Cardiovascular and sympathetic nervous system responses to an acute stressor in borderline hypertensive rats (BHR). Physiology and Behavior, 1989, 46, 309-313.	2.1	22

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55	ANF receptors: Distribution and regulation in central and peripheral tissues. <i>Neuroscience and Biobehavioral Reviews</i> , 1988, 12, 151-168.	6.1	42
56	Chronic stress and sympathetic-adrenal medullary responsiveness. <i>Social Science and Medicine</i> , 1988, 26, 333-341.	3.8	105
57	Differential plasma catecholamine and neuropeptide Y responses to acute stress in rats. <i>Life Sciences</i> , 1988, 42, 1615-1624.	4.3	77
58	Effect of stressor intensity on habituation of the adrenocortical stress response. <i>Physiology and Behavior</i> , 1988, 43, 41-46.	2.1	175
59	Sympathetic-adrenal medullary response to stress in hyperactive and hypertensive rats. <i>Physiology and Behavior</i> , 1988, 44, 47-51.	2.1	35
60	Regulation of binding sites for atrial natriuretic factor (ANF) in rat brain. <i>Peptides</i> , 1988, 9, 3-8.	2.4	4
61	Brain binding sites for atrial natriuretic factor (ANF): Alterations in prehypertensive dahl salt-sensitive (S/JR) rats. <i>Brain Research Bulletin</i> , 1988, 20, 1-8.	3.0	7
62	Maternal effects on the development of spontaneous hypertension.. <i>Health Psychology</i> , 1988, 7, 125-135.	1.6	14
63	Alterations in Binding Sites for Atrial Natriuretic Factor in Kidneys and Adrenal Glands of Dahl Hypertension-Sensitive Rats. <i>Journal of Hypertension</i> , 1987, 5, 481-488.	0.5	7
64	Vagal and sympathetic components of the heart rate range and gain of the baroreceptor-heart rate reflex in conscious rats. <i>Journal of the Autonomic Nervous System</i> , 1987, 21, 203-213.	1.9	249
65	Development of cardiac sympathetic and adrenal-medullary responses in borderline hypertensive rats. <i>Journal of the Autonomic Nervous System</i> , 1987, 21, 43-49.	1.9	6
66	Autonomic nervous system control of heart rate during baroreceptor activation in conscious and anesthetized rats. <i>Journal of the Autonomic Nervous System</i> , 1987, 20, 121-127.	1.9	105
67	Ontogeny of functional sympathetic innervation to the heart and adrenal medulla in the preweanling rat. <i>Journal of the Autonomic Nervous System</i> , 1987, 19, 67-75.	1.9	24
68	Accelerated development of cardiac sympathetic responses in spontaneously hypertensive (SHR) rats. <i>Behavioral and Neural Biology</i> , 1987, 48, 321-333.	2.2	26
69	Quantitative autoradiographic analysis of somatostatin binding sites in discrete areas of rat forebrain. <i>Brain Research Bulletin</i> , 1987, 18, 29-34.	3.0	20
70	Binding sites for atrial natriuretic factor (ANF) in kidneys and adrenal glands of spontaneously hypertensive (SHR) rats. <i>Life Sciences</i> , 1987, 40, 1673-1681.	4.3	30
71	Patterns of maternal behavior in the spontaneously hypertensive rat. <i>Physiology and Behavior</i> , 1987, 39, 633-637.	2.1	39
72	Sympathetic responses of the heart and adrenal medulla in developing Dahl hypertensive rats. <i>Physiology and Behavior</i> , 1987, 39, 733-737.	2.1	5

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73	Adrenal hormonal indices of stress in laboratory rats. <i>Physiology and Behavior</i> , 1987, 39, 117-125.	2.1	112
74	Preweanling behavioral development in spontaneously hypertensive, borderline hypertensive, and wistar-kyoto normotensive rats. <i>Developmental Psychobiology</i> , 1987, 20, 57-69.	1.6	22
75	Binding sites for atrial natriuretic factor (ANF) in brain: Alterations in Brattleboro rats. <i>Brain Research Bulletin</i> , 1986, 17, 767-772.	3.0	17
76	Effects of dietary sodium on dopamine content of rat adrenal cortex. <i>Physiology and Behavior</i> , 1986, 37, 785-789.	2.1	2
77	Age-Related Alterations in Sympathetic-Adrenal Medullary Responses to Stress. <i>Gerontology</i> , 1986, 32, 172-183.	2.8	45
78	Enhanced Sympathetic-adrenal Medullary Response to Cold Exposure in Spontaneously Hypertensive Rats. <i>Journal of Hypertension</i> , 1985, 3, 63-66.	0.5	35
79	Cardiovascular responses to acute footshock stress in adult and aged Fischer 344 male rats. <i>Neurobiology of Aging</i> , 1985, 6, 47-50.	3.1	14
80	Sympathetic-adrenal medullary and cardiovascular responses to acute cold stress in adult and aged rats. <i>Journal of the Autonomic Nervous System</i> , 1985, 12, 15-22.	1.9	77
81	Unilateral odor deprivation: Effects on the development of olfactory bulb catecholamines and behavior. <i>Developmental Brain Research</i> , 1985, 22, 1-6.	1.7	113
82	Effects of 2-deoxyglucose on plasma catecholamines in adult and aged rats. <i>Neurobiology of Aging</i> , 1984, 5, 285-289.	3.1	14
83	Strain differences in sympathetic-adrenal medullary responsiveness and behavior. <i>Behavioral and Neural Biology</i> , 1984, 40, 98-113.	2.2	17
84	Adaptation to stress: Tyrosine hydroxylase activity and catecholamine release. <i>Neuroscience and Biobehavioral Reviews</i> , 1983, 7, 29-34.	6.1	84
85	Stress: Behavioral and biological interactions. <i>Neuroscience and Biobehavioral Reviews</i> , 1983, 7, 483-484.	6.1	3
86	Stress, behavior and experimental hypertension. <i>Neuroscience and Biobehavioral Reviews</i> , 1983, 7, 493-502.	6.1	72
87	Relationship between plasma norepinephrine and sympathetic neural activity.. <i>Hypertension</i> , 1983, 5, 552-559.	2.7	326
88	Physiological responses of rats to footshock stress: Effects of social environment. <i>Behavioral and Neural Biology</i> , 1982, 34, 394-403.	2.2	12
89	Spontaneous hypertension and open-field behavior. <i>Behavioral and Neural Biology</i> , 1982, 34, 450-452.	2.2	37
90	Physiological and behavioral responses of New Zealand hypertensive and normotensive rats to stress. <i>Physiology and Behavior</i> , 1982, 28, 103-108.	2.1	7

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91	Plasma catecholamines in salt-sensitive hypertensive (Dahl) rats. Physiology and Behavior, 1982, 28, 1083-1088.	2.1	24
92	Plasma catecholamines: Effects of footshock level and hormonal modulators of memory storage*1. Hormones and Behavior, 1981, 15, 168-182.	2.1	111
93	Plasma catecholamines: changes after footshock and seizure-producing frontal cortex stimulation. Behavioral and Neural Biology, 1981, 31, 247-260.	2.2	84
94	Aged rats: diminished sympathetic-adrenal medullary responses to acute stress. Behavioral and Neural Biology, 1981, 33, 204-212.	2.2	49
95	Differences in choline acetyltransferase but similarities in catecholamine biosynthetic enzymes in brains of two rat strains differing in their response to stress. Brain Research, 1981, 206, 239-243.	2.2	27
96	Plasma catecholamines in rats: Daily variations in basal levels and increments in response to stress. Physiology and Behavior, 1981, 26, 27-31.	2.1	35
97	Sympatho-adrenal hyperreactivity to footshock stress but not to cold exposure in spontaneously hypertensive rats. Physiology and Behavior, 1981, 26, 85-89.	2.1	32
98	Effects of handling during infancy on the sympathetic-adrenal medullary system of rats. Developmental Psychobiology, 1981, 14, 533-539.	1.6	12
99	Food deprivation: Effects on the predatory behavior of southern grasshopper mice (Onychomys Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	8
100	Differential behavioral responses of spontaneously hypertensive (SHR) and normotensive (WKY) rats to d-amphetamine. Pharmacology Biochemistry and Behavior, 1980, 12, 53-59.	2.9	29
101	Plasma Catecholamines in Human and Experimental Hypertension. Clinical and Experimental Hypertension, 1980, 2, 379-394.	1.3	20
102	Patterns of behavioral development in spontaneously hypertensive rats and Wistar-Kyoto normotensive controls. Developmental Psychobiology, 1979, 12, 239-243.	1.6	97
103	Parental environment: Effects on survival, growth and aggressive behaviors of 2 rodent species. Developmental Psychobiology, 1979, 12, 269-279.	1.6	11
104	Strain differences in rat adrenal biosynthetic enzymes and stress-induced increases in plasma catecholamines. Life Sciences, 1979, 25, 747-754.	4.3	37
105	Stress-induced alterations in plasma catecholamines and behavior of rats: Effects of chlorisondamine and bretylium. Behavioral and Neural Biology, 1979, 27, 249-265.	2.2	68
106	Spontaneously hypertensive rats: Adrenergic hyperresponsivity to anticipation of electric shock. Behavioral Biology, 1978, 23, 180-188.	2.2	61
107	Behavioral and cardiovascular responses of spontaneously hypertensive and normotensive rats to inescapable footshock. Behavioral Biology, 1978, 22, 405-410.	2.2	67
108	Sympatho-adrenal medullary activity and behavior during exposure to footshock stress: A comparison of seven rat strains. Physiology and Behavior, 1978, 21, 567-572.	2.1	133

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109	Sympatho-adrenal activity of SHR and WKY rats during recovery from forced immobilization. Physiology and Behavior, 1978, 21, 951-955.	2.1	42
110	Alterations in plasma catecholamines and behavior during acute stress in spontaneously hypertensive and Wistar-Kyoto normotensive rats. Life Sciences, 1978, 22, 997-1005.	4.3	137
111	Changes in plasma catecholamines and behavior of rats during the anticipation of footshock. Hormones and Behavior, 1978, 11, 248-257.	2.1	34
112	Onychomys leucogaster. Mammalian Species, 1978, , 1.	0.7	28
113	Pregnancy: Its Effects on Blood Pressure, Heart Rate and Sympatho-Adrenal Activity in Spontaneously Hypertensive Rats. Experimental Biology and Medicine, 1978, 158, 242-244.	2.4	11
114	Patterns of parental care in two cricetid rodents, Onychomys torridus and Peromyscus leucopus. Animal Behaviour, 1977, 25, 945-948.	1.9	43
115	Cross-species fostering: Effects on the olfactory preference of Onychomys torridus and Peromyscus leucopus. Behavioral Biology, 1977, 19, 255-260.	2.2	37
116	Paternal care and the development of behavior in the southern grasshopper mouse, Onychomys torridus. Behavioral Biology, 1977, 19, 476-490.	2.2	24
117	Effects of parental environment on the prevalence of convulsive seizures in Onychomys torridus. Developmental Psychobiology, 1977, 10, 359-364.	1.6	7
118	The development of convulsive seizures in the grasshopper mouse (Onychomys torridus). Developmental Psychobiology, 1975, 8, 547-552.	1.6	9
119	Magnesium Deprivation and Seizures in Mongolian Gerbils. Journal of General Psychology, 1975, 92, 3-4.	2.8	2
120	Onychomys torridus. Mammalian Species, 1975, , 1.	0.7	22