Norman M White

List of Publications by Citations

109	8,101	41	89
papers	citations	h-index	g-index
136	8,456	4	6.1
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
109	A triple dissociation of memory systems: Hippocampus, amygdala, and dorsal striatum.. *Behavioral Neuroscience*, **1993**, 107, 3-22	2.1	1063
108	Multiple parallel memory systems in the brain of the rat. *Neurobiology of Learning and Memory*, **2002**, 77, 125-84	3.1	732
107	Parallel information processing in the water maze: evidence for independent memory systems involving dorsal striatum and hippocampus. *Behavioral and Neural Biology*, **1994**, 61, 260-70		597
106	Dissociation of hippocampus and caudate nucleus memory systems by posttraining intracerebral injection of dopamine agonists.. *Behavioral Neuroscience*, **1991**, 105, 295-306	2.1	391
105	Parallel information processing in the dorsal striatum: relation to hippocampal function. *Journal of Neuroscience*, **1999**, 19, 2789-98	6.6	334
104	Addictive drugs as reinforcers: multiple partial actions on memory systems. *Addiction*, **1996**, 91, 921-950	4.6	293
103	Dopamine D3 receptor mutant mice exhibit increased behavioral sensitivity to concurrent stimulation of D1 and D2 receptors. *Neuron*, **1997**, 19, 837-48	13.9	282
102	Conditioned place preference from intra-accumbens but not intra-caudate amphetamine injections. *Life Sciences*, **1983**, 33, 2551-7	6.8	224
101	Hippocampal and nonhippocampal contributions to place learning in rats.. *Behavioral Neuroscience*, **1995**, 109, 579-593	2.1	191
100	Mnemonic functions of the basal ganglia. *Current Opinion in Neurobiology*, **1997**, 7, 164-9	7.6	190
99	Anatomical disassociation of amphetamine's rewarding and aversive effects: an intracranial microinjection study. *Psychopharmacology*, **1986**, 89, 340-6	4.7	178
98	Reward or reinforcement: what's the difference?. *Neuroscience and Biobehavioral Reviews*, **1989**, 13, 181-6		150
97	The amphetamine conditioned place preference: differential involvement of dopamine receptor subtypes and two dopaminergic terminal areas. *Brain Research*, **1991**, 552, 141-52	3.7	138
96	Contingent and non-contingent actions of sucrose and saccharin reinforcers: effects on taste preference and memory. *Physiology and Behavior*, **1984**, 32, 195-203	3.5	127
95	Memory improvement by glucose, fructose, and two glucose analogs: a possible effect on peripheral glucose transport. *Behavioral and Neural Biology*, **1987**, 48, 104-27		126
94	The reinforcing action of morphine and its paradoxical side effect. *Psychopharmacology*, **1977**, 52, 63-6	4.7	125
93	Place conditioning with dopamine D1 and D2 agonists injected peripherally or into nucleus accumbens. *Psychopharmacology*, **1991**, 103, 271-6	4.7	123

92	Dissociation of memory systems: The story unfolds. *Behavioral Neuroscience*, **2013**, 127, 813-34	2.1	121
91	The conditioned place preference is affected by two independent reinforcement processes. *Pharmacology Biochemistry and Behavior*, **1985**, 23, 37-42	3.9	121
90	Memory facilitation produced by dopamine agonists: role of receptor subtype and mnemonic requirements. *Pharmacology Biochemistry and Behavior*, **1989**, 33, 511-8	3.9	117
89	Control of sensorimotor function by dopaminergic nigrostriatal neurons: influence on eating and drinking. *Neuroscience and Biobehavioral Reviews*, **1986**, 10, 15-36	9	108
88	Impaired preference conditioning after anterior temporal lobe resection in humans. *Journal of Neuroscience*, **2000**, 20, 2649-56	6.6	98
87	Some highlights of research on the effects of caudate nucleus lesions over the past 200 years. *Behavioural Brain Research*, **2009**, 199, 3-23	3.4	93
86	Lesions of the caudate nucleus selectively impair "reference memory" acquisition in the radial maze. *Behavioral and Neural Biology*, **1990**, 53, 39-50		90
85	A functional hypothesis concerning the striatal matrix and patches: mediation of S-R memory and reward. *Life Sciences*, **1989**, 45, 1943-57	6.8	86
84	Information acquired by the hippocampus interferes with acquisition of the amygdala-based conditioned-cue preference in the rat. *Hippocampus*, **1995**, 5, 189-97	3.5	84
83	Localized intracaudate dopamine D2 receptor activation during the post-training period improves memory for visual or olfactory conditioned emotional responses in rats. *Behavioral and Neural Biology*, **1991**, 55, 255-69		79
82	Systematic comparison of the effects of hippocampal and fornix-fimbria lesions on acquisition of three configural discriminations. *Hippocampus*, **1997**, 7, 371-88	3.5	74
81	Dissociation of visual and olfactory conditioning in the neostriatum of rats. *Behavioural Brain Research*, **1989**, 32, 31-42	3.4	68
80	Effects of systemic and intracranial amphetamine injections on behavior in the open field: a detailed analysis. *Pharmacology Biochemistry and Behavior*, **1987**, 27, 113-22	3.9	68
79	Performance effects with repeated-response measures during pimozide-produced dopamine receptor blockade. *Pharmacology Biochemistry and Behavior*, **1979**, 11, 557-61	3.9	65
78	Post-training injection of the acetylcholine M2 receptor antagonist AF-DX 116 improves memory. *Brain Research*, **1990**, 524, 72-6	3.7	64
77	The relationship between stereotypy and memory improvement produced by amphetamine. *Psychopharmacology*, **1984**, 82, 203-9	4.7	60
76	The reserpine-sensitive dopamine pool mediates (+)-amphetamine-conditioned reward in the place preference paradigm. *Brain Research*, **1990**, 510, 33-42	3.7	59
75	The ventral pallidum area is involved in the acquisition but not expression of the amphetamine conditioned place preference. *Neuroscience Letters*, **1993**, 156, 9-12	3.3	55

74	Mnemonic functions of dorsal striatum and hippocampus in aversive conditioning. *Behavioural Brain Research*, **2003**, 142, 99-107	3.4	54
73	Effect of nigrostriatal dopamine depletion on the post-training, memory-improving action of amphetamine. *Life Sciences*, **1988**, 43, 7-12	6.8	49
72	Memory enhancement by post-training peripheral administration of low doses of dopamine agonists: possible autoreceptor effect. *Behavioral and Neural Biology*, **1993**, 59, 230-41		48
71	Relationship between amygdala and hypothalamus in the control of eating behavior. *Physiology and Behavior*, **1969**, 4, 199-205	3.5	48
70	Contributions of the hippocampus, amygdala, and dorsal striatum to the response elicited by reward reduction.. *Behavioral Neuroscience*, **1998**, 112, 812-826	2.1	44
69	Strength-duration analysis of the organization of reinforcement pathways in the medial forebrain bundle of rats. *Brain Research*, **1976**, 110, 575-91	3.7	44
68	Conditioned memory modulation, freezing, and avoidance as measures of amygdala-mediated conditioned fear. *Neurobiology of Learning and Memory*, **2002**, 77, 250-75	3.1	41
67	The role of stimulus ambiguity and movement in spatial navigation: a multiple memory systems analysis of location discrimination. *Neurobiology of Learning and Memory*, **2004**, 82, 216-29	3.1	40
66	Pimozide attenuates conditioned taste preferences induced by self-stimulation in rats. *Pharmacology Biochemistry and Behavior*, **1981**, 15, 915-9	3.9	33
65	Effects of catecholamine manipulations on three different self-stimulation behaviors. *Pharmacology Biochemistry and Behavior*, **1978**, 9, 603-8	3.9	33
64	Amygdala c-Fos induction corresponds to unconditioned and conditioned aversive stimuli but not to freezing. *Behavioural Brain Research*, **2004**, 152, 109-20	3.4	32
63	Conditioned Preference in Humans: A Novel Experimental Approach. *Learning and Motivation*, **1999**, 30, 250-264	1.3	31
62	Inactivation of the dorsal hippocampus does not affect learning during exploration of a novel environment. *Hippocampus*, **2005**, 15, 1085-93	3.5	29
61	Effects of fimbria-fornix, hippocampus, and amygdala lesions on discrimination between proximal locations. *Behavioral Neuroscience*, **2004**, 118, 770-84	2.1	26
60	Learning the morphine conditioned cue preference: cue configuration determines effects of lesions. *Pharmacology Biochemistry and Behavior*, **2005**, 81, 786-96	3.9	26
59	Conditioned stereotypy: behavioral specification of the UCS and pharmacological investigation of the neural change. *Pharmacology Biochemistry and Behavior*, **1989**, 32, 249-58	3.9	26
58	Contributions of dopamine terminal areas to amphetamine-induced anorexia and adipsia. *Pharmacology Biochemistry and Behavior*, **1986**, 25, 17-22	3.9	26
57	Effects of morphine on one-trial appetitive learning. *Life Sciences*, **1978**, 23, 1967-71	6.8	26

56	Dorsal hippocampal function in unreinforced spatial learning. *Hippocampus*, **2000**, 10, 226-35	3.5	25
55	Amphetamine conditioned cue preference and the neurobiology of drug-seeking. *Seminars in Neuroscience*, **1993**, 5, 329-336		25
54	Effect of pimozide on the improvement in learning produced by self-stimulation and by water reinforcement. *Pharmacology Biochemistry and Behavior*, **1978**, 8, 565-71	3.9	25
53	A triple dissociation of memory systems: Hippocampus, amygdala, and dorsal striatum. *Behavioral Neuroscience*, **2013**, 127, 835-53	2.1	24
52	Roles of movement and temporal factors in spatial learning. *Hippocampus*, **1997**, 7, 501-10	3.5	22
51	Addictive drugs as reinforcers: multiple partial actions on memory systems. *Addiction*, **1996**, 91, 921-950	4.6	22
50	6-Hydroxydopamine lesions of the olfactory tubercle do not alter (+)-amphetamine-conditioned place preference. *Behavioural Brain Research*, **1990**, 36, 185-8	3.4	22
49	The effect of post-training hypothalamic self-stimulation on sensory preconditioning in rats. *Canadian Journal of Psychology*, **1982**, 36, 57-66		22
48	Effect of posttraining injections of glucose on acquisition of two appetitive learning tasks. *Cognitive, Affective and Behavioral Neuroscience*, **1990**, 18, 282-286		21
47	Amygdala inactivation blocks expression of conditioned memory modulation and the promotion of avoidance and freezing. *Behavioral Neuroscience*, **2004**, 118, 24-35	2.1	21
46	Dorsal hippocampus function in learning and expressing a spatial discrimination. *Learning and Memory*, **2006**, 13, 119-22	2.8	20
45	Intra-amygdala muscimol injections impair freezing and place avoidance in aversive contextual conditioning. *Learning and Memory*, **2004**, 11, 436-46	2.8	20
44	Unreinforced spatial (latent) learning is mediated by a circuit that includes dorsal entorhinal cortex and fimbria fornix. *Hippocampus*, **2007**, 17, 586-94	3.5	19
43	Perseveration by rats with amygdaloid lesions. *Journal of Comparative and Physiological Psychology*, **1971**, 77, 416-26		19
42	Effects of adrenal demedullation on the conditioned emotional response and on the memory improving action of glucose.. *Behavioral Neuroscience*, **1988**, 102, 499-503	2.1	17
41	Cooperation and competition between the dorsal hippocampus and lateral amygdala in spatial discrimination learning. *Hippocampus*, **2006**, 16, 577-85	3.5	16
40	Effects of post-training heroin and d-amphetamine on consolidation of win-stay learning and fear conditioning. *Journal of Psychopharmacology*, **2013**, 27, 292-301	4.6	15
39	Involuntary, unreinforced (pure) spatial learning is impaired by fimbria-fornix but not by dorsal hippocampus lesions. *Hippocampus*, **2003**, 13, 324-33	3.5	15

38	Effect of posttraining exposure to an aversive stimulus on retention. *Physiological Psychology*, **1984**, 12, 233-236		15
37	Response involvement in brain stimulation reward. *Physiology and Behavior*, **1981**, 27, 641-7	3.5	15
36	Effects of lesions of various medial forebrain bundle components on lateral hypothalamic self-stimulation. *Brain Research*, **1977**, 133, 45-63	3.7	15
35	Temporary inactivation of the dorsal entorhinal cortex impairs acquisition and retrieval of spatial information. *Neurobiology of Learning and Memory*, **2010**, 93, 203-7	3.1	13
34	Roles of learning and motivation in preference behavior: mediation by entorhinal cortex, dorsal and ventral hippocampus. *Hippocampus*, **2007**, 17, 147-60	3.5	13
33	A latent cue preference based on sodium depletion in rats. *Learning and Memory*, **2005**, 12, 549-52	2.8	13
32	Pipradrol conditioned place preference is blocked by SCH23390. *Pharmacology Biochemistry and Behavior*, **1992**, 43, 377-80	3.9	13
31	Operationalizing and Measuring the Organizing Influence of Drugs on Behavior **1987**, 591-617		13
30	Parallel learning in an autoshaping paradigm. *Behavioral Neuroscience*, **2016**, 130, 376-92	2.1	12
29	Algebraic summation of the affective properties of a rewarding and an aversive stimulus in the rat. *Physiology and Behavior*, **1982**, 28, 873-7	3.5	12
28	Enhancement of feeding produced by stimulation of the ventromedial hypothalamus. *Journal of Comparative and Physiological Psychology*, **1974**, 86, 414-9		12
27	Effects of anterior medial forebrain bundle lesions on self-stimulation with two different operant responses. *Behavioral Biology*, **1975**, 14, 221-30		12
26	Effects of catecholamine manipulations on three different self-stimulation behaviors. *Pharmacology Biochemistry and Behavior*, **1978**, 9, 273-8	3.9	12
25	Cognitive Enhancement: An Everyday Event?. *International Journal of Psychology*, **1998**, 33, 95-105	1.9	11
24	Effect of glucose on amphetamine-induced motor behavior. *Life Sciences*, **1986**, 38, 2255-62	6.8	11
23	Exploration evoked by electrical stimulation of the amygdala of rats. *Physiological Psychology*, **1978**, 6, 229-235		11
22	Facilitation of retention by self-stimulation and by experimenter-administered stimulation. *Canadian Journal of Psychology*, **1978**, 32, 116-23		11
21	Lithium increases selective attention in rats. *Pharmacology Biochemistry and Behavior*, **1981**, 15, 81-8	3.9	10

20	Self-stimulation and suppression of feeding observed at the same site in the amygdala. *Physiology and Behavior*, **1973**, 10, 215-9	3.5	10
19	Effects of septal lesions on responding for delayed brain stimulation reinforcement. *Brain Research*, **1974**, 65, 185-93	3.7	9
18	Parallel processing of information about location in the amygdala, entorhinal cortex and hippocampus. *Hippocampus*, **2013**, 23, 1075-83	3.5	7
17	Posttraining self-stimulation and memory: A study of some parameters. *Physiological Psychology*, **1982**, 10, 343-349		7
16	Ultrasonic vocalization ratios reflect the influence of motivational state and amygdala lesions on different types of taste avoidance learning. *Behavioural Brain Research*, **2011**, 217, 88-98	3.4	6
15	Neural circuits mediating latent learning and conditioning for salt in the rat. *Neurobiology of Learning and Memory*, **2006**, 86, 91-9	3.1	5
14	Effects of lesions of the amygdala, pyriform cortex, and stria terminalis on two types of exploration by rats. *Physiological Psychology*, **1978**, 6, 319-324		5
13	The caudate nucleus and acquisition of win-shift radial-maze behavior: Effect of exposure to the reinforcer during maze adaptation. *Cognitive, Affective and Behavioral Neuroscience*, **1992**, 20, 127-132		5
12	Learning not to respond: Role of the hippocampus in withholding responses during omission training. *Behavioural Brain Research*, **2017**, 318, 61-70	3.4	4
11	How independent are parallel memory systems? A theoretical comment on Gibson and Shettleworth (2005). *Behavioral Neuroscience*, **2005**, 119, 1158-64	2.1	3
10	Memory enhancement produced by post-training exposure to sucrose-conditioned cues. *F1000Research*, **2013**, 2, 22	3.6	3
9	Reward. *Frontiers in Neuroscience*, **2011**, 45-60		3
8	Lesions of basolateral and central amygdala differentiate conditioned cue preference learning with and without unreinforced preexposure. *Behavioral Neuroscience*, **2011**, 125, 84-92	2.1	2
7	Effect of Muscimol Inactivation of the Basolateral or Central Amygdala on Shock-Conditioned Responses. *Annals of the New York Academy of Sciences*, **2006**, 985, 525-527	6.5	2
6	Pharmacological Approaches to the Study of Learning and Memory **1998**, 143-176		2
5	Effects of NMDA receptor blockade on behaviors differentially affected by fimbria/fornix and amygdala lesions. *Cognitive, Affective and Behavioral Neuroscience*, **1997**, 25, 109-117		2
4	Memory or learned association?. *Trends in Neurosciences*, **1979**, 2, 244	13.3	1
3	Multiple Memory Systems in Humans and Rodents **2017**,		

2 Beyond reward and dopamine to multiple causes and individual differences. *Addiction*, **1996**, 91, 960-965 4.6

1 Peter M. Milner, 1919–2018. *Journal of Psychiatry and Neuroscience*, **2018**, 43, 428-429 4.5