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Place navigation impaired in rats with hippocampal lesions

DOI: 10.1038/297681a0  
Nature, 1982, 297, 681-3.

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2266	Functional hemidecortication by spreading depression or by focal epileptic discharge disrupts spatial memory in rats. <b>1985</b> , 10, 387-98	5
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2257	Effects of individual housing and stressor exposure upon the acquisition of watermaze escape. <b>1986</b> , 17, 287-310	21

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2254	Perinatal glucocorticoids disrupt learning: a sexually dimorphic response. <b>1986</b> , 36, 145-9	52
2253	Influence of electroconvulsive shock and naloxone on acquisition and retention of a spatial navigation task in rats. <b>1986</b> , 38, 551-6	9
2252	Selective attention and place navigation in rats treated prenatally with methylazoxymethanol. <b>1986</b> , 30, 145-155	40
2251	Cholinergic septal grafts into the hippocampal formation improve spatial learning and memory in aged rats by an atropine-sensitive mechanism. <b>1986</b> , 6, 2837-47	201
2250	Long-term enhancement of hippocampal synaptic transmission and the acquisition of spatial information. <b>1986</b> , 6, 563-71	305
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2244	Comparative effect of serotonin, injected into the dorsal hippocampus, on conditional passive and active avoidance reflexes in rats. <b>1986</b> , 101, 558-560	1
2243	Selective impairment of learning and blockade of long-term potentiation by an N-methyl-D-aspartate receptor antagonist, AP5. <i>Nature</i> , <b>1986</b> , 319, 774-6	504 3027
2242	Effects of chlordiazepoxide and sodium valproate in two tests of spatial behaviour. <b>1986</b> , 25, 747-51	14
2241	Effects of alpha-MSH, TRH and AVP on learning and memory, pain threshold, and motor activity: preliminary results. <b>1987</b> , 32, 703-9	13
2240	Relationships between the superior colliculus and hippocampus: Neural and behavioral considerations. <b>1987</b> , 10, 101-119	70
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2238	Are hippocampus and superior colliculus more related to each other than to other brain structures?. <b>1987</b> , 10, 120-121	3
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2234	More to hippocampal-collicular relations than meets the eye. <b>1987</b> , 10, 124-125	
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2232	A short quiz for neuropsychologists. <b>1987</b> , 10, 125-126	
2231	How close is the functional interdependence between hippocampus and superior colliculus?. <b>1987</b> , 10, 126-127	2
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2228	Using awake, behaving animals to study the brain. <b>1987</b> , 10, 129-129	2
2227	Real-time attention theories of hippocampal function. <b>1987</b> , 10, 130-131	0
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2225	The heterogeneity and plasticity of cerebral structures. <b>1987</b> , 10, 131-132	5
2224	The hippocampus and attention. <b>1987</b> , 10, 132-133	6
2223	Collicular-hippocampal linkage: Reflections and further considerations. <b>1987</b> , 10, 133-151	2
2222	Mental duality and motor decisions. <b>1987</b> , 10, 153-153	1
2221	Two paddlers or one?. <b>1987</b> , 10, 154-154	1

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2219	Time to close the store?. <b>1987</b> , 10, 156-160	6
2218	How does the rat hippocampus see?. <b>1987</b> , 10, 121-122	2
2217	Exploration and spatial learning in staggerer mutant mice. <b>1987</b> , 4, 285-292	22
2216	Exploration and Spatial Learning In Staggerer Mutant Mice. <b>1987</b> , 4, 285-292	45
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2214	Development of interocular equivalence in rats trained on a distal-cue navigation task.. <b>1987</b> , 101, 141-143	8
2213	The effects of changes in the environment on the spatial firing of hippocampal complex-spike cells. <b>1987</b> , 7, 1951-68	1005
2212	Spatial learning in the rat: impairment induced by the thiol-proteinase inhibitor, leupeptin, and an analysis of [3H]glutamate receptor binding in relation to learning. <b>1987</b> , 47, 333-45	16
2211	Characteristics of memory impairment following lesioning of the basal forebrain and medial septal nucleus in rats. <b>1987</b> , 419, 19-31	182
2210	Chlordiazepoxide, an anxiolytic benzodiazepine, impairs place navigation in rats. <b>1987</b> , 24, 39-46	150
2209	Hippocampal, granule cell and CA3-4 lesions impair formation of a place learning-set in the rat and induce reflex epilepsy. <b>1987</b> , 24, 59-72	105
2208	Impairments in the acquisition, retention and selection of spatial navigation strategies after medial caudate-putamen lesions in rats. <b>1987</b> , 24, 125-38	238
2207	Impaired retention of preoperatively acquired spatial reference memory in homing pigeons following hippocampal ablation. <b>1987</b> , 24, 147-56	38
2206	Behavioural, biochemical and histochemical effects of different neurotoxic amino acids injected into nucleus basalis magnocellularis of rats. <b>1987</b> , 20, 653-69	322
2205	Cue-sampling and goal-approach correlates of hippocampal unit activity in rats performing an odor-discrimination task. <b>1987</b> , 7, 716-32	251
2204	Blockade of spatial learning by the M1 muscarinic antagonist pirenzepine. <b>1987</b> , 93, 470-6	107
2203	Spatial learning and memory following fimbria-fornix transection and grafting of fetal septal neurons to the hippocampus. <b>1987</b> , 67, 195-215	315

2202	New perspectives on the physiology, chemistry, and pharmacology of memory. <b>1987</b> , 10, 295-315	7
2201	Early-life malnutrition selectively retards the development of distal- but not proximal-cue navigation. <b>1987</b> , 20, 521-37	67
2200	Deficits on a spatial navigation task following prenatal exposure to ethanol. <b>1987</b> , 9, 253-8	107
2199	Effects of chronic diisopropylfluorophosphate treatment on spatial learning in mice. <b>1987</b> , 27, 143-51	46
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2196	Hippocampal ablated homing pigeons show a persistent impairment in the time taken to return home. <b>1988</b> , 163, 559-563	33
2195	Intra-ventricular infusion of the NMDA antagonist AP5 impairs performance on a non-spatial operant DRL task in the rat. <b>1988</b> , 73, 181-8	160
2194	The effect of pirenzepine on spatial learning in the Morris Water Maze. <b>1988</b> , 30, 519-23	56
2193	Does the mutant mouse lurcher have deficits in spatially oriented behaviours?. <b>1988</b> , 455, 24-30	66
2192	Visuospatial learning impairment following lesion of the cholinergic projection to the hippocampus. <b>1988</b> , 456, 71-87	56
2191	Aging and the physiology of spatial memory. <b>1988</b> , 9, 563-8	195
2190	Water-maze learning and effects of cholinergic drugs in mouse strains with high and low hippocampal pyramidal cell counts. <b>1988</b> , 42, 375-83	40
2189	Obsessive-compulsive disorder: is there a frontal lobe dysfunction?. <b>1988</b> , 24, 602-13	52
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2187	The axonal cytoskeleton: stationary or moving matrix?. <b>1988</b> , 11, 248-9	20
2186	Unimpaired acquisition of spatial reference memory, but impaired homing performance in hippocampal-ablated pigeons. <b>1988</b> , 27, 179-87	78
2185	Place navigation in rats is impaired by lesions of medial septum and diagonal band but not nucleus basalis magnocellularis. <b>1988</b> , 27, 9-20	392

2184	Impaired spatial navigation in adult female but not adult male rats exposed to alcohol during the brain growth spurt. <b>1988</b> , 27, 247-57	120
2183	Constraints on water maze spatial learning in rats: implications for behavioral studies of brain damage and recovery of function. <b>1988</b> , 28, 275-86	23
2182	Spatial learning and memory processes: the search for their neurobiological mechanisms in the rat. <b>1988</b> , 11, 163-9	325
2181	Aging and spatial cognition. <b>1988</b> , 9, 569-70	12
2180	Age-dependent alterations in hippocampal synaptic plasticity: relation to memory disorders. <b>1988</b> , 9, 581-90	184
2179	An age-related spatial learning deficit: choline uptake distinguishes "impaired" and "unimpaired" rats. <b>1988</b> , 9, 363-9	100
2178	Spatial learning deficits in old rats: a model for memory decline in the aged. <b>1988</b> , 9, 549-56	221
2177	Handbook of Psychopharmacology. <b>1988</b> ,	1
2176	Memory [We had not forgotten. <b>1988</b> , 11, 554	
2175	Exploration and memory. <b>1988</b> , 11, 552	
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2164	Synaptic plasticity and learning. II: Do different kinds of plasticity underlie different kinds of learning?. <b>1989</b> , 27, 41-59	131
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2162	Using genetically-defined rodent strains for the identification of hippocampal traits relevant for two-way avoidance behavior: a non-invasive approach. <b>1989</b> , 45, 845-59	126
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2148	Hyperthermia impairs retrieval of an overtrained spatial task in the Morris water maze. <b>1989</b> , 52, 321-30	15
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2134	Spatial performance is severely impaired in rats with combined reduction of serotonergic and cholinergic transmission. <b>1989</b> , 477, 404-7	132
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2130	Elevated dynorphin in the hippocampal formation of aged rats: relation to cognitive impairment on a spatial learning task. <b>1989</b> , 86, 2948-51	85
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2121	Differential effect of ketamine on the reference and working memory versions of the Morris water maze task.. <b>1990</b> , 104, 74-83	61
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2118	Ibotenate Lesions of Hippocampus and/or Subiculum: Dissociating Components of Allocentric Spatial Learning. <b>1990</b> , 2, 1016-1028	520
2117	Neural Transplantation in Animal Models of Dementia. <b>1990</b> , 2, 567-587	113
2116	Reversal of age-related cognitive impairments by an M1 cholinergic agonist, AF102B. <b>1990</b> , 36, 89-95	64
2115	Microinjection of dynorphin into the hippocampus impairs spatial learning in rats. <b>1990</b> , 35, 429-35	70
2114	Effects of the NMDA antagonists CPP and MK-801 on radial arm maze performance in rats. <b>1990</b> , 35, 785-90	184
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2106	Hippocampal 5-hydroxytryptamine synthesis is greater in female rats than in males and more decreased by the 5-HT <sub>1A</sub> agonist 8-OH-DPAT. <b>1990</b> , 79, 93-101	96
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2104	Evolution of spatial cognition: sex-specific patterns of spatial behavior predict hippocampal size. <b>1990</b> , 87, 6349-52	276
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2100	Prenatal phenytoin exposure decreases neuronal membrane order in rat offspring hippocampus. <b>1990</b> , 8, 283-8	11
2099	Domoic acid, an environmental toxin, produces hippocampal damage and severe memory impairment. <b>1990</b> , 120, 221-3	76
2098	Markers for biogenic amines in the aged rat brain: relationship to decline in spatial learning ability. <b>1990</b> , 11, 507-14	144
2097	Recognition of egocentric and allocentric visual and auditory space by neurons in the hippocampus of monkeys. <b>1990</b> , 109, 293-8	30
2096	Varieties of spatial cognition. Psychobiological considerations. <b>1990</b> , 608, 613-26; discussion 626-36	30
2095	Behavioural deficits and serotonin depletion in adult rats after transient infant nasal viral infection. <b>1990</b> , 35, 355-63	46

2094	Reversible inactivation of the medial septum differentially affects two forms of learning in rats. <b>1990</b> , 528, 12-20	221
2093	Long-term stability of the place-field activity of single units recorded from the dorsal hippocampus of freely behaving rats. <b>1990</b> , 509, 299-308	278
2092	Role of the medial septum and hippocampal theta rhythm in exploration-related synaptic efficacy changes in rat fascia dentata. <b>1990</b> , 529, 102-8	7
2091	Prolonged memory impairment in the absence of hippocampal cell death following traumatic brain injury in the rat. <b>1990</b> , 526, 249-58	373
2090	Muscimol injections in the medial septum impair spatial learning. <b>1990</b> , 522, 227-34	127
2089	S-emopamil ameliorates ischemic brain damage in rats: histological and behavioural approaches. <b>1990</b> , 47, 1511-8	26
2088	Perinatal decortication impairs performance on an 8-arm radial maze task. <b>1990</b> , 48, 55-60	5
2087	Testosterone fails to reverse spatial memory decline in aged rats and impairs retention in young and middle-aged animals. <b>1990</b> , 53, 6-20	76
2086	Lesions of the caudate nucleus selectively impair "reference memory" acquisition in the radial maze. <b>1990</b> , 53, 39-50	90
2085	The cerebellum and learning processes in animals. <b>1990</b> , 15, 325-32	125
2084	In situ binding of bouton zinc reversibly disrupts performance on a spatial memory task. <b>1990</b> , 38, 25-33	78
2083	Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. <b>1990</b> , 39, 205-29	84
2082	Rats exposed prenatally to alcohol exhibit impairment in spatial navigation test. <b>1990</b> , 36, 217-28	83
2081	Hippocampus, amygdala, and memory deficits in rats. <b>1990</b> , 37, 57-79	266
2080	Homing behavior of hippocampus and parahippocampus lesioned pigeons following short-distance releases. <b>1990</b> , 40, 227-38	87
2079	No correlations between spatial and non-spatial reference memory in a T-maze task and hippocampal mossy fibre distribution in the mouse. <b>1990</b> , 41, 251-9	38
2078	Damage to ceruleo-cortical noradrenergic projections impairs locally cued but enhances spatially cued water maze acquisition. <b>1990</b> , 39, 29-51	92
2077	The effects of forebrain ischaemia on spatial learning. <b>1990</b> , 41, 151-60	148

2076	Cholinergic receptor blockade can impair the rat's performance on both the place learning and cued versions of the Morris water task: the role of age and pool wall brightness. <b>1990</b> , 36, 79-90	41
2075	Learning and memory. FESN Study Group. <b>1991</b> , 16, 193-220	127
2074	The basal forebrain-cortical cholinergic system: interpreting the functional consequences of excitotoxic lesions. <b>1991</b> , 14, 494-501	405
2073	Blockade of behavioral sensitization to methamphetamine by lesion of hippocampo-accumbal pathway. <b>1991</b> , 48, 1325-32	72
2072	Tetrahydroaminoacridine alleviates medial septal lesion-induced and age-related spatial reference but not working memory deficits. <b>1991</b> , 49, 1147-52	43
2071	Functional elongation of CA1 hippocampal neurons with aging in Fischer 344 rats. <b>1991</b> , 12, 201-10	46
2070	Increase in perforant path quantal size in aged F-344 rats. <b>1991</b> , 12, 441-8	85
2069	Place recognition responses of neurons in monkey hippocampus. <b>1991</b> , 121, 194-8	52
2068	Dissociable effects on spatial maze and passive avoidance acquisition and retention following AMPA- and ibotenic acid-induced excitotoxic lesions of the basal forebrain in rats: differential dependence on cholinergic neuronal loss. <b>1991</b> , 43, 457-72	250
2067	Postnatal handling attenuates certain neuroendocrine, anatomical, and cognitive dysfunctions associated with aging in female rats. <b>1991</b> , 12, 31-8	217
2066	Spatial performance correlates with in vitro potentiation in young and aged Fischer 344 rats. <b>1991</b> , 554, 1-9	109
2065	Age-related decreases of the N-methyl-D-aspartate receptor complex in the rat cerebral cortex and hippocampus. <b>1991</b> , 542, 83-90	182
2064	Habituation and inhibitory avoidance training alter brain regional levels of benzodiazepine-like molecules and are affected by intracerebral flumazenil microinjection. <b>1991</b> , 548, 74-80	45
2063	The histopathological, behavioral and neurochemical effects of intraventricular injection of ethylcholine mustard aziridinium (AF64A) in the neonatal rat. <b>1991</b> , 61, 249-57	7
2062	The effects of neonatal handling on the development of the adrenocortical response to stress: implications for neuropathology and cognitive deficits in later life. <b>1991</b> , 16, 85-103	317
2061	Physical activity effects on hippocampal and parietal cortical cholinergic function and spatial learning in F344 rats. <b>1991</b> , 43, 115-23	90
2060	Neonatal anoxia induces transitory hyperactivity, permanent spatial memory deficits and CA1 cell density reduction in developing rats. <b>1991</b> , 45, 125-34	101
2059	Enhancement of spatial learning in F344 rats by physical activity and related learning-associated alterations in hippocampal and cortical cholinergic functioning. <b>1991</b> , 46, 123-33	118

2058	Spatial problem-solving in a wheel-shaped maze: quantitative and qualitative analyses of the behavioural changes following damage to the hippocampus in the rat. <b>1991</b> , 44, 67-79	15
2057	Complementary roles for the amygdala and hippocampus in aversive conditioning to explicit and contextual cues. <b>1991</b> , 42, 335-50	509
2056	Recognition memory deficits in a subpopulation of aged monkeys resemble the effects of medial temporal lobe damage. <b>1991</b> , 12, 481-6	123
2055	Age-related ability of rats kept on a life-long hypocaloric diet in a spatial memory test. Longitudinal observations. <b>1991</b> , 12, 277-82	47
2054	WITHDRAWN: Memory Changes with Age: Neurobiological Correlates. <b>1991</b> , 259-296	4
2053	References. <b>1991</b> , 233-276	
2052	Forebrain ischemia induces selective behavioral impairments associated with hippocampal injury in rats. <b>1991</b> , 22, 1040-7	149
2051	Animal Models with Parallels to Schizophrenia. <b>1991</b> , 25-66	1
2050	A neural network approach to hippocampal function in classical conditioning.. <b>1991</b> , 105, 82-110	85
2049	Dissociation of hippocampus and caudate nucleus memory systems by posttraining intracerebral injection of dopamine agonists.. <b>1991</b> , 105, 295-306	391
2048	Analysis of aversively conditioned learning and memory in rats recovered from pyriithiamine-induced thiamine deficiency.. <b>1991</b> , 105, 351-359	58
2047	Improvement of cognitive function by MAO-B inhibitor L-deprenyl in aged rats. <b>1991</b> , 39, 297-304	59
2046	Age-dependent changes in receptor-stimulated phosphoinositide turnover in the rat hippocampus. <b>1991</b> , 38, 861-7	29
2045	The effects of increased serotonergic and decreased cholinergic activities on spatial navigation performance in rats. <b>1991</b> , 39, 25-9	30
2044	A toluene-induced motor syndrome in rats resembling that seen in some human solvent abusers. <b>1991</b> , 13, 387-400	36
2043	Prenatal valproic acid exposure decreases neuronal membrane order in rat offspring hippocampus and cortex. <b>1991</b> , 13, 471-4	10
2042	Evaluation of memory dysfunction following experimental brain injury using the Morris water maze. <b>1991</b> , 8, 259-69	313
2041	Effects of prenatal protein deprivation on postnatal development of granule cells in the fascia dentata. <b>1991</b> , 310, 356-64	76

2040	The hippocampus and space revisited. <b>1991</b> , 1, 221-9	378
2039	The theory that wouldn't die: a critical look at the spatial mapping theory of hippocampal function. <b>1991</b> , 1, 265-8	88
2038	Does it still make sense to develop nonspatial theories of hippocampal function?. <b>1991</b> , 1, 283-6	41
2037	Distinctive computations and relevant associative processes: hippocampal role in processing, retrieval, but not storage of allocentric spatial memory. <b>1991</b> , 1, 287-90	20
2036	Swimming navigation and structural variations of the infrapyramidal mossy fibers in the hippocampus of the mouse. <b>1991</b> , 1, 315-28	112
2035	Equivalent impairment of spatial and nonspatial memory following damage to the human hippocampus. <b>1991</b> , 1, 329-40	126
2034	Multiple functions of context during conditioning: a developmental analysis. <b>1991</b> , 24, 191-209	26
2033	Elemental and configural associations, the hippocampus and development. <b>1991</b> , 24, 221-236	54
2032	The competitive NMDA antagonist AP5, but not the non-competitive antagonist MK801, induces a delay-related impairment in spatial working memory in rats. <b>1991</b> , 85, 349-58	44
2031	Role of parietal cortex and hippocampus in representing spatial information. <b>1991</b> , 1, 367-73	53
2030	The Hippocampal-Lesion Model of Schizophrenia. 67-102	3
2029	The hippocampal system and declarative memory in animals. <b>1992</b> , 4, 217-31	140
2028	Cognitive deficits following traumatic brain injury produced by controlled cortical impact. <b>1992</b> , 9, 11-20	298
2027	Double dissociation of fornix and caudate nucleus lesions on acquisition of two water maze tasks: Further evidence for multiple memory systems.. <b>1992</b> , 106, 439-446	555
2026	Effects of transplantation of fetal hippocampal or hindbrain tissue into the brains of adult rats with hippocampal lesions on water maze acquisition.. <b>1992</b> , 106, 39-50	21
2025	Selective corticosteroid antagonists modulate specific aspects of spatial orientation learning.. <b>1992</b> , 106, 62-71	548
2024	In vitro autoradiography of hippocampal excitatory amino acid binding in aged Fischer 344 rats: Relationship to performance on the Morris water maze.. <b>1992</b> , 106, 324-335	77
2023	Aged but not young rats develop metabolic, memory deficits after chronic brain ischaemia. <b>1992</b> , 14, 177-80	31



2022	Spatial orientation in weightless environments. <b>1992</b> , 21, 803-12	80
2021	Working and reference memory in rats in the three-panel runway task following dorsal hippocampal lesions. <b>1992</b> , 58, 175-83	36
2020	Hippocampal cholinergic alterations and related behavioral deficits after early exposure to phenobarbital. <b>1992</b> , 29, 1-6	47
2019	Stimulus configuration, classical conditioning, and hippocampal function. <b>1992</b> , 99, 268-305	198
2018	Configural and elemental associations and the memory coherence problem. <b>1992</b> , 4, 208-16	122
2017	8-Hydroxy-2-(di-n-propylamino)tetralin impairs spatial learning in a water maze: role of postsynaptic 5-HT1A receptors. <b>1992</b> , 105, 720-6	111
2016	Short forms of the "reference-" and "working-memory" Morris water maze for assessing age-related deficits. <b>1992</b> , 58, 94-102	67
2015	Lesions of the rat postsubiculum impair performance on spatial tasks. <b>1992</b> , 57, 131-43	106
2014	Effects of an oil enriched in gamma linolenic acid on locomotor activity and behaviour in the Morris Maze, following in utero ethanol exposure in rats. <b>1992</b> , 30, 65-70	10
2013	Hypoxia produces cell death in the rat hippocampus in the presence of an A1 adenosine receptor antagonist: an anatomical and behavioral study. <b>1992</b> , 48, 807-12	40
2012	Persistent changes in behaviour and brain serotonin during ageing in rats subjected to infant nasal virus infection. <b>1992</b> , 13, 83-7	18
2011	Excitatory amino acid receptors in brains of rats with methylazoxymethanol-induced microencephaly. <b>1992</b> , 14, 13-25	11
2010	The effects of dexmedetomidine, an alpha 2 agonist, on learning and memory, assessed using passive avoidance and water maze tasks in rats. <b>1992</b> , 31, 163-8	28
2009	Behavioral effects of continuous hippocampal stimulation in the developing rat. <b>1992</b> , 68, 35-40	33
2008	Effects of the ACTH4-9 analog Org2766 on brain plasticity: modulation of excitatory neurotransmission?. <b>1992</b> , 17, 315-25	19
2007	Hippocampal nerve growth factor levels are related to spatial learning ability in aged rats. <b>1992</b> , 48, 15-20	88
2006	Diencephalic lesions, learning impairments, and intact retrograde memory following acute thiamine deficiency in the rat. <b>1992</b> , 48, 177-85	57
2005	Spatial deficits and hemispheric asymmetries in the rat following unilateral and bilateral lesions of posterior parietal or medial agranular cortex. <b>1992</b> , 50, 53-68	82

2004	Limbic seizures, but not kindling, reversibly impair place learning in the Morris water maze. <b>1992</b> , 50, 167-75	45
2003	A new one-trial test for neurobiological studies of memory in rats. III. Spatial vs. non-spatial working memory. <b>1992</b> , 51, 83-92	191
2002	Brief exposure to an enriched environment improves performance on the Morris water task and increases hippocampal cytosolic protein kinase C activity in young rats. <b>1992</b> , 52, 49-59	98
2001	Removal of the hippocampus and transection of the fornix produce comparable deficits on delayed non-matching to position by rats. <b>1992</b> , 52, 61-71	171
2000	Impaired spatial learning in alpha-calcium-calmodulin kinase II mutant mice. <b>1992</b> , 257, 206-11	1285
1999	Place and taste aversion learning: role of basal forebrain, parietal cortex, and amygdala. <b>1992</b> , 29, 345-53	50
1998	Senescence-accelerated mouse (SAM): age-related reduced anxiety-like behavior in the SAM-P/8 strain. <b>1992</b> , 51, 979-85	86
1997	Spatial learning ability of rats undernourished during early postnatal life. <b>1992</b> , 51, 1001-7	49
1996	Amygdala kindling increased fear-response, but did not impair spatial memory in rats. <b>1992</b> , 51, 845-9	57
1995	Effects of haloperidol on the acquisition of a spatial learning task. <b>1992</b> , 52, 979-83	31
1994	Impaired long-term potentiation, spatial learning, and hippocampal development in fyn mutant mice. <b>1992</b> , 258, 1903-10	1166
1993	Chronic cerebrovascular insufficiency induces dementia-like deficits in aged rats. <b>1992</b> , 582, 186-95	158
1992	Involvement of glycine site associated with the NMDA receptor in hippocampal long-term potentiation and acquisition of spatial memory in rats. <b>1992</b> , 582, 58-64	49
1991	Learning impairment following intracerebral administration of the HIV envelope protein gp120 or a VIP antagonist. <b>1992</b> , 570, 49-53	138
1990	Chronic neonatal MK-801 treatment results in an impairment of spatial learning in the adult rat. <b>1992</b> , 580, 12-7	88
1989	Protective effects of brain hypothermia on behavior and histopathology following global cerebral ischemia in rats. <b>1992</b> , 580, 197-204	161
1988	Muscimol infused into the medial septal area impairs long-term memory but not short-term memory in inhibitory avoidance, water maze place learning and rewarded alternation tasks. <b>1992</b> , 591, 54-61	57
1987	Reversal of learning and memory impairments following lesion of the nucleus basalis magnocellularis (NBM) by concurrent noradrenergic depletion using DSP4 in the rat. <b>1992</b> , 595, 327-33	16

1986	Stimulation of 5-HT1A receptors in the dorsal hippocampus impairs acquisition and performance of a spatial task in a water maze. <b>1992</b> , 595, 50-6		72
1985	Systemic administration of a cholecystokinin analogue, ceruletide, protects against ischemia-induced neurodegeneration in gerbils. <b>1992</b> , 214, 149-58		12
1984	Intrahippocampal injections of benzodiazepine and muscimol impair working memory but not reference memory of rats in the three-panel runway task. <b>1992</b> , 219, 245-51		14
1983	8-Hydroxy-2-(di-n-propylamino)tetralin, a 5-HT1A receptor agonist, impairs performance in a passive avoidance task. <b>1992</b> , 211, 227-34		69
1982	Working and Reference Memory in Rats in the Three-Panel Runway Task Following Dorsal Hippocampal Lesions. <b>1992</b> , 58, 175-183		10
1981	Effects of lesion of the inferior olivary complex by 3-acetylpyridine on learning and memory in the rat. <b>1992</b> , 171, 657-64		25
1980	Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein. <i>Nature</i> , <b>1992</b> , 356, 577-82	50.4	1410
1979	Synergetics and cognitive maps. <b>1992</b> , 23, 111-130		14
1978	Modality-specific retrograde amnesia of fear. <b>1992</b> , 256, 675-7		2052
1977	Neuropeptides, steroid hormones, stress and reproduction. <b>1992</b> , 21, 105-116		4
1976	Neonatal brain dopamine depletion and the cortical and behavioral consequences of enriched postweaning environment. <b>1992</b> , 42, 741-8		18
1975	Diazepam impairs retention of spatial information without affecting retrieval or cue learning. <b>1992</b> , 41, 1-5		28
1974	Serial injections of MK 801 (Dizocilpine) in neonatal rats reduce behavioral deficits associated with X-ray-induced hippocampal granule cell hypoplasia. <b>1992</b> , 43, 785-93		14
1973	Buspirone produces a dose-related impairment in spatial navigation. <b>1992</b> , 43, 167-71		38
1972	Behavioral sequelae in young rats of acute intermittent antenatal hypoxia. <b>1992</b> , 14, 119-29		77
1971	The effects of alaproclate and p-chlorophenylalanine on cued navigation performance in rats. <b>1992</b> , 4, 43-52		13
1970	A new computer program for detailed off-line analysis of swimming navigation in the Morris water maze. <b>1992</b> , 41, 65-74		62
1969	Long-Evans and Sprague-Dawley rats differ in their spatial navigation performance during ontogeny and at maturity. <b>1992</b> , 25, 567-79		58

1968	Bilateral knife cuts to the perforant path disrupt spatial learning in the Morris water maze. <b>1992</b> , 2, 73-80	63
1967	Preserved configural learning and spatial learning impairment in rats with hippocampal damage. <b>1992</b> , 2, 81-8	180
1966	Navigation by fragment fitting: a theory of hippocampal function. <b>1992</b> , 2, 165-87	106
1965	The importance of comparative studies and ecological validity for understanding hippocampal structure and cognitive function. <b>1992</b> , 2, 213-9	95
1964	Spontaneous recovery of deficits in spatial memory and cholinergic potentiation of NMDA in CA1 neurons during chronic lithium treatment. <b>1992</b> , 2, 279-86	8
1963	Spatial responsiveness of monkey hippocampal neurons to various visual and auditory stimuli. <b>1992</b> , 2, 307-22	44
1962	Maintained saturation of hippocampal long-term potentiation does not disrupt acquisition of the eight-arm radial maze. <b>1992</b> , 2, 389-95	35
1961	Amygdala kindling-induced seizures selectively impair spatial memory. 1. Behavioral characteristics and effects on hippocampal neuronal protein kinase C isoforms. <b>1992</b> , 2, 397-409	44
1960	Evolution of sex difference in spatial ability. <b>1992</b> , 35, 125-151	89
1959	Effects of intracerebroventricular administration of ethylcholine aziridinium ion on hippocampal cholinergic system, assayed in vivo by a brain dialysis technique, and on spatial memory of rats. <b>1993</b> , 28, 80-86	
1958	Hippocampal synaptic enhancement and spatial learning in the Morris swim task. <b>1993</b> , 3, 127-32	86
1957	An examination of the relations between hippocampal long-term potentiation, kindling, afterdischarge, and place learning in the water maze. <b>1993</b> , 3, 153-63	104
1956	Learning and memory after adrenalectomy-induced hippocampal dentate granule cell degeneration in the rat. <b>1993</b> , 3, 359-71	43
1955	Maps, routes, and the hippocampus: a neural network approach. <b>1993</b> , 3, 387-400	29
1954	Hippocampal mediation of stimulus representation: a computational theory. <b>1993</b> , 3, 491-516	384
1953	The effect of hyperphenylalaninaemia on the muscarinic acetylcholine receptor in the HPH-5 mouse brain. <b>1993</b> , 16, 962-74	10
1952	Lack of strain differences in spatial learning among seizure-prone and seizure-resistant mice. <b>1993</b> , 23, 385-9	9
1951	Landmark stability is a prerequisite for spatial but not discrimination learning. <i>Nature</i> , <b>1993</b> , 361, 631-3	50.4 151

1950	The contribution of the anterior thalamic nuclei to anterograde amnesia. <b>1993</b> , 31, 1001-19	149
1949	Determinants of non-spatial working memory deficits in rats given intraventricular infusions of the NMDA antagonist AP5. <b>1993</b> , 31, 1079-98	52
1948	Comparative effects of excitotoxic lesions of the hippocampus and septum/diagonal band on conditional visual discrimination and spatial learning. <b>1993</b> , 31, 1099-118	61
1947	Effects of NBM lesions with two neurotoxins on spatial memory and autoshaping. <b>1993</b> , 44, 877-89	29
1946	Blockade of hippocampal nicotinic receptors impairs working memory but not reference memory in rats. <b>1993</b> , 45, 89-93	83
1945	Prevention of soman-induced cognitive deficits by pretreatment with human butyrylcholinesterase in rats. <b>1993</b> , 46, 889-96	75
1944	Phencyclidine disrupts acquisition and retention performance within a spatial continuous recognition memory task. <b>1993</b> , 44, 419-24	29
1943	The behavioral effects of serotonin synthesis inhibition and quisqualic acid induced lesions of the nucleus basalis magnocellularis in rats. <b>1993</b> , 24, 1141-8	12
1942	Learning and sexual deficiencies in transgenic mice carrying a chimeric vasoactive intestinal peptide gene. <b>1993</b> , 4, 185-93	50
1941	Impaired acquisition of swimming navigation in adult mice exposed prenatally to oxazepam. <b>1993</b> , 111, 33-8	16
1940	The interaction of L-deprenyl and scopolamine on spatial learning/memory in rats. <b>1993</b> , 6, 189-97	19
1939	On the role of the hippocampus in learning and memory in the rat. <b>1993</b> , 60, 9-26	891
1938	D-cycloserine attenuates scopolamine-induced learning and memory deficits in rats. <b>1993</b> , 59, 150-7	98
1937	Ameliorative effects of the centrally active cholinesterase inhibitor, NIK-247, on impairment of working memory in rats. <b>1993</b> , 53, 5-10	17
1936	Swimming activity in dystonia musculorum mutant mice. <b>1993</b> , 54, 119-20	10
1935	Encoding of a nonmonotonic serial pattern: role of the dorsal hippocampus and amygdala. <b>1993</b> , 53, 657-65	11
1934	Brain blood flow restoration 'rescues' chronically damaged rat CA1 neurons. <b>1993</b> , 623, 6-15	55
1933	The nootropic compound BMY-21502 improves spatial learning ability in brain injured rats. <b>1993</b> , 624, 199-208	33

1932	Interleukin-1 beta, but not interleukin-6, impairs spatial navigation learning. <b>1993</b> , 613, 160-3	203
1931	Effect of protein malnutrition on CA3 hippocampal pyramidal cells in rats of three ages. <b>1993</b> , 625, 203-12	53
1930	Deficits in working memory following inhibition of hippocampal nitric oxide synthesis in the rat. <b>1993</b> , 632, 36-40	60
1929	Effects of chronic administration of adenosine A1 receptor agonist and antagonist on spatial learning and memory. <b>1993</b> , 249, 271-80	60
1928	Working memory deficits induced by intrahippocampal administration of 8-OH-DPAT, a 5-HT1A receptor agonist, in the rat. <b>1993</b> , 234, 29-34	21
1927	Effects of sustained release formulation of thyrotropin-releasing hormone on learning impairments caused by scopolamine and AF64A in rodents. <b>1993</b> , 238, 181-9	17
1926	Chronic effects of monoamine oxidase-B inhibitors on the behaviour of aged mice. <b>1993</b> , 53, 739-47	14
1925	Protective effect of bifemelane hydrochloride on ischemic hippocampal CA1 neuronal damage in the gerbil: relation to induction of HSP70. <b>1993</b> , 53, 161-7	5
1924	Gated informational transfer within the mammalian hippocampus: a new hypothesis. <b>1993</b> , 54, 111-6	8
1923	Acquisition of a spatial conditioned place preference is impaired by amygdala lesions and improved by fornix lesions. <b>1993</b> , 55, 269-81	122
1922	Animal models of normal aging: relationship between cognitive decline and markers in hippocampal circuitry. <b>1993</b> , 57, 155-62	162
1921	Stimulus configuration, spatial learning, and hippocampal function. <b>1993</b> , 59, 103-17	24
1920	Selective cognitive impairment following traumatic brain injury in rats. <b>1993</b> , 59, 169-73	120
1919	Effects of intracranial infusions of chlordiazepoxide on spatial learning in the Morris water maze. I. Neuroanatomical specificity. <b>1993</b> , 59, 175-91	29
1918	Effects of intracranial infusions of chlordiazepoxide on spatial learning in the Morris water maze. II. Neuropharmacological specificity. <b>1993</b> , 59, 193-204	15
1917	A triple dissociation of memory systems: Hippocampus, amygdala, and dorsal striatum.. <b>1993</b> , 107, 3-22	1063
1916	Regionally specific loss of neurons in the aging human hippocampus. <b>1993</b> , 14, 287-93	513
1915	Acetyl-L-carnitine: behavioral, electrophysiological, and neurochemical effects. <b>1993</b> , 14, 107-15	64

1914	Quinolinic acid lesion of the striatum induces impairment in spatial learning and motor performance in rats. <b>1993</b> , 149, 126-8	102
1913	Neocortical, hippocampal and septal parvalbumin- and somatostatin-containing neurons in young and aged rats: correlation with passive avoidance and water maze performance. <b>1993</b> , 53, 367-78	77
1912	Scopolamine does not differentially affect Morris maze performance in adult rats exposed prenatally to alcohol. <b>1993</b> , 10, 529-35	9
1911	Monkey hippocampal neuron responses related to spatial and non-spatial influence. <b>1993</b> , 159, 75-8	15
1910	Metabolic changes during and after transient clamping of carotid arteries in normotensive rats. <b>1993</b> , 31, 91-6	17
1909	Magnesium and ketamine attenuate cognitive dysfunction following experimental brain injury. <b>1993</b> , 157, 211-4	118
1908	Age-related alterations in potentiation in the CA1 region in F344 rats. <b>1993</b> , 14, 249-58	178
1907	Differential effects of dentate kindling on working and reference spatial memory in the rat. <b>1993</b> , 151, 25-8	35
1906	PKC gamma mutant mice exhibit mild deficits in spatial and contextual learning. <b>1993</b> , 75, 1263-71	591
1905	Effects of kindling on subsequent learning, memory, behavior, and seizure susceptibility. <b>1993</b> , 73, 71-7	34
1904	Age-dependent cognitive and behavioral deficits after kainic acid seizures. <b>1993</b> , 34, 420-32	223
1903	Responses. <b>1993</b> , 262, 761-2	3
1902	Chronic corticosterone treatment potentiates deficits following traumatic brain injury in rats: implications for aging. <b>1993</b> , 10, 297-306	26
1901	Severity of spatial learning impairment in aging: Development of a learning index for performance in the Morris water maze.. <b>1993</b> , 107, 618-626	703
1900	Biochemical correlates of long-term potentiation in hippocampal synapses. <b>1993</b> , 35, 1-41	32
1899	Amygdalar and hippocampal neuron responses related to recognition and memory in monkey. <b>1993</b> , 95, 339-57	19
1898	Place navigation in rats with unilateral tetrodotoxin inactivation of the dorsal hippocampus: Place but not procedural learning can be lateralized to one hippocampus.. <b>1993</b> , 107, 552-564	78
1897	Medial septal lesions disrupt spatial, but not nonspatial, working memory in rats.. <b>1993</b> , 107, 565-574	151

1896	Ibotenate lesions of the hippocampus enhance latent inhibition in conditioned taste aversion and increase resistance to extinction in conditioned taste preference.. <b>1993</b> , 107, 996-1004	82
1895	Neuroprotective effect of felbamate after kainic acid-induced status epilepticus. <b>1993</b> , 34, 359-66	44
1894	Psychotropic screening procedures. <b>1993</b> , 23-51	11
1893	Mazes: their use in delayed conditional discriminations and place discriminations. <b>1993</b> , 10, 195-216	3
1892	The hippocampus: Relational processor or antiprocessor?. <b>1994</b> , 17, 487-488	8
1891	What do animal models of memory model?. <b>1994</b> , 17, 498-499	15
1890	From Heisenberg's cat to Eichenbaum's rat: Uncertainty in predicting the neural requirements for animal behavior. <b>1994</b> , 17, 493-494	
1889	Hippocampus, space, and relations. <b>1994</b> , 17, 490-491	13
1888	Hippocampal neuronal activity in rat and primate: Memory and movement. <b>1994</b> , 17, 499-500	6
1887	Neocortical memory traces. <b>1994</b> , 17, 488-489	2
1886	Does it still make sense to develop a declarative memory theory of hippocampal function?. <b>1994</b> , 17, 492-493	7
1885	Hippocampal modulation of recognition, conditioning, timing, and space: Why so many functions?. <b>1994</b> , 17, 479-480	1
1884	Recording the recognition due to the parahippocampal region places hippocampal relational encoding in context. <b>1994</b> , 17, 474-476	
1883	In search of the engrammer. <b>1994</b> , 17, 476-476	1
1882	A call for greater concern regarding the underlying anatomy. <b>1994</b> , 17, 483-484	1
1881	What can neuroanatomy tell us about the functional components of the hippocampal memory system?. <b>1994</b> , 17, 496-498	9
1880	A computational perspective on dissociating hippocampal and entorhinal function. <b>1994</b> , 17, 476-477	6
1879	Relational but not spatial memory: The task at hand. <b>1994</b> , 17, 489-490	1



- 1878 The hippocampal system, time, and memory representations. **1994**, 17, 474-474
- 1877 Developmental neurotoxicity induced by therapeutic and illicit drugs. **1994**, 102 Suppl 2, 145-53 18
- 1876 Human nerve growth factor improves spatial memory in aged but not in young rats. **1994**, 14, 4815-24 182
- 1875 What exactly do amnesics fail to store normally?. **1994**, 17, 486-487
- 1874 How long do relational representations in the hippocampus last during classical eyelid conditioning?. **1994**, 17, 484-485 28
- 1873 Is Eichenbaum et al.'s proposal testable and how extensive is the hippocampal memory system?. **1994**, 17, 472-473 10
- 1872 Hippocampal representations of DMS/DNMS in the rat. **1994**, 17, 480-482 9
- 1871 Going from task descriptions to memory structures. **1994**, 17, 483-483 48
- 1870 The effects of hippocampal formation ablation or fimbria-fornix section on performance of a nonspatial radial arm maze task by rats. **1994**, 14, 3766-74 46
- 1869 Functional components of the hippocampal memory system: Implications for future learning and memory research in nonhuman primates. **1994**, 17, 491-492
- 1868 Remembering spatial cognition as a hippocampal functional component. **1994**, 17, 473-474 6
- 1867 Psychoarithmetic or pick your own?. **1994**, 17, 478-479 3
- 1866 The hippocampal memory system and its functional comments: Further explication and clarification. **1994**, 17, 500-517
- 1865 Protective effect of galanin on behavioral deficits in experimental traumatic brain injury. **1994**, 11, 73-82 25
- 1864 Facilitation of glutamate receptors enhances memory. **1994**, 91, 777-81 282
- 1863 Two functional components of the hippocampal memory system. **1994**, 17, 449-472 974
- 1862 Cerebellar contributions to instrumental learning. **1994**, 18, 161-70 61
- 1861 Methamphetamine exposure during early postnatal development in rats: I. Acoustic startle augmentation and spatial learning deficits. **1994**, 114, 392-401 81

1860	Reference memory is affected by transient bilateral clamping of the carotid arteries in rats (BCCA). <b>1994, 7, 47-59</b>	6
1859	A model of hippocampal function. <b>1994, 7, 1065-1081</b>	288
1858	Age-dependent loss of NMDA receptors in hippocampus, striatum, and frontal cortex of the rat: prevention by acetyl-L-carnitine. <b>1994, 19, 795-8</b>	40
1857	Absence of an association between motor coordination and spatial orientation in lurcher mutant mice. <b>1994, 24, 497-501</b>	44
1856	Ontogeny of context-specific latent inhibition of conditioned fear: implications for configural associations theory and hippocampal formation development. <b>1994, 27, 367-79</b>	32
1855	Neuroactive substances in the developing dorsomedial telencephalon of the pigeon ( <i>Columba livia</i> ): differential distribution and time course of maturation. <b>1994, 345, 537-61</b>	26
1854	Perirhinal and parahippocampal cortices of the macaque monkey: cortical afferents. <b>1994, 350, 497-533</b>	950
1853	The computational brain. <b>1994, 7, 1329-1332</b>	
1852	Long-term behavioral deficits following pilocarpine seizures in immature rats. <b>1994, 19, 191-204</b>	113
1851	Cholesterol treatment facilitates spatial learning performance in DBA/21bg mice. <b>1994, 49, 257-61</b>	16
1850	Effects of vasoactive intestinal peptide (VIP) on scopolamine-induced amnesia in the rat. <b>1994, 26, 153-8</b>	12
1849	Effects of prenatal malnutrition and postnatal nutritional rehabilitation on CA3 hippocampal pyramidal cells in rats of four ages. <b>1994, 662, 117-26</b>	54
1848	Selective reduction of hippocampal dentate frequency-potential in striatally lesioned rats with impaired place learning. <b>1994, 660, 66-72</b>	4
1847	Hippocampal corticosteroid receptor mRNA expression and spatial learning in the aged Wistar rat. <b>1994, 657, 59-64</b>	29
1846	Age-related fibrillar deposits in brains of C57BL/6 mice. A review of localization, staining characteristics, and strain specificity. <b>1994, 9, 125-33</b>	34
1845	The effect of corticosterone on reactivity to spatial novelty is mediated by central mineralocorticosteroid receptors. <b>1994, 6, 1072-9</b>	141
1844	Analysing brain function and dysfunction in transgenic animals. <b>1994, 20, 350-8</b>	11
1843	Neurochemical Correlates of Learning Impairment in Microcephalic Rats Induced by Methylazoxymethanol Acetate*. <b>1994, 34, 13-25</b>	1

1842	A GABAergic mechanism in the medial septum influences cortical arousal and locomotor activity but not a previously learned spatial discrimination task. <b>1994</b> , 173, 63-6	22
1841	Deficient long-term memory in mice with a targeted mutation of the cAMP-responsive element-binding protein. <b>1994</b> , 79, 59-68	1572
1840	Fmr1 knockout mice: A model to study fragile X mental retardation. <b>1994</b> , 78, 23	130
1839	Attenuation of hippocampal kainic acid-induced seizures by substance P treatment. <b>1994</b> , 15, 425-7	7
1838	Lack of long-term effects after beta-amyloid protein injections in rat brain. <b>1994</b> , 15, 601-7	61
1837	Effect of 5-hydroxytryptophane on behavior and hippocampal physiology in young and old rats. <b>1994</b> , 15, 635-41	16
1836	Age and strain differences in rat place learning and hippocampal dentate gyrus frequency-potential. <b>1994</b> , 171, 113-6	53
1835	A behavioural analysis of rats with damage to the medial prefrontal cortex using the Morris water maze: evidence for behavioural flexibility, but not for impaired spatial navigation. <b>1994</b> , 652, 323-33	242
1834	Brain lesions and water-maze learning deficits after systemic administration of kainic acid to adult rats. <b>1994</b> , 653, 92-100	28
1833	Neurochemical, histopathological and mnemonic effects of combined lesions of the medial septal and serotonin afferents to the hippocampus. <b>1994</b> , 651, 16-26	39
1832	Sexually dimorphic spatial learning varies seasonally in two populations of deer mice. <b>1994</b> , 635, 18-26	144
1831	Blockade of hippocampal M1 muscarinic receptors impairs working memory performance of rats. <b>1994</b> , 650, 260-6	63
1830	Intrahippocampal administration of a glycine site antagonist impairs working memory performance of rats. <b>1994</b> , 253, 183-7	26
1829	Age-related impairment of food anticipatory locomotor activity in rats. <b>1994</b> , 55, 875-8	31
1828	An analysis of spatial navigation in prenatally protein malnourished rats. <b>1994</b> , 55, 217-24	45
1827	Retrieval associated cholinergic activity and its inhibition by memory updating. <b>1994</b> , 54, 1251-7	16
1826	Targeting learning. <b>1994</b> , 17, 71-5	82
1825	Bilateral destruction of the ventrolateral orbital cortex produces allocentric but not egocentric spatial deficits in rats. <b>1994</b> , 61, 79-86	54

1824	Global ischaemia: hippocampal pathology and spatial deficits in the water maze. <b>1994</b> , 62, 41-54	217
1823	The effects of perirhinal cortical lesions on spatial reference memory in the rat. <b>1994</b> , 63, 101-9	122
1822	Cognitive deficits induced by global cerebral ischaemia: relationship to brain damage and reversal by transplants. <b>1994</b> , 65, 1-31	133
1821	Lack of effect of lesions in the anterior cingulate cortex and retrosplenial cortex on certain tests of spatial memory in the rat. <b>1994</b> , 65, 89-101	112
1820	Quinolinic acid lesion of the rat entorhinal cortex pars medialis produces selective amnesia in allocentric working memory (WM), but not in egocentric WM. <b>1994</b> , 63, 187-94	52
1819	Water maze performance and hippocampal weight of prenatally stressed rats. <b>1994</b> , 65, 153-5	64
1818	Chronic aluminum fluoride administration. I. Behavioral observations. <b>1994</b> , 61, 233-41	8
1817	Parallel information processing in the water maze: evidence for independent memory systems involving dorsal striatum and hippocampus. <b>1994</b> , 61, 260-70	597
1816	Intrahippocampal administration of both the D- and the L-isomers of AP5 disrupt spontaneous alternation behavior and evoked potentials. <b>1994</b> , 62, 151-62	20
1815	The NMDA-receptor antagonist MK-801 impairs navigational learning in homing pigeons. <b>1994</b> , 62, 50-9	16
1814	Behavioral and electrophysiological correlates of the quinolinic acid rat model of Huntington's disease in rats. <b>1994</b> , 35, 329-35	36
1813	Reversal of early phenobarbital-induced cholinergic and related behavioral deficits by neuronal grafting. <b>1994</b> , 33, 273-9	16
1812	Selective reduction of hippocampal dentate frequency potentiation in aged rats with impaired place learning. <b>1994</b> , 35, 107-11	36
1811	Age-related deposition of glia-associated fibrillar material in brains of C57BL/6 mice. <b>1994</b> , 60, 875-89	67
1810	Persistent memory dysfunction is associated with bilateral hippocampal damage following experimental brain injury. <b>1994</b> , 168, 151-4	111
1809	Anti-ubiquitin immunoreactivity associates with pyramidal cell death induced by intraventricular infusion of leupeptin in rat hippocampus. <b>1994</b> , 19, 59-66	9
1808	Developmental Neurotoxicity Induced by Therapeutic and Illicit Drugs. <b>1994</b> , 102, 145	4
1807	Anterograde and retrograde tracing of projections from the ventral tegmental area to the hippocampal formation in the rat. <b>1994</b> , 33, 445-52	187

1806	Effect of transient reduction of cerebral blood flow on membrane anisotropy and lipid peroxidation in different rat brain areas. <b>1994</b> , 25, 161-8	13
1805	Mice deficient for the myelin-associated glycoprotein show subtle abnormalities in myelin. <b>1994</b> , 13, 229-46	332
1804	Behavioral deficits revealed by multiple tests in rats with ischemic damage limited to half of the CA1 sector of the hippocampus. <b>1994</b> , 34, 283-9	37
1803	Behavioural, histochemical and biochemical consequences of selective immunolesions in discrete regions of the basal forebrain cholinergic system. <b>1994</b> , 63, 95-122	304
1802	Complex neural architectures for emerging cognitive abilities in an autonomous system.	1
1801	A step linking memory to understanding?. <b>1994</b> , 17, 477-8	1
1800	Hippocampus and memory for time. <b>1994</b> , 17, 485-486	5
1799	What are the best strategies for understanding hippocampal function?. <b>1994</b> , 17, 494-495	
1798	Functional distinctions within the medial temporal lobe memory system: What is the evidence?. <b>1994</b> , 17, 495-496	18
1797	The localization of general memory functions. <b>1994</b> , 17, 482-482	1
1796	Stress, ageing and dementia. <b>1994</b> , 6, 73-83	3
1795	Place learning by three vole species ( <i>Microtus ochrogaster</i> , <i>M. montanus</i> , and <i>M. pennsylvanicus</i> ) in the Morris swim task. <b>1994</b> , 108, 179-88	21
1794	Ontogeny of contextual fear conditioning in rats: Implications for consolidation, infantile amnesia, and hippocampal system function.. <b>1994</b> , 108, 227-234	196
1793	Relation of spatial learning of rats in the Morris water maze task to the number of viable CA1 neurons following four-vessel occlusion.. <b>1994</b> , 108, 681-690	93
1792	Hippocampal and amygdaloid involvement in nonspatial and spatial working memory in rats: Effects of delay and interference.. <b>1994</b> , 108, 866-882	59
1791	Pre- and posttraining infusion of N-methyl-D-aspartate receptor antagonists into the amygdala impair memory in an inhibitory avoidance task.. <b>1994</b> , 108, 241-253	114
1790	DBA/2 and C57BL/6 mice differ in contextual fear but not auditory fear conditioning.. <b>1994</b> , 108, 810-817	248
1789	Context, conditioning, and hippocampal rerepresentation in animal learning.. <b>1994</b> , 108, 835-847	115

1788	Spatial localization in the Morris water maze in rats: Acquisition is affected by intra-accumbens injections of the dopaminergic antagonist haloperidol.. <b>1994</b> , 108, 927-934	100
1787	Recovery of sensorimotor function after distal middle cerebral artery photothrombotic occlusion in rats. <b>1994</b> , 25, 153-9	58
1786	Amygdala modulation of hippocampal-dependent and caudate nucleus-dependent memory processes. <b>1994</b> , 91, 8477-81	469
1785	An increase in dendritic spine density on hippocampal CA1 pyramidal cells following spatial learning in adult rats suggests the formation of new synapses. <b>1994</b> , 91, 12673-5	475
1784	Altered behavior and long-term potentiation in type I adenylyl cyclase mutant mice. <b>1995</b> , 92, 220-4	335
1783	The gene knockout technology for the analysis of learning and memory, and neural development. <b>1995</b> , 105, 3-14	17
1782	Future directions for rhodopsin structure and function studies. <b>1995</b> , 18, 403	6
1781	What are the mechanisms of photoreceptor adaptation?. <b>1995</b> , 18, 415	40
1780	Recoverin and Ca <sup>2+</sup> in vertebrate phototransduction. <b>1995</b> , 18, 425	3
1779	Do the calmodulin-stimulated adenylyl cyclases play a role in neuroplasticity?. <b>1995</b> , 18, 429	16
1778	The cGMP-gated channel of photoreceptor cells: Its structural properties and role in phototransduction. <b>1995</b> , 18, 441	11
1777	Correlation of phenotype with genotype in inherited retinal degeneration. <b>1995</b> , 18, 452	36
1776	Calcium/calmodulin-sensitive adenylyl cyclase as an example of a molecular associative integrator. <b>1995</b> , 18, 468	
1775	The determination of rhodopsin structure may require alternative approaches. <b>1995</b> , 18, 469	
1774	Mechanisms of photoreceptor degenerations. <b>1995</b> , 18, 470	
1773	Genetic and clinical heterogeneity in tapetal retinal dystrophies. <b>1995</b> , 18, 470	
1772	Molecular insights gained from covalently tethering cGMP to the ligand-binding sites of retinal rod cGMP-gated channels. <b>1995</b> , 18, 471	
1771	The structure of rhodopsin and mechanisms of visual adaptation. <b>1995</b> , 18, 472	

1770 The key to rhodopsin function lies in the structure of its interface with transducin. **1995**, 18, 473

1769 The atomic structure of visual rhodopsin: How and when?. **1995**, 18, 474

1768 Does calmodulin play a functional role in phototransduction?. **1995**, 18, 475

4

1767 Structure and physiology of photoreceptor cGMP-gated cation channels. **1995**, 18, 476

1

1766 Long term potentiation and CaM-sensitive adenylyl cyclase: Long-term prospects. **1995**, 18, 477

1765 Channel structure and divalent cation regulation of phototransduction. **1995**, 18, 478

1764 Linking genotypes with phenotypes in human retinal degenerations: Implications for future research and treatment. **1995**, 18, 478

1763 Unsolved issues in S-modulin/recoverin study. **1995**, 18, 479

1762 Crucial steps in photoreceptor adaptation: Regulation of phosphodiesterase and guanylate cyclase activities and Ca<sup>2+</sup>-buffering. **1995**, 18, 480

1761 Reduced cytoplasmic calcium concentration may be both necessary and sufficient for photoreceptor light adaptation. **1995**, 18, 481

1760 Gene therapy, regulatory mechanisms, and protein function in vision. **1995**, 18, 481

1

1759 Structure of the cGMP-gated channel. **1995**, 18, 482

1758 Recoverin is the tumor antigen in cancer-associated retinopathy. **1995**, 18, 483

4

1757 Adenylyl cyclase, G proteins, and synaptic plasticity. **1995**, 18, 484

1

1756 Regulation of adenylyl cyclase in LTP. **1995**, 18, 485

1

1755 Modulation of the cGMP-gated channel by calcium. **1995**, 18, 486

1754 Unique lipids and unique properties of retinal proteins. **1995**, 18, 486

1753 Na-Ca + K exchanger and Ca<sup>2+</sup> homeostasis in retinal rod outer segments: Inactivation of the Ca<sup>2+</sup> efflux mode and possible involvement of intracellular Ca<sup>2+</sup> stores in Ca<sup>2+</sup> homeostasis. **1995**, 18, 488

1752 A novel protein family of neuronal modulators. **1995**, 18, 489

1751 Glutamate accumulation in the photoreceptor-presumed final common path of photoreceptor cell death. **1995**, 18, 490

1750 The genetic kaleidoscope of vision. **1995**, 18, 490

1749 More answers about cGMP-gated channels pose more questions. **1995**, 18, 492

1748 Cyclic nucleotides as regulators of light-adaptation in photoreceptors. **1995**, 18, 493

1747 Is the lifetime of light-stimulated cGMP phosphodiesterase regulated by recoverin through its regulation of rhodopsin phosphorylation?. **1995**, 18, 494

1

1746 Future directions for rhodopsin structure and function studies. **1995**, 18, 495

1745 How many light adaptation mechanisms are there?. **1995**, 18, 496

1744 Recoverin, a calcium-binding protein in photoreceptors. **1995**, 18, 497

0

1743 Evidence that the type I adenylyl cyclase may be important for neuroplasticity: Mutant mice deficient in the gene for type I adenylyl cyclase show altered behavior and LTP. **1995**, 18, 498

1742 Further insight into the structural and regulatory properties of the cGMP-gated channel. **1995**, 18, 500

1741 Genetic and functional complexity of inherited retinal degeneration. **1995**, 18, 501

1

1740 Testing Mealey's model: The need to demonstrate an ESS and to establish the role of testosterone. **1995**, 18, 541

2

1739 The sociopath: Cheater or warrior hawk?. **1995**, 18, 542

39

1738 Continua outperform dichotomies. **1995**, 18, 543

40

1737 Sociopathy, evolution, and the brain. **1995**, 18, 544

1736 You can cheat people, but not nature!. **1995**, 18, 544

26

1735 Secondary sociopathy and opportunistic reproductive strategy. **1995**, 18, 545



1734 Group differences != individual differences. **1995**, 18, 546

1733 Putting cognition into sociopathy. **1995**, 18, 548

5

1732 Sociopathy or hyper-masculinity?. **1995**, 18, 548

1731 Cheaters never prosper, sometimes. **1995**, 18, 549

1730 Prisoner's Dilemma, Chicken, and mixedstrategy evolutionary equilibria. **1995**, 18, 550

2

1729 The sociopathy of sociobiology. **1995**, 18, 552

1

1728 A neuropsychology of deception and self-deception. **1995**, 18, 552

1727 The role of emotion in sociopathy: Contradictions and unanswered questions. **1995**, 18, 553

1726 Extending arousal theory and reflecting on biosocial approaches to social science. **1995**, 18, 554

3

1725 Sociopathy and sociobiology: Biological units and behavioral units. **1995**, 18, 555

1724 The epigenesis of sociopathy. **1995**, 18, 556

4

1723 Dust Stories and sociopathy. **1995**, 18, 557

1

1722 The primary/secondary distinction of psychopathy: A clinical perspective. **1995**, 18, 558

1721 Genes, hormones, and gender in sociopathy. **1995**, 18, 560

4

1720 Al Capone, discrete morphs, and complex dynamic systems. **1995**, 18, 560

3

1719 Fatherless rearing leads to sociopathy. **1995**, 18, 563

2

1718 Sociobiology, sociopathy, and social policy. **1995**, 18, 564

1717 Genetic issues in the sociobiology of sociopathy 1995, 18, 565

1716	Diathesis stress model or Just So Story?. 1995, 18, 565	3
1715	Adaptive and nonadaptive explanations of sociopathy. 1995, 18, 566	8
1714	Touchstones of abnormal personality theory. 1995, 18, 567	1
1713	On the brain and personality substrates of psychopathy. 1995, 18, 568	1
1712	Genetics and DNA polymorphisms. 1995, 18, 570	
1711	Emotions and sociopathy. 1995, 18, 570	2
1710	Psychopathy is a nonarbitrary class. 1995, 18, 571	5
1709	Psychopathy and violence: Arousal, temperament, birth complications, maternal rejection, and prefrontal dysfunction. 1995, 18, 571	5
1708	Evolution, mating effort, and crime. 1995, 18, 573	46
1707	Is sociopathy a type or not? Will the Real Sociopathy please stand up?. 1995, 18, 575	
1706	The role of attachment in the development and prevention of sociopathy. 1995, 18, 576	
1705	Sociopathy within and between small groups. 1995, 18, 577	36
1704	Moral judgments by alleged sociopaths as a means for coping with problems of definition and identification in Mealey's model. 1995, 18, 577	5
1703	Is the distinction between primary and secondary sociopaths a matter of degree, secondary traits, or nature vs. nurture?. 1995, 18, 578	3
1702	Primary sociopathy (psychopathy) is a type, secondary is not. 1995, 18, 579	34
1701	Processing attributes and judging objects. 1995, 18, 601	
1700	Arguments in favour of a psycho-psychophysics. 1995, 18, 602	
1699	Bias by stimuli presented before the start of an investigation. 1995, 18, 604	

1698 Psychophysical scaling: A conditional defense of  $R=f(I)$ . **1995**, 18, 605

1697 Weight and mass as psychophysical attributes. **1995**, 18, 606

1

1696 Psychophysical scaling methods reveal and measure context effects. **1995**, 18, 607

23

1695 The ontology of aspectual shape. **1995**, 18, 612

1694 Searle's argument that intentional states are conscious states. **1995**, 18, 614

1693 Token-identity, consciousness, and the connection principle. **1995**, 18, 615

42

1692 Nuclear magnetic resonance studies on the structure and function of rhodopsin. **1995**, 18, 488

1691 Psychopathology: Type or trait?. **1995**, 18, 555

40

1690 Pathways to sociopathy: Twin analyses offer direction. **1995**, 18, 574

1689 Implications of an evolutionary biopsychosocial model. **1995**, 18, 559

1688 An evaluation of Mealey's hypotheses based on psychopathy checklist: Identified groups. **1995**, 18, 562

17

1687 Spatial learning in male and female Long-Evans rats.. **1995**, 109, 180-183

99

1686 Entorhinal-perirhinal lesions impair performance of rats on two versions of place learning in the Morris water maze.. **1995**, 109, 3-9

110

1685 Medial prefrontal lesions in the rat and spatial navigation: Evidence for impaired planning.. **1995**, 109, 474-484

122

1684 Hippocampal and nonhippocampal contributions to place learning in rats.. **1995**, 109, 579-593

191

1683 Fornix-fimbria section and working memory deficits in rats: Stimulus complexity and stimulus size.. **1995**, 109, 594-606

39

1682 Spatial learning and memory as a function of age in the dog.. **1995**, 109, 851-858

126

1681 NEURAL NETWORKS. **1995**,

1

1680	Spatial learning with a minislab in the dorsal hippocampus. <b>1995</b> , 92, 9697-701	673
1679	Transgenic expression of human acetylcholinesterase induces progressive cognitive deterioration in mice. <b>1995</b> , 5, 1063-71	121
1678	References. <b>1995</b> , 91, 25-30	1
1677	Acute ethanol impairs spatial memory but not stimulus/response memory in the rat. <b>1995</b> , 19, 902-9	84
1676	Possible strategies for finding the substrate for learning-induced changes in the hippocampal cortex. <b>1995</b> , 26, 396-402	18
1675	Animal models of dementia. <b>1995</b> , 35, 214-229	22
1674	Simulation of spatial learning in the Morris water maze by a neural network model of the hippocampal formation and nucleus accumbens. <b>1995</b> , 5, 171-88	71
1673	Information acquired by the hippocampus interferes with acquisition of the amygdala-based conditioned-cue preference in the rat. <b>1995</b> , 5, 189-97	84
1672	Configural association theory and the hippocampal formation: an appraisal and reconfiguration. <b>1995</b> , 5, 375-89	315
1671	View-responsive neurons in the primate hippocampal complex. <b>1995</b> , 5, 409-24	186
1670	Similarities vs. differences in place learning and circadian activity in rats after fimbria-fornix section or ibotenate removal of hippocampal cells. <b>1995</b> , 5, 595-604	161
1669	An atlas of aromatase mRNA expression in the zebra finch brain. <b>1995</b> , 360, 172-84	152
1668	Long-term adrenalectomy. Effect on cognitive behavior. <b>1995</b> , 24, 235-9	1
1667	Injection of a minuscule dose of FeCl <sub>3</sub> within the ventrolateral striatum causes a chronic disturbance of the integrative function within the limbic part of the ventral striatum. <b>1995</b> , 9, 15-29	5
1666	The effects of d-cycloserine, a partial agonist at the glycine binding site, on spatial learning and working memory in scopolamine-treated rats. <b>1995</b> , 9, 133-44	31
1665	Cortical hypometabolism in injured brain: new correlations with the noradrenergic and serotonergic systems and with behavioral deficits. <b>1995</b> , 20, 1311-21	13
1664	Long-term spatial cognitive impairment after middle cerebral artery occlusion in rats: no involvement of the hippocampus. <b>1995</b> , 15, 1012-21	54
1663	A mouse model for Down syndrome exhibits learning and behaviour deficits. <b>1995</b> , 11, 177-84	739

1662	Distinct components of spatial learning revealed by prior training and NMDA receptor blockade. <i>Nature</i> , <b>1995</b> , 378, 182-6	50.4	541
1661	Spatial learning without NMDA receptor-dependent long-term potentiation. <i>Nature</i> , <b>1995</b> , 378, 186-9	50.4	310
1660	The effects of AMPA-induced lesions of the septo-hippocampal cholinergic projection on aversive conditioning to explicit and contextual cues and spatial learning in the water maze. <b>1995</b> , 7, 281-92		60
1659	Selective lesioning of the basal forebrain cholinergic system by intraventricular 192 IgG-saporin: behavioural, biochemical and stereological studies in the rat. <b>1995</b> , 7, 329-43		168
1658	The effects of AMPA-induced lesions of the medial septum and vertical limb nucleus of the diagonal band of Broca on spatial delayed non-matching to sample and spatial learning in the water maze. <b>1995</b> , 7, 1034-49		50
1657	PerAc: A neural architecture to control artificial animals. <b>1995</b> , 16, 291-320		65
1656	AF150(S): a new functionally selective M1 agonist improves cognitive performance in rats. <b>1995</b> , 51, 667-74		33
1655	Individual differences in hypothalamic-pituitary-adrenal activity in later life and hippocampal aging. <b>1995</b> , 30, 229-51		89
1654	Long-term effect of HU-211, a novel non-competitive NMDA antagonist, on motor and memory functions after closed head injury in the rat. <b>1995</b> , 674, 55-62		178
1653	Spatial discrimination learning and choline acetyltransferase activity in streptozotocin-treated rats: effects of chronic treatment with acetyl-L-carnitine. <b>1995</b> , 674, 142-6		38
1652	Protein kinase C in the hippocampus is altered by spatial but not cued discriminations: a component task analysis. <b>1995</b> , 676, 53-62		23
1651	Nitric oxide synthase inhibition does not impair visual or spatial discrimination learning. <b>1995</b> , 694, 177-82		30
1650	The antioxidant LY 231617 ameliorates functional and morphological sequelae induced by global ischemia in rats. <b>1995</b> , 694, 308-11		22
1649	Fimbria/fornix lesions facilitate the learning of a nonspatial response task. <b>1995</b> , 2, 113-6		50
1648	Rats with fimbria-fornix lesions display a place response in a swimming pool: a dissociation between getting there and knowing where. <b>1995</b> , 15, 5779-88		329
1647	Neuronal activity in the primate hippocampal formation during a conditional association task based on the subject's location. <b>1995</b> , 15, 4952-69		64
1646	Deficits in radial arm maze performance in kindled rats: evidence for long-lasting memory dysfunction induced by repeated brief seizures. <b>1995</b> , 15, 8295-301		75
1645	A novel cytochrome P450 expressed primarily in brain. <b>1995</b> , 270, 29739-45		127

1644	Nitric Oxide Signalling, Long-Term Potentiation and Long-Term Depression. <b>1995</b> , 125-150	8
1643	A model of parasagittal controlled cortical impact in the mouse: cognitive and histopathologic effects. <b>1995</b> , 12, 169-78	363
1642	Impaired gustatory neophobia following traumatic brain injury in rats. <b>1995</b> , 12, 307-14	15
1641	Effects of a period of asphyxia during birth on spatial learning in the rat. <b>1995</b> , 37, 489-96	76
1640	Cognitive decline associated with normal aging in rats: a neuropsychological approach. <b>1995</b> , 2, 1-16	82
1639	The sociobiology of sociopathy: An integrated evolutionary model. <b>1995</b> , 18, 523	742
1638	Systems and molecular genetic approaches converge to tackle learning and memory. <b>1995</b> , 15, 507-12	9
1637	Estrogen receptor mRNA alterations in the developing rat hippocampus. <b>1995</b> , 30, 115-24	63
1636	Hippocampal markers of age-related memory dysfunction: behavioral, electrophysiological and morphological perspectives. <b>1995</b> , 45, 223-52	264
1635	Behavioural deficits in adult rats following long-term adrenalectomy. <b>1995</b> , 194, 49-52	21
1634	Estrus-associated decrements in a water maze task are limited to acquisition. <b>1995</b> , 57, 5-14	237
1633	Stress-induced disturbances in Morris water-maze performance: interstrain variability. <b>1995</b> , 58, 57-65	121
1632	A comparison of rats and mice in a swimming pool place task and matching to place task: some surprising differences. <b>1995</b> , 58, 687-93	115
1631	Spatial learning ability of rats following acute exposure to alcohol during early postnatal life. <b>1995</b> , 58, 1013-20	35
1630	Age-related spatial reference and working memory deficits assessed in the water maze. <b>1995</b> , 16, 149-60	270
1629	Posthatching development of preproenkephalin mRNA-expressing cell populations in the pigeon telencephalon. <b>1995</b> , 84, 233-44	4
1628	Developmental exposure to ozone induces subtle changes in swimming navigation of adult mice. <b>1995</b> , 81, 91-9	3
1627	8-OH-DPAT impairs spatial but not visual learning in a water maze by stimulating 5-HT <sub>1A</sub> receptors in the hippocampus. <b>1995</b> , 67, 67-74	83

1626	A comparison of the effects of anterior thalamic, mamillary body and fornix lesions on reinforced spatial alternation. <b>1995</b> , 68, 91-101	169
1625	Water maze performance of aged Sprague-Dawley rats in relation to retinal morphologic measures. <b>1995</b> , 68, 139-50	42
1624	Sleep states and memory processes. <b>1995</b> , 69, 137-45	416
1623	An NMDA receptor antagonist reduces ethanol preference in untrained but not trained rats. <b>1995</b> , 36, 421-4	7
1622	Glucocorticoids, hippocampal corticosteroid receptor gene expression and antidepressant treatment: relationship with spatial learning in young and aged rats. <b>1995</b> , 66, 571-81	143
1621	Posttreatment with EPC-K1, an inhibitor of lipid peroxidation and of phospholipase A2 activity, reduces functional deficits after global ischemia in rats. <b>1995</b> , 36, 257-60	38
1620	Cholinergic markers in aged cognitively impaired Long-Evans rats. <b>1995</b> , 67, 277-92	69
1619	Concurrent blockade of hippocampal metabotropic glutamate and N-methyl-D-aspartate receptors disrupts working memory in the rat. <b>1996</b> , 70, 303-11	29
1618	The parahippocampus subserves topographical learning in man. <b>1996</b> , 3, S527	4
1617	A model of spatial map formation in the hippocampus of the rat. <b>1996</b> , 8, 85-93	290
1616	Long-term potentiation and learning. <b>1996</b> , 47, 173-203	186
1615	Neurobiological substrates of behavioral decline: models and data analytic strategies for individual differences in aging. <b>1996</b> , 17, 491-5	71
1614	Individual differences in aging: implications for stereological studies of neuron loss. <b>1996</b> , 17, 495-6; discussion 500	11
1613	Age-related decrease in cholinergic synaptic transmission in three hippocampal subfields. <b>1996</b> , 17, 439-51	83
1612	Whole-body rotations enhance hippocampal theta rhythmic slow activity in awake rats passively transported on a mobile robot. <b>1996</b> , 781, 385-98	29
1611	Psychological stress impairs spatial working memory: Relevance to electrophysiological studies of hippocampal function.. <b>1996</b> , 110, 661-672	282
1610	Inhibition of cortical acetylcholine release and cognitive performance by histamine H3 receptor activation in rats. <b>1996</b> , 119, 1656-64	178
1609	Age-related morphological changes in the hippocampus in two mouse strains. <b>1996</b> , 87, 155-64	6

1608	Differential effects of learning and recall of a spatial task on phosphoinositide hydrolysis induced by the metabotropic glutamate receptor agonist 1S,3R-ACPD (1S,3R-1-amino-cyclopentane-1,3-dicarboxylic acid) in the hippocampus and the prefrontal cortex of rats. <b>1996</b> , 204, 57-60	4
1607	Memantine reduces functional and morphological consequences induced by global ischemia in rats. <b>1996</b> , 208, 41-4	53
1606	Spatial learning and hippocampal long-term potentiation are not impaired in mdx mice. <b>1996</b> , 211, 207-10	45
1605	Age-related changes in diurnal acetylcholine release in the prefrontal cortex of male rats as measured by microdialysis. <b>1996</b> , 72, 429-34	56
1604	Contrasting effects of fetal CA1 and CA3 hippocampal grafts on deficits in spatial learning and working memory induced by global cerebral ischaemia in rats. <b>1996</b> , 72, 959-88	74
1603	In vitro autoradiography of ionotropic glutamate receptors in hippocampus and striatum of aged Long-Evans rats: relationship to spatial learning. <b>1996</b> , 74, 741-56	74
1602	Spatial memory impairment induced by lesion of the mesohippocampal dopaminergic system in the rat. <b>1996</b> , 74, 1037-44	155
1601	Effects of cue manipulation on performance by old and young rats in a test of non-matching-to-sample. <b>1996</b> , 37, 157-65	
1600	Maze procedures: the radial-arm and water maze compared. <b>1996</b> , 3, 167-81	317
1599	Developmental neurotoxicity of four ortho-substituted polychlorinated biphenyls in the neonatal mouse. <b>1996</b> , 1, 155-65	92
1598	Neural grafting of cholinergic neurons in the hippocampal formation. <b>1996</b> , 74, 25-44	21
1597	Effects of an electrolytic lesion of the prelimbic area on anxiety-related and cognitive tasks in the rat. <b>1996</b> , 79, 51-9	58
1596	Neurotoxic lesions of the perirhinal cortex do not mimic the behavioural effects of fornix transection in the rat. <b>1996</b> , 80, 9-25	331
1595	Telencephalic ablation in goldfish impairs performance in a 'spatial constancy' problem but not in a cued one. <b>1996</b> , 79, 193-200	95
1594	The effects of discrete cingulum bundle lesions in the rat on the acquisition and performance of two tests of spatial working memory. <b>1996</b> , 80, 75-85	54
1593	A selective role for dopamine in the nucleus accumbens of the rat in random foraging but not delayed spatial win-shift-based foraging. <b>1996</b> , 80, 161-8	49
1592	Effects of chronic substance P treatment and intracranial fetal grafts on learning after hippocampal kainic acid lesions. <b>1996</b> , 17, 275-85	16
1591	In vitro hippocampal dentate frequency potentiation induction as model to detect electrophysiological correlates of some cognitive impairments in striatally-lesioned rats. <b>1996</b> , 20, 999-1010	



1590	Equivalent performance in the water maze by rats with an inborn high or low learning capacity in a shuttle box paradigm. <b>1996</b> , 59, 209-12	
1589	Spatial learning in a Z-maze by cerebellar mutant mice. <b>1996</b> , 59, 83-6	24
1588	Effect of the noncompetitive N-methyl-D-aspartate (NMDA) receptor antagonist MK-801 on food-anticipatory activity rhythm in the rat. <b>1996</b> , 59, 585-9	20
1587	Septal lesions impair rats' Morris test performance but facilitate left-right response differentiation. <b>1996</b> , 60, 895-900	11
1586	The muscarinic acetylcholine antagonist scopolamine impairs short-distance homing pigeon navigation. <b>1996</b> , 60, 1057-61	11
1585	Tiagabine prevents seizures, neuronal damage and memory impairment in experimental status epilepticus. <b>1996</b> , 299, 69-81	58
1584	Reduction of postischemic brain damage and memory deficits following treatment with the selective adenosine A1 receptor agonist. <b>1996</b> , 302, 43-8	37
1583	Behavioral characterization of quinolinate-induced lesions of the medial striatum: relevance for Huntington's disease. <b>1996</b> , 138, 158-68	68
1582	Bacterial alkaloids mitigate seizure-induced hippocampal damage and spatial memory deficits. <b>1996</b> , 141, 287-96	22
1581	Dissociation of hippocampal and striatal contributions to spatial navigation in the water maze. <b>1996</b> , 66, 305-23	191
1580	Hippocampal lesions impair contextual fear conditioning in two strains of mice.. <b>1996</b> , 110, 1177-1180	98
1579	Spatial learning and memory: the beginning of a dream. <b>1996</b> , 87, 1147-8	28
1578	The essential role of hippocampal CA1 NMDA receptor-dependent synaptic plasticity in spatial memory. <b>1996</b> , 87, 1327-38	1434
1577	Impaired hippocampal representation of space in CA1-specific NMDAR1 knockout mice. <b>1996</b> , 87, 1339-49	507
1576	Effects of the metabotropic glutamate receptor antagonist MCPG on spatial and context-specific learning. <b>1996</b> , 35, 1557-65	47
1575	Of mice and mazes: similarities between mice and rats on dry land but not water mazes. <b>1996</b> , 60, 1191-7	197
1574	Acute behavioral effects of MK-801 in the mouse. <b>1996</b> , 53, 701-11	40
1573	Space and the hippocampal formation in humans. <b>1996</b> , 40, 487-90	26

1572	Effect of Hachimi-jio-gan on scopolamine-induced memory impairment and on acetylcholine content in rat brain. <b>1996</b> , 50, 77-84	27
1571	Transient, learning-induced ultrastructural change in spatially-clustered dentate granule cells of the adult rat hippocampus. <b>1997</b> , 76, 55-62	27
1570	Mice, gene targeting and behaviour: more than just genetic background. <b>1996</b> , 19, 183-6; discussion 188-9	130
1569	The effect of continuous intraventricular infusion of L1 and NCAM antibodies on spatial learning in rats. <b>1996</b> , 81, 81-7	106
1568	Effects of low doses of physostigmine on avoidance learning and EEG in two strains of mice. <b>1996</b> , 81, 155-61	10
1567	Kindling of hippocampal field CA1 impairs spatial learning and retention in the Morris water maze. <b>1996</b> , 82, 57-66	40
1566	An experimental model of closed head injury in mice: pathophysiology, histopathology, and cognitive deficits. <b>1996</b> , 13, 557-68	293
1565	Apolipoprotein B RNA editing enzyme-deficient mice are viable despite alterations in lipoprotein metabolism. <b>1996</b> , 93, 7154-9	75
1564	Cognitive graphs, resistive grids, and the hippocampal representation of space. <b>1996</b> , 107, 659-62	13
1563	Differential regulation of NMDAR1 mRNA and protein by estradiol in the rat hippocampus. <b>1996</b> , 16, 6830-8	333
1562	Steel mutant mice are deficient in hippocampal learning but not long-term potentiation. <b>1996</b> , 93, 1808-13	82
1561	Hippocampus, delay neurons, and sensory heterogeneity. <b>1996</b> , 19, 766-767	30
1560	The hunting of the hippocampal function. <b>1996</b> , 19, 767-768	1
1559	Recovered consciousness: A proposal for making consciousness integral to neuropsychological theories of memory in humans and nonhumans. <b>1996</b> , 19, 768-770	1
1558	Sequential processing of Items and Relations <b>1996</b> , 19, 770-771	
1557	The hippocampus seen in the context of declarative and procedural control. <b>1996</b> , 19, 771-772	1
1556	The hippocampal system: Dissociating its functional components and recombining them in the service of declarative memory. <b>1996</b> , 19, 772-776	3
1555	Neuroprotective strategy for Alzheimer disease: intranasal administration of a fatty neuropeptide. <b>1996</b> , 93, 427-32	153

1554	Ischemia-induced object-recognition deficits in rats are attenuated by hippocampal ablation before or soon after ischemia.. <b>1996</b> , 110, 266-281	99
1553	The effects of dorsal versus ventral hippocampal, total hippocampal, and parietal cortex lesions on memory for allocentric distance in rats.. <b>1996</b> , 110, 922-932	57
1552	Spatial learning and memory deficits after telencephalic ablation in goldfish trained in place and turn maze procedures.. <b>1996</b> , 110, 965-980	111
1551	Ontogeny of place learning in children as measured in the Radial Arm Maze, Morris Search Task, and Open Field Task.. <b>1996</b> , 110, 1205-1228	181
1550	Developmental differences in place-learning performance between C57BL/6 and DBA/2 mice parallel the ontogeny of hippocampal protein kinase C.. <b>1996</b> , 110, 1415-1425	62
1549	Acidic and Basic Fibroblast Growth Factors Improve Spatial Learning Impaired by Fimbria-fornix Lesion in Rat.. <b>1996</b> , 72, 67-72	1
1548	Preserved neuron number in the hippocampus of aged rats with spatial learning deficits. <b>1996</b> , 93, 9926-30	523
1547	Chronic stress impairs rat spatial memory on the Y maze, and this effect is blocked by tianeptine treatment.. <b>1996</b> , 110, 1321-1334	598
1546	Basolateral amygdala lesions block glucocorticoid-induced modulation of memory for spatial learning.. <b>1996</b> , 110, 1074-1083	143
1545	Long-term effects of excitatory amino acid antagonists NBQX and MK-801 on the developing brain. <b>1996</b> , 95, 256-62	12
1544	Recurrent seizures in immature rats: effect on auditory and visual discrimination. <b>1996</b> , 95, 283-92	54
1543	Spatial learning in rats exposed to acute ethanol intoxication on gestational day 8. <b>1996</b> , 53, 361-7	24
1542	Reduced evoked release of acetylcholine in the rodent hippocampus following traumatic brain injury. <b>1996</b> , 53, 679-86	79
1541	Alternating lever cyclic-ratio schedule analysis of the effects of atropine sulfate. <b>1996</b> , 54, 753-7	15
1540	Stage-specific effects of prenatal d-methamphetamine exposure on behavioral and eye development in rats. <b>1996</b> , 18, 199-215	109
1539	Spatial locations gone awry: object and spatial memory deficits in children with fetal alcohol syndrome. <b>1996</b> , 34, 209-23	155
1538	The effects of a single neonatally induced convulsion on spatial navigation, locomotor activity and convulsion susceptibility in the adult rat. <b>1996</b> , 706, 155-9	20
1537	The memory-modulatory effects of glucocorticoids depend on an intact stria terminalis. <b>1996</b> , 709, 243-50	88

1536	Effects of reversible inactivations of the medial septal area on reference and working memory versions of the Morris water maze. <b>1996</b> , 709, 131-40	41
1535	Spatial learning alters hippocampal calcium/calmodulin-dependent protein kinase II activity in rats. <b>1996</b> , 711, 234-40	54
1534	Effects of LY231617 and angiotensin IV on ischemia-induced deficits in circular water maze and passive avoidance performance in rats. <b>1996</b> , 717, 1-11	60
1533	Deferoxamine improves spatial memory performance following experimental brain injury in rats. <b>1996</b> , 717, 109-17	70
1532	Effects of discrete kainic acid-induced hippocampal lesions on spatial and contextual learning and memory in rats. <b>1996</b> , 716, 29-38	186
1531	The neurochemical and behavioral effects of beta-amyloid peptide(25-35). <b>1996</b> , 720, 54-60	63
1530	Comparative, in vitro, studies of hippocampal tissue from homing and non-homing pigeon. <b>1996</b> , 725, 199-206	38
1529	Chlordiazepoxide improves the performance of septal lesioned but not hippocampal lesioned animals in a Morris maze. <b>1996</b> , 725, 257-262	
1528	Mechanism of altered synaptic strength due to experience: relation to long-term potentiation. <b>1996</b> , 736, 243-50	108
1527	The use of null mutant mice to study complex learning and memory processes. <b>1996</b> , 26, 301-12	34
1526	Differential effect of antipsychotics on place navigation of rats in the Morris water maze. A comparative study between novel and reference antipsychotics. <b>1996</b> , 124, 126-33	96
1525	Relationship between up-regulation of nicotine binding sites in rat brain and delayed cognitive enhancement observed after chronic or acute nicotinic receptor stimulation. <b>1996</b> , 124, 323-31	74
1524	Effects of midline and lateral cerebellar lesions on motor coordination and spatial orientation. <b>1996</b> , 739, 1-11	80
1523	Delayed, selective neuronal death following experimental cortical impact injury in rats: possible role in memory deficits. <b>1996</b> , 739, 111-9	172
1522	Dextromethorphan reduces functional deficits and neuronal damage after global ischemia in rats. <b>1996</b> , 741, 153-9	26
1521	Developmental and behavioral effects of prenatal primidone exposure in the rat. <b>1996</b> , 55, 481-7	7
1520	Ethanol alters spatial processing of hippocampal place cells: a mechanism for impaired navigation when intoxicated. <b>1996</b> , 20, 404-7	53
1519	Effects of alcohol exposure and artificial rearing during development on septal and hippocampal neurotransmitters in adult rats. <b>1996</b> , 20, 670-6	17

1518	Dynamics of hippocampal memory formation in waking and sleep states. <b>1996</b> , 90, 351-2	1
1517	Impaired learning in mice with abnormal short-lived plasticity. <b>1996</b> , 6, 1509-18	157
1516	Transgenic mouse model for the fragile X syndrome. <b>1996</b> , 64, 241-5	132
1515	Long-term potentiation in the hippocampus of fragile X knockout mice. <b>1996</b> , 64, 246-51	132
1514	Importance of strain differences in evaluations of learning and memory processes in null mutants. <b>1996</b> , 2, 243-248	34
1513	The polysialic acid modification of the neural cell adhesion molecule is involved in spatial learning and hippocampal long-term potentiation. <b>1996</b> , 45, 143-52	273
1512	Evidence for extrahippocampal involvement in place learning and hippocampal involvement in path integration. <b>1996</b> , 6, 513-24	115
1511	Ischemic brain damage and memory impairment: a commentary. <b>1996</b> , 6, 546-52	121
1510	Attention, configuration, and hippocampal function. <b>1996</b> , 6, 621-42	38
1509	Memory for places: a navigational model in support of Marr's theory of hippocampal function. <b>1996</b> , 6, 735-48	54
1508	Neuronal computations underlying the firing of place cells and their role in navigation. <b>1996</b> , 6, 749-62	217
1507	Malnutrition and reactivity to drugs acting in the central nervous system. <b>1996</b> , 20, 389-402	73
1506	Hippocampal participation in the sun compass orientation of phase-shifted homing pigeons. <b>1996</b> , 179, 695-702	7
1505	Spatial memory disturbance after focal cerebral ischemia in rats. <b>1996</b> , 16, 973-80	75
1504	Conservation of hippocampal memory function in rats and humans. <i>Nature</i> , <b>1996</b> , 379, 255-7	50.4 550
1503	Geometric determinants of the place fields of hippocampal neurons. <i>Nature</i> , <b>1996</b> , 381, 425-8	50.4 828
1502	The effects of lesions to the mammillary region and the hippocampus on conditional associative learning by rats. <b>1996</b> , 8, 106-15	48
1501	Effects of the uncompetitive NMDA receptor antagonist memantine on hippocampal long-term potentiation, short-term exploratory modulation and spatial memory in awake, freely moving rats. <b>1996</b> , 8, 565-71	120

1500	Cerebellar contribution to spatial event processing: Morris water maze and T-maze. <b>1996</b> , 8, 1882-96	121
1499	Spatial Representation for Navigation in Animals. <b>1996</b> , 4, 85-123	42
1498	The parahippocampus subserves topographical learning in man. <b>1996</b> , 6, 823-9	523
1497	Temporally graded retrograde amnesia following separate and combined lesions of the perirhinal cortex and fornix in the rat. <b>1996</b> , 3, 313-25	62
1496	Ethanol Impairs Spatial Cognitive Processing: New Behavioral and Electrophysiological Findings. <b>1996</b> , 5, 111-115	16
1495	Multiple spatial/behavioral correlates for cells in the rat postsubiculum: multiple regression analysis and comparison to other hippocampal areas. <b>1996</b> , 6, 238-59	95
1494	The neuroscience of spatial navigation: focus on behavior yields advances. <b>1996</b> , 7, 215-31	61
1493	Riluzole, a novel neuroprotective agent, attenuates both neurologic motor and cognitive dysfunction following experimental brain injury in the rat. <b>1996</b> , 13, 767-80	71
1492	Dorsal striatal lesions in rats. 2: Effects on spatial and non-spatial learning. <b>1996</b> , 104, 307-12	20
1491	Place learning and hippocampal synaptic plasticity in streptozotocin-induced diabetic rats. <b>1996</b> , 45, 1259-66	329
1490	Associative synaptic plasticity in hippocampus and visual cortex: cellular mechanisms and functional implications. <b>1996</b> , 7, 29-46	20
1489	Serotonin, aging and cognitive functions of the hippocampus. <b>1996</b> , 7, 103-13	43
1488	A specific role for the right parahippocampal gyrus in the retrieval of object-location: a positron emission tomography study. <b>1996</b> , 8, 588-602	124
1487	Double dissociation of hippocampal and dorsal-striatal memory systems by posttraining intracerebral injections of 2-amino-5-phosphonopentanoic acid.. <b>1997</b> , 111, 543-551	141
1486	Visuospatial abilities. <b>1997</b> , 41, 191-215	13
1485	Spatial event processing. <b>1997</b> , 41, 217-30	14
1484	Memory for items and memory for relations in the procedural/declarative memory framework. <b>1997</b> , 5, 131-78	292
1483	Molecular genetic analysis of synaptic plasticity, activity-dependent neural development, learning, and memory in the mammalian brain. <b>1997</b> , 20, 157-84	251

1482	Animal models of memory impairment. <b>1997</b> , 352, 1711-7	17
1481	Head direction cells and episodic spatial information in rats without a hippocampus. <b>1997</b> , 94, 7645-50	74
1480	Relationship between change of movement direction and activity of hippocampal place cells. <b>1997</b> , 8, 3207-11	
1479	Impaired spatial information processing in aged monkeys with preserved recognition memory. <b>1997</b> , 8, 1923-8	89
1478	Intra-hippocampal estradiol infusion enhances memory in ovariectomized rats. <b>1997</b> , 8, 3009-13	140
1477	Lesions of the posterior insular cortex impair water maze performance in the rat. <b>1997</b> , 90, 1-7	3
1476	Blocking in the spatial domain.. <b>1997</b> , 23, 110-118	56
1475	Stimulus configuration, occasion setting and the hippocampus.. <b>1997</b> , 111, 235-258	31
1474	Impaired place learning and unimpaired cue learning in hippocampal-lesioned pigeons. <b>1997</b> , 111, 963-75	84
1473	Differential effects of ibotenic acid lesions of the hippocampus and blockade of N-methyl-{d}-aspartate receptor-dependent long-term potentiation on contextual processing in rats.. <b>1997</b> , 111, 1171-1183	21
1472	Disruption of spatial but not object-recognition memory by neurotoxic lesions of the dorsal hippocampus in rats.. <b>1997</b> , 111, 1184-1196	119
1471	Delayed spontaneous alternation in intact and cerebellectomized control and lurcher mutant mice: Differential role of cerebellar cortex and deep cerebellar nuclei.. <b>1997</b> , 111, 214-218	33
1470	Disruption of the dopamine hydroxylase gene in mice suggests roles for norepinephrine in motor function, learning, and memory.. <b>1997</b> , 111, 579-589	86
1469	The hippocampus and memory for orderly stimulus relations. <b>1997</b> , 94, 7109-14	448
1468	Antisense oligodeoxynucleotide-mediated disruption of hippocampal cAMP response element binding protein levels impairs consolidation of memory for water maze training. <b>1997</b> , 94, 2693-8	428
1467	Place cells and place navigation. <b>1997</b> , 94, 343-50	103
1466	Methods for detecting long-term CNS dysfunction after prenatal exposure to neurotoxins. <b>1997</b> , 20, 387-99	27
1465	Motor and cognitive functional deficits following diffuse traumatic brain injury in the immature rat. <b>1997</b> , 14, 99-108	103

1464	Intraretrosplenial cortical grafts of fetal cholinergic neurons and the restoration of spatial memory function. <b>1997</b> , 6, 85-93	8
1463	Embryonic transplantation and ischemic memory deficit. <b>1997</b> , 27, 249-55	16
1462	Declarative memory: insights from cognitive neurobiology. <b>1997</b> , 48, 547-72	303
1461	Right medial temporal-lobe contribution to object-location memory. <b>1997</b> , 352, 1469-74	71
1460	Robotic and neuronal simulation of the hippocampus and rat navigation. <b>1997</b> , 352, 1535-43	89
1459	Hippocampal lesions cause learning deficits in inbred mice in the Morris water maze and conditioned-fear task.. <b>1997</b> , 111, 104-113	327
1458	How does the brain organize memories?. <b>1997</b> , 277, 330-2	122
1457	Measuring memory in a mouse model of Alzheimer's disease. <b>1997</b> , 277, 839-41	23
1456	A missing link? LTP and learning. <b>1997</b> , 278, 401-2	36
1455	A proposed test battery and constellations of specific behavioral paradigms to investigate the behavioral phenotypes of transgenic and knockout mice. <b>1997</b> , 31, 197-211	479
1454	Stability of spatial working memory across the estrous cycle of Long-Evans rats. <b>1997</b> , 67, 167-71	120
1453	Differential effects of global ischemia on delayed matching- and non-matching-to-position tasks in the water maze and Skinner box. <b>1997</b> , 67, 228-47	9
1452	Strategies used by hippocampal- and caudate-putamen-lesioned rats in a learning task. <b>1997</b> , 68, 32-41	87
1451	Posttraining injections of MK-801 produce a time-dependent impairment of memory in two water maze tasks. <b>1997</b> , 68, 42-50	58
1450	Retrieval of overtrained place navigation during occlusion of one eye and ipsi- or contralateral blockade of relevant brain centers in rats. <b>1997</b> , 68, 60-7	1
1449	Reliability, distribution, and validity of age-related cognitive deficits in the Morris water maze. <b>1997</b> , 68, 203-20	149
1448	Posttraining estradiol injections enhance memory in ovariectomized rats: cholinergic blockade and synergism. <b>1997</b> , 68, 172-88	156
1447	The flexible use of multiple cue relationships in spatial navigation: a comparison of water maze performance following hippocampal, medial septal, prefrontal cortex, or posterior parietal cortex lesions. <b>1997</b> , 68, 117-32	55



1446	Central cholinergic systems and cognition. <b>1997</b> , 48, 649-84	1240
1445	Hippocampal lesions and path integration. <b>1997</b> , 7, 228-34	158
1444	Spatial and temporal cognitive mapping: a neural network approach. <b>1997</b> , 1, 109-14	4
1443	Genetic demonstration of a role for PKA in the late phase of LTP and in hippocampus-based long-term memory. <b>1997</b> , 88, 615-26	1023
1442	The effects of age on continuous learning in the radial maze. <b>1997</b> , 61, 609-12	9
1441	Effects of a single intraseptal injection of NGF on spatial learning in the water maze. <b>1997</b> , 62, 69-76	8
1440	Altered NMDA sensitivity and learning following chronic developmental NMDA antagonism. <b>1997</b> , 62, 955-62	30
1439	Ultrastructural synaptic correlates of spatial learning in rat hippocampus. <b>1997</b> , 80, 69-77	85
1438	Differential metabolism of dynorphins in substantia nigra, striatum, and hippocampus. <b>1997</b> , 18, 949-56	19
1437	Cytokine production in the brain following closed head injury: dexanabinol (HU-211) is a novel TNF-alpha inhibitor and an effective neuroprotectant. <b>1997</b> , 72, 169-77	291
1436	Testing hypotheses of spatial learning: the role of NMDA receptors and NMDA-mediated long-term potentiation. <b>1997</b> , 84, 179-93	61
1435	Response learning of rats in a Morris water maze: involvement of the medial prefrontal cortex. <b>1997</b> , 85, 47-55	68
1434	Comparison of effects of global cerebral ischaemia on spatial learning in the standard and radial water maze: relationship of hippocampal damage to performance. <b>1997</b> , 85, 93-115	53
1433	Effects of extended electrical kindling on exploratory behavior and spatial learning. <b>1997</b> , 89, 179-90	30
1432	Piloting and dead reckoning dissociated by fimbria-fornix lesions in a rat food carrying task. <b>1997</b> , 89, 87-97	95
1431	The effect of nonspatial water maze pretraining in rats subjected to serotonin depletion and muscarinic receptor antagonism: a detailed behavioural assessment of spatial performance. <b>1997</b> , 88, 201-11	57
1430	The effects of lesions to thalamic lateral internal medullary lamina and posterior nuclei on learning, memory and habituation in the rat. <b>1997</b> , 82, 133-47	70
1429	Dose-related impairment of spatial learning by intrahippocampal scopolamine: antagonism by ondansetron, a 5-HT3 receptor antagonist. <b>1997</b> , 82, 185-94	61

1428	Effect of active fragments of arginine-vasopressin on the disturbance of spatial cognition in rats. <b>1997</b> , 83, 91-6	33
1427	Biologically based artificial navigation systems: review and prospects. <b>1997</b> , 51, 483-544	271
1426	Antidepressants restore hypothalamic-pituitary-adrenal feedback function in aged, cognitively-impaired rats. <b>1997</b> , 18, 527-33	29
1425	The relationship between monkey hippocampus place-related neural activity and action in space. <b>1997</b> , 226, 57-60	50
1424	Developmental lead exposure causes spatial learning deficits in adult rats. <b>1997</b> , 233, 101-4	113
1423	The dorsal locus coeruleus is larger in male than in female Sprague-Dawley rats. <b>1997</b> , 224, 157-60	18
1422	Pain processing during three levels of noxious stimulation produces differential patterns of central activity. <b>1997</b> , 73, 431-445	472
1421	Mildly impaired water maze performance in male Fmr1 knockout mice. <b>1997</b> , 76, 367-76	168
1420	Basic fibroblast growth factor is highly neuroprotective against seizure-induced long-term behavioural deficits. <b>1997</b> , 76, 1129-38	31
1419	Electrophysiological changes in rat hippocampal pyramidal neurons produced by cholecystokinin octapeptide. <b>1997</b> , 78, 1005-16	28
1418	Motor and cognitive deficits in apolipoprotein E-deficient mice after closed head injury. <b>1997</b> , 80, 1255-62	192
1417	Comparison of NADPH diaphorase histochemistry, somatostatin immunohistochemistry, and silver impregnation in detecting structural and functional impairment in experimental status epilepticus. <b>1997</b> , 80, 105-17	16
1416	Assessment of learning by the Morris water task and fear conditioning in inbred mouse strains and F1 hybrids: implications of genetic background for single gene mutations and quantitative trait loci analyses. <b>1997</b> , 80, 1087-99	308
1415	Global ischemic neuronal damage relates to behavioural deficits: a pharmacological approach. <b>1998</b> , 82, 791-803	32
1414	Brain aging: changes in the nature of information coding by the hippocampus. <b>1997</b> , 17, 5155-66	142
1413	Intraretrosplenial Cortical Grafts of Fetal Cholinergic Neurons and the Restoration of Spatial Memory Function. <b>1997</b> , 6, 85-93	6
1412	Brain aging: impaired coding of novel environmental cues. <b>1997</b> , 17, 5167-74	106
1411	Calcium channel density and hippocampal cell death with age in long-term culture. <b>1997</b> , 17, 5629-39	122

1410	The effect of aging on experience-dependent plasticity of hippocampal place cells. <b>1997</b> , 17, 6769-82	161
1409	Reversible antisense inhibition of Shaker-like Kv1.1 potassium channel expression impairs associative memory in mouse and rat. <b>1997</b> , 94, 4430-4	71
1408	Failure of centrally placed objects to control the firing fields of hippocampal place cells. <b>1997</b> , 17, 2531-42	164
1407	Disruption of decrements in conditioned stimulus processing by selective removal of hippocampal cholinergic input. <b>1997</b> , 17, 5230-6	139
1406	Disruption of the metallothionein-III gene in mice: analysis of brain zinc, behavior, and neuron vulnerability to metals, aging, and seizures. <b>1997</b> , 17, 1271-81	226
1405	Basolateral amygdala lesions block the memory-enhancing effect of glucocorticoid administration in the dorsal hippocampus of rats. <b>1997</b> , 9, 76-83	239
1404	Nociceptin/orphanin FQ microinjected into hippocampus impairs spatial learning in rats. <b>1997</b> , 9, 194-7	211
1403	Experience-dependent facilitating effect of corticosterone on spatial memory formation in the water maze. <b>1997</b> , 9, 637-42	320
1402	Spatial learning deficits in mice with a targeted glucocorticoid receptor gene disruption. <b>1997</b> , 9, 2284-96	95
1401	Multiple kainic acid seizures in the immature and adult brain: ictal manifestations and long-term effects on learning and memory. <b>1997</b> , 38, 1157-66	69
1400	Stress-activated hormonal systems and the regulation of memory storage. <b>1997</b> , 821, 247-58	71
1399	A mouse model for the learning and memory deficits associated with neurofibromatosis type I. <b>1997</b> , 15, 281-4	278
1398	Functional screening of 2 Mb of human chromosome 21q22.2 in transgenic mice implicates minibrain in learning defects associated with Down syndrome. <b>1997</b> , 16, 28-36	271
1397	A role for the Ras signalling pathway in synaptic transmission and long-term memory. <i>Nature</i> , <b>1997</b> , 390, 281-6	50.4 419
1396	Defective limbic system in mice lacking the tailless gene. <i>Nature</i> , <b>1997</b> , 390, 515-7	50.4 159
1395	Multistability of cognitive maps in the hippocampus of old rats. <i>Nature</i> , <b>1997</b> , 388, 272-5	50.4 283
1394	cAMP-induced switching in turning direction of nerve growth cones. <i>Nature</i> , <b>1997</b> , 388, 275-9	50.4 528
1393	Behavioral and neuroendocrine responses controlled by the concerted action of central mineralocorticoid (MRS) and glucocorticoid receptors (GRS). <b>1997</b> , 22 Suppl 1, S87-93	64

1392	Morphofunctional effects of moderate forebrain ischemia combined with short-term hypoxia in rats--protective effects of Cerebrolysin. <b>1997</b> , 49, 29-37	19
1391	Spaced training induces normal long-term memory in CREB mutant mice. <b>1997</b> , 7, 1-11	293
1390	Memory and behavior: a second generation of genetically modified mice. <b>1997</b> , 7, R580-9	52
1389	Perinatal manganese exposure: behavioral, neurochemical, and histopathological effects in the rat. <b>1997</b> , 19, 17-25	68
1388	Neonatal binge ethanol exposure using intubation: timing and dose effects on place learning. <b>1997</b> , 19, 435-46	135
1387	Spatial memory deficits in patients with unilateral damage to the right hippocampal formation. <b>1997</b> , 35, 11-24	237
1386	The peripheral benzodiazepine receptor is a sensitive indicator of domoic acid neurotoxicity. <b>1997</b> , 751, 281-8	50
1385	Severe learning deficits in apolipoprotein E-knockout mice in a water maze task. <b>1997</b> , 752, 189-96	123
1384	Evaluation of learning and memory dysfunction and histological findings in rats with chronic stage contusion and diffuse axonal injury. <b>1997</b> , 752, 151-60	17
1383	Flupirtine reduces functional deficits and neuronal damage after global ischemia in rats. <b>1997</b> , 754, 279-84	40
1382	Evidence for recovery of spatial learning following entorhinal cortex lesions in mice. <b>1997</b> , 758, 187-200	51
1381	Hippocampally dependent and independent chronic spatial navigational deficits following parasagittal fluid percussion brain injury in the rat. <b>1997</b> , 762, 195-202	69
1380	The medial supramammillary nucleus, spatial learning and the frequency of hippocampal theta activity. <b>1997</b> , 764, 101-8	76
1379	WAY 100635, a 5-HT <sub>1A</sub> receptor antagonist, prevents the impairment of spatial learning caused by intrahippocampal administration of scopolamine or 7-chloro-kynurenic acid. <b>1997</b> , 774, 167-74	54
1378	Effect of cerebellar granule cell depletion on spatial learning and memory and in an avoidance conditioning task: studies in postnatally X-irradiated rats. <b>1997</b> , 99, 20-8	28
1377	Effects of sodium azide on motor activity, motor coordination, and learning. <b>1997</b> , 56, 67-71	6
1376	Deficits in water escape performance and alterations in hippocampal cholinergic mechanisms associated with neonatal monosodium glutamate treatment in mice. <b>1997</b> , 57, 383-8	14
1375	Intrahippocampal administration of lead (Pb) impairs performance of rats in the Morris water maze. <b>1997</b> , 57, 263-9	20

1374	Age-dependent effects of developmental lead exposure on performance in the Morris water maze. <b>1997</b> , 57, 271-9	83
1373	Cognitive dysfunctions induced by scopolamine are reduced by systemic or intrahippocampal mineralocorticoid receptor blockade. <b>1997</b> , 56, 613-21	7
1372	Cognitive dysfunction resulting from hippocampal hyperactivity--a possible cause of anxiety disorder?. <b>1997</b> , 56, 603-11	111
1371	Cognitive deficits induced by global cerebral ischaemia: prospects for transplant therapy. <b>1997</b> , 56, 763-80	44
1370	Correlation between hippocampal neuronal damage and spatial learning deficit due to global ischemia. <b>1997</b> , 56, 755-61	43
1369	Object-recognition and spatial learning and memory in rats prenatally exposed to ethanol.. <b>1997</b> , 111, 985-995	59
1368	Learning navigational maps through potentiation and modulation of hippocampal place cells. <b>1997</b> , 4, 79-94	81
1367	Intra-retrosplenial cortical grafts of cholinergic neurons: functional incorporation and restoration of high affinity choline uptake. <b>1997</b> , 22, 589-95	4
1366	Differences in the training capacity of 101/H and CBA mice in a water labyrinth (Modified Morris' test). <b>1997</b> , 124, 1214-1216	
1365	Spatial and nonspatial memory involvement in myasthenia gravis. <b>1997</b> , 244, 529-32	12
1364	[Progressive cerebral parenchyma damage caused by recurrent arterial hypotension]. <b>1997</b> , 68, 625-32	6
1363	HFS-induced long-term potentiation and LFS-induced depotentiation in area CA1 of the hippocampus are not good models for learning. <b>1997</b> , 130, 174-82	30
1362	Absolute localization for a mobile robot using place cells. <b>1997</b> , 22, 393-406	1
1361	The effects of single and repeated episodes of thiamin deficiency on memory in alcohol-consuming rats. <b>1997</b> , 14, 81-91	20
1360	An evaluation of what the mouse knockout experiments are telling us about mammalian behaviour. <b>1997</b> , 19, 1091-8	19
1359	Spatial training in a complex environment and isolation alter the spine distribution differently in rat CA1 pyramidal cells. <b>1997</b> , 380, 373-81	124
1358	Selective immunolesions of hippocampal cholinergic input fail to impair spatial working memory. <b>1997</b> , 7, 130-6	101
1357	Perseveration on place reversals in spatial swimming pool tasks: further evidence for place learning in hippocampal rats. <b>1997</b> , 7, 361-70	83

1356	Neonatal hippocampal damage in rats: long-term spatial memory deficits and associations with magnitude of hippocampal damage. <b>1997</b> , 7, 403-15		38
1355	Roles of movement and temporal factors in spatial learning. <b>1997</b> , 7, 501-10		22
1354	Discordance of spatial representation in ensembles of hippocampal place cells. <b>1997</b> , 7, 613-23		119
1353	Cues that hippocampal place cells encode: dynamic and hierarchical representation of local and distal stimuli. <b>1997</b> , 7, 624-42		247
1352	The nucleus accumbens and learning and memory. <b>1997</b> , 49, 515-21		92
1351	Differential roles of cerebellar cortex and deep cerebellar nuclei in learning and retention of a spatial task: studies in intact and cerebellectomized lurcher mutant mice. <b>1998</b> , 28, 299-308		42
1350	CREB and memory. <b>1998</b> , 21, 127-48		1181
1349	The dorsal hippocampus is essential for context discrimination but not for contextual conditioning.. <b>1998</b> , 112, 863-874		396
1348	Hippocampal lesions disrupt navigation based on cognitive maps but not heading vectors. <i>Nature</i> , <b>1998</b> , 396, 75-7	50.4	238
1347	The anti-inflammatory agents aspirin and salicylate inhibit the activity of I(kappa)B kinase-beta. <i>Nature</i> , <b>1998</b> , 396, 77-80	50.4	1368
1346	Cholinergic induction of network oscillations at 40 Hz in the hippocampus in vitro. <i>Nature</i> , <b>1998</b> , 394, 186-9	50.4	685
1345	Ipilacrine (NIK-247): A Review of Multiple Mechanisms as an Antidementia Agent. <b>1998</b> , 4, 247-259		7
1344	Status epilepticus causes long-term NMDA receptor-dependent behavioral changes and cognitive deficits. <b>1998</b> , 39, 1148-57		83
1343	Repeated Neonatal Phencyclidine Treatment Impairs Performance of a Spatial Task in Juvenile Rats. <b>1998</b> , 844, 303-309		16
1342	Modulation of acetylcholine and serotonin transmission by galanin. Relationship to spatial and aversive learning. <b>1998</b> , 863, 342-63		56
1341	Place learning in hippocampal rats and the path integration hypothesis. <b>1998</b> , 22, 209-20		115
1340	Recordings of postsubiculum head direction cells following lesions of the laterodorsal thalamic nucleus. <b>1998</b> , 780, 9-19		36
1339	Chronic neuroinflammation in rats reproduces components of the neurobiology of Alzheimer's disease. <b>1998</b> , 780, 294-303		281

1338	A role for brain glucocorticoid receptors in contextual fear conditioning: dependence upon training intensity. <b>1998</b> , 786, 11-7	138
1337	Water maze learning and hippocampal synaptic plasticity in streptozotocin-diabetic rats: effects of insulin treatment. <b>1998</b> , 800, 125-35	318
1336	Restriction of environmental space attenuates locomotor activity and hippocampal acetylcholine release in male rats. <b>1998</b> , 805, 207-12	32
1335	Impaired spatial navigation learning in transgenic mice over-expressing heme oxygenase-1. <b>1998</b> , 808, 110-2	13
1334	Septocingulate and septohippocampal cholinergic pathways: involvement in working/episodic memory. <b>1998</b> , 810, 59-71	36
1333	Intrahippocampal D-cycloserine improves MK-801-induced memory deficits: radial-arm maze performance in rats. <b>1998</b> , 814, 226-30	38
1332	Spatial memory deficits in patients with lesions to the right hippocampus and to the right parahippocampal cortex. <b>1998</b> , 36, 1217-38	400
1331	Selective spatial memory impairment after right unilateral temporal lobectomy. <b>1998</b> , 36, 837-48	49
1330	Effect of a prolyl endopeptidase inhibitor, JTP-4819, on radial maze performance in hippocampal-lesioned rats. <b>1998</b> , 59, 361-8	15
1329	Navigation in a Virtual Maze: Sex Differences and Correlation With Psychometric Measures of Spatial Ability in Humans. <b>1998</b> , 19, 73-87	379
1328	Environmental stimulation of 129/SvJ mice causes increased cell proliferation and neurogenesis in the adult dentate gyrus. <b>1998</b> , 8, 939-42	317
1327	Spatial learning and memory in aging C57BL/6 mice. <b>1998</b> , 23, 77-92	17
1326	Mushroom bodies of the cockroach: Their participation in place memory. <b>1998</b> , 402, 520-537	199
1325	Spatial mapping takes time. <b>1998</b> , 8, 122-30	11
1324	Conditional associative learning and the hippocampal system. <b>1998</b> , 8, 131-7	46
1323	Hippocampal lesions enhance configural learning by reducing proactive interference. <b>1998</b> , 8, 138-46	34
1322	GABA(B) modulation improves sequence disambiguation in computational models of hippocampal region CA3. <b>1998</b> , 8, 171-93	39
1321	Superior colliculus and active navigation: role of visual and non-visual cues in controlling cellular representations of space. <b>1998</b> , 8, 340-72	37

1320	Gene-trapping to identify and analyze genes expressed in the mouse hippocampus. <b>1998</b> , 8, 444-57	10
1319	Functional differentiation in the hippocampus. <b>1998</b> , 8, 608-19	900
1318	Hippocampal neural network model performing navigation by homing vector field adhesion to sensor map. <b>1998</b> , 2, 129-133	
1317	The effects of cytotoxic entorhinal lesions and electrolytic medial septal lesions on the acquisition and retention of a spatial working memory task. <b>1998</b> , 119, 517-28	14
1316	N-methyl-D-aspartate and dopamine receptor involvement in the modulation of locomotor activity and memory processes. <b>1998</b> , 123, 52-9	79
1315	The rhythmicity of cells of the medial septum/diagonal band of Broca in the awake freely moving rat: relationships with behaviour and hippocampal theta. <b>1998</b> , 10, 464-77	144
1314	Stimulation of 5-HT1A receptors in the dorsal raphe reverses the impairment of spatial learning caused by intrahippocampal scopolamine in rats. <b>1998</b> , 10, 221-30	49
1313	Comparing the effects of selective cingulate cortex lesions and cingulum bundle lesions on water maze performance by rats. <b>1998</b> , 10, 622-34	99
1312	Characterization of perforant path lesions in rodent models of memory and attention. <b>1998</b> , 10, 823-38	60
1311	Continuous blockade of brain glucocorticoid receptors facilitates spatial learning and memory in rats. <b>1998</b> , 10, 3759-66	93
1310	Phenotype analysis in neurological models of human disease. <b>1998</b> , 24, 83-87	2
1309	Phenotype analysis in neurological models of human disease. <b>1998</b> , 24, 83-7	4
1308	Reactivation of neuronal ensembles in hippocampal dentate gyrus during sleep after spatial experience. <b>1998</b> , 7 Suppl 1, 6-16	119
1307	Testing the NMDA, long-term potentiation, and cholinergic hypotheses of spatial learning. <b>1998</b> , 22, 181-93	107
1306	Loss of CA1 cells following global ischaemia correlates with spatial deficits in the circular platform task. <b>1998</b> , 80, 19-27	12
1305	Memory and the region of the mammillary bodies. <b>1998</b> , 54, 55-70	78
1304	Adrenalectomy-induced neuronal degeneration. <b>1998</b> , 54, 481-98	31
1303	The problem of assessing effective neuroprotection in experimental cerebral ischemia. <b>1998</b> , 54, 531-48	236



1302	The cerebellum in the spatial problem solving: a co-star or a guest star?. <b>1998</b> , 56, 191-210	124
1301	Long-term potentiation and spatial training are both associated with the generation of new excitatory synapses. <b>1998</b> , 26, 353-9	45
1300	Positive and negative regulatory mechanisms that mediate long-term memory storage. <b>1998</b> , 26, 360-78	228
1299	Therapeutic potential of histamine H3 receptor agonists and antagonists. <b>1998</b> , 19, 177-83	244
1298	Beta-amyloid(Phe(SO <sub>3</sub> H) <sub>24</sub> ) <sub>25-35</sub> in rat nucleus basalis induces behavioral dysfunctions, impairs learning and memory and disrupts cortical cholinergic innervation. <b>1998</b> , 90, 133-45	96
1297	Late behavioural and neuropathological effects of local brain irradiation in the rat. <b>1998</b> , 91, 99-114	84
1296	Unilateral hippocampal lesions in newborn and adult rats: effects on spatial memory and BDNF gene expression. <b>1998</b> , 92, 21-30	38
1295	Contextual learning and cue association in fear conditioning in mice: a strain comparison and a lesion study. <b>1998</b> , 95, 191-203	119
1294	A comparison between the effects of medial septal lesions and entorhinal cortex lesions on performance of nonspatial working memory tasks and reversal learning. <b>1998</b> , 94, 281-300	20
1293	Spatial memory, habituation, and reactions to spatial and nonspatial changes in rats with selective lesions of the hippocampus, the entorhinal cortex or the subiculum. <b>1998</b> , 96, 1-12	110
1292	Modelling recovery of cognitive function after traumatic brain injury: spatial navigation in the Morris water maze after complete or partial transections of the perforant path in rats. <b>1998</b> , 96, 13-35	23
1291	A new continuous alternation task in T-maze detects hippocampal dysfunction in mice. A strain comparison and lesion study. <b>1998</b> , 95, 91-101	163
1290	Differential deficits in the Morris water maze following cytotoxic lesions of the anterior thalamus and fornix transection. <b>1999</b> , 98, 27-38	100
1289	Ibotenate lesions of the hippocampus impair spatial learning but not contextual fear conditioning in mice. <b>1999</b> , 98, 77-87	105
1288	Role of nitric oxide in angiotensin IV-induced increases in cerebral blood flow. <b>1998</b> , 74, 185-92	41
1287	Evaluation of muscarinic M2 receptor sites in basal forebrain and brainstem cholinergic systems of behaviorally characterized young and aged Long-Evans rats. <b>1998</b> , 19, 217-25	22
1286	Aging effects on the startle response and startle plasticity in Fischer F344 rats. <b>1998</b> , 19, 243-51	26
1285	Distribution and kinetics of galanin infused into the ventral hippocampus of the rat: relationship to spatial learning. <b>1998</b> , 83, 123-36	45

1284	Hippocampal dynorphin B injections impair spatial learning in rats: a kappa-opioid receptor-mediated effect. <b>1998</b> , 85, 375-82	71
1283	Spatial learning and hippocampal volume in male deer mice: relations to age, testosterone and adrenal gland weight. <b>1998</b> , 86, 1089-99	43
1282	Effect of RGH-2716 on learning and memory deficits of young and aged rats in water-labyrinth. <b>1998</b> , 45, 475-88	10
1281	The role of the hippocampus in solving the Morris water maze. <b>1998</b> , 10, 73-111	237
1280	Neurotoxic effects in adult mice neonatally exposed to 3,3',4,4'-pentachlorobiphenyl or 2,3,3',4,4'-pentachlorobiphenyl. Changes in brain nicotinic receptors and behaviour. <b>1998</b> , 5, 17-27	44
1279	Inducible and reversible gene expression with the rtTA system for the study of memory. <b>1998</b> , 21, 257-65	222
1278	An essential role for retinoid receptors RARbeta and RXRgamma in long-term potentiation and depression. <b>1998</b> , 21, 1353-61	280
1277	Cognitive neuroscience and the study of memory. <b>1998</b> , 20, 445-68	965
1276	Memory and the hippocampus in food-storing birds: a comparative approach. <b>1998</b> , 37, 441-52	71
1275	Spatial learning ability of rats following differing levels of exposure to alcohol during early postnatal life. <b>1998</b> , 63, 205-11	40
1274	Prenatal exposure to ethanol disrupts spatial memory: effect of the training-testing delay period. <b>1998</b> , 64, 63-7	33
1273	Cytokines for psychologists: implications of bidirectional immune-to-brain communication for understanding behavior, mood, and cognition. <b>1998</b> , 105, 83-107	914
1272	Effects of sex and laterality on the rotatory swimming behavior of normal mice. <b>1999</b> , 65, 607-16	14
1271	Agents for the treatment of neurodegenerative diseases: July - December 1997. <b>1998</b> , 8, 395-438	1
1270	Neurobehavioral effects of chronic ingestion of Great Lakes chinook salmon. <b>1998</b> , 27, S55-67	5
1269	Posttraining estrogen and memory modulation. <b>1998</b> , 34, 126-39	174
1268	Prenatal gonadal steroids affect adult spatial behavior, CA1 and CA3 pyramidal cell morphology in rats. <b>1998</b> , 34, 183-98	172
1267	Fimbria-fornix vs selective hippocampal lesions in rats: effects on locomotor activity and spatial learning and memory. <b>1998</b> , 69, 22-45	123

1266	Brief paradoxical sleep deprivation impairs reference, but not working, memory in the radial arm maze task. <b>1998</b> , 69, 211-7	196
1265	Septal lesions impair the acquisition of a cued place navigation task: attentional or memory deficit?. <b>1998</b> , 69, 106-25	30
1264	Amygdala modulation of multiple memory systems: hippocampus and caudate-putamen. <b>1998</b> , 69, 163-203	271
1263	Molecular, cellular, and neuroanatomical substrates of place learning. <b>1998</b> , 70, 44-61	80
1262	Effects of posttraining intrahippocampal injections of platelet-activating factor and PAF antagonists on memory. <b>1998</b> , 70, 349-63	27
1261	Acute rise in corticosterone facilitates 5-HT(1A) receptor-mediated behavioural responses. <b>1998</b> , 351, 7-14	26
1260	Abnormal hippocampal spatial representations in alphaCaMKII286A and CREBalphaDelta- mice. <b>1998</b> , 279, 867-9	160
1259	Autophosphorylation at Thr286 of the alpha calcium-calmodulin kinase II in LTP and learning. <b>1998</b> , 279, 870-3	871
1258	Affordances. Motivations, and the World Graph Theory. <b>1998</b> , 6, 435-471	78
1257	Emotional Memory. <b>1998</b> , 187-222	44
1256	Spatial Cognition. <b>1998</b> ,	17
1255	Dissociable long-term cognitive deficits after frontal versus sensorimotor cortical contusions. <b>1998</b> , 15, 199-216	99
1254	Using a Mobile Robot to Test a Model of the Rat Hippocampus. <b>1998</b> , 10, 291-300	45
1253	Comparison of valproate and phenobarbital treatment after status epilepticus in rats. <b>1998</b> , 51, 41-8	115
1252	Memory Changes during Normal Aging. <b>1998</b> , 247-287	8
1251	Effects of bilateral electrolytic lesions of the medial nucleus accumbens on exploration and spatial learning. <b>1998</b> , 106, 297-307	13
1250	Traumatic brain injury in the developing rat: effects of maturation on Morris water maze acquisition. <b>1998</b> , 15, 799-811	84
1249	Long-term habituation to spatial novelty in blind cave fish ( <i>Astyanax hubbsi</i> ): role of the telencephalon and its subregions. <b>1998</b> , 4, 451-61	15

1248	Protective effects of moderate hypothermia on behavioral deficits but not necrotic cavitation following cortical impact injury in the rat. <b>1998</b> , 15, 95-103	112
1247	Spatial Cognition and Functional Alterations of Aged Rat Hippocampus. <b>1998</b> , 51-66	8
1246	Augmented neuronal death in CA3 hippocampus following hyperventilation early after controlled cortical impact. <b>1998</b> , 88, 549-56	43
1245	Ts1Cje, a partial trisomy 16 mouse model for Down syndrome, exhibits learning and behavioral abnormalities. <b>1998</b> , 95, 6256-61	303
1244	Effects of High Dietary Protein on Coping Behavior, Memory Performance, and Sensory Discrimination in Rats. <b>1998</b> , 1, 305-14	2
1243	Perturbed dentate gyrus function in serotonin 5-HT <sub>2C</sub> receptor mutant mice. <b>1998</b> , 95, 15026-31	97
1242	Distributed encoding and retrieval of spatial memory in the hippocampus. <b>1998</b> , 18, 7535-42	271
1241	Neural components of topographical representation. <b>1998</b> , 95, 839-46	156
1240	Exercise training acts as a therapeutic strategy for reduction of the pathogenic phenotypes for Alzheimer's disease in an NSE/APPsw-transgenic model. <b>1998</b> , 22, 529	6
1239	Neurotoxic hippocampal lesions fail to impair reinstatement of an appetitively conditioned response.. <b>1998</b> , 112, 255-260	22
1238	Sulpiride infused into the nucleus accumbens posttraining impairs memory of spatial water maze training.. <b>1998</b> , 112, 603-610	90
1237	Effects of hippocampal and parietal cortex lesions on the processing of multiple-object scenes.. <b>1998</b> , 112, 68-82	30
1236	Correlational relationship between shock intensity and corticosterone secretion on the establishment and subsequent expression of contextual fear conditioning.. <b>1998</b> , 112, 885-891	150
1235	Effects of hippocampal and parietal cortex lesions on memory for egocentric distance and spatial location information in rats.. <b>1998</b> , 112, 480-495	40
1234	Characteristics of basolateral amygdala neuronal firing on a spatial memory task involving differential reward.. <b>1998</b> , 112, 554-570	76
1233	The hippocampus and transverse patterning guided by olfactory cues.. <b>1998</b> , 112, 762-771	69
1232	Place memory is intact in rats with perirhinal cortex lesions.. <b>1998</b> , 112, 1353-1365	59
1231	The role and mechanisms of action of glucocorticoid involvement in memory storage. <b>1998</b> , 6, 41-52	122

1230	Object recognition and location memory in monkeys with excitotoxic lesions of the amygdala and hippocampus. <b>1998</b> , 18, 6568-82	346
1229	Fornix lesions can facilitate acquisition of the transverse patterning task: a challenge for "configural" theories of hippocampal function. <b>1998</b> , 18, 1622-31	75
1228	Aging differentially alters forms of long-term potentiation in rat hippocampal area CA1. <b>1998</b> , 79, 334-41	176
1227	Neuroethology of Avian Navigation. <b>1998</b> , 201-226	20
1226	Electrophysiology of the hippocampal and amygdaloid projections to the nucleus accumbens of the rat: convergence, segregation, and interaction of inputs. <b>1998</b> , 18, 5095-102	158
1225	Mice lacking ataxin-1 display learning deficits and decreased hippocampal paired-pulse facilitation. <b>1998</b> , 18, 5508-16	181
1224	Involvement of the prelimbic-infralimbic areas of the rodent prefrontal cortex in behavioral flexibility for place and response learning. <b>1999</b> , 19, 4585-94	480
1223	Neurotoxic dorsal CA1 lesions versus 4 VO ischaemic lesions: behavioural comparisons. <b>1998</b> , 11, 217-226	2
1222	Perinatal brain iron deficiency increases the vulnerability of rat hippocampus to hypoxic ischemic insult. <b>1999</b> , 129, 199-206	70
1221	Memory systems, frontal cortex, and the hippocampal axis. <b>1999</b> , 22, 464-465	3
1220	Homing in pigeons: the role of the hippocampal formation in the representation of landmarks used for navigation. <b>1999</b> , 19, 311-5	173
1219	Differential activation of adenylyl cyclases by spatial and procedural learning. <b>1999</b> , 19, 6183-90	29
1218	Perirhinal cortex and hippocampus mediate parallel processing of object and spatial location information. <b>1999</b> , 22, 455-455	3
1217	Optic flow input to the hippocampal formation from the accessory optic system. <b>1999</b> , 19, 5514-27	33
1216	What are the functional deficits produced by hippocampal and perirhinal cortex lesions?. <b>1999</b> , 22, 460-461	16
1215	The medial dorsal nucleus of the thalamus is not part of a hippocampal-thalamic memory system. <b>1999</b> , 22, 467-468	2
1214	Raising the profile of the anterior thalamus. <b>1999</b> , 22, 447-448	3
1213	Recall, recognition, and the medial temporal lobes. <b>1999</b> , 22, 455-456	3

1212	Perirhinal cortex: Lost in space?. <b>1999</b> , 22, 444-445	165
1211	What's new in animal models of amnesia?. <b>1999</b> , 22, 446-447	1
1210	How do animals solve object-recognition tasks?. <b>1999</b> , 22, 461-462	2
1209	Remembering the hippocampus. <b>1999</b> , 22, 469-471	8
1208	Parallel information processing in the dorsal striatum: relation to hippocampal function. <b>1999</b> , 19, 2789-98	334
1207	A mitogen-activated protein kinase cascade in the CA1/CA2 subfield of the dorsal hippocampus is essential for long-term spatial memory. <b>1999</b> , 19, 3535-44	481
1206	Selective discrimination learning impairments in mice expressing the human Huntington's disease mutation. <b>1999</b> , 19, 10428-37	330
1205	A presence/absence hypothesis concerning hippocampal function. <b>1999</b> , 22, 462-463	
1204	The hippocampus and path integration. <b>1999</b> , 22, 467-467	1
1203	That old familiar feeling: On uniquely identifying the role of perirhinal cortex. <b>1999</b> , 22, 448-449	
1202	The neural substrates of recollection and familiarity. <b>1999</b> , 22, 468-469	1
1201	The neural bases of recollection and familiarity: Preliminary tests of the AggletonBrown mode. <b>1999</b> , 22, 465-466	2
1200	Thalamic amnesia and the hippocampus: Unresolved questions and an alternative candidate. <b>1999</b> , 22, 458-459	1
1199	What does the limbic memory circuit actually do?. <b>1999</b> , 22, 451-451	4
1198	Neuropsychological assumptions and implications. <b>1999</b> , 22, 454-454	1
1197	Episodic memory in semantic dementia: Implications for the roles played by the perirhinal and hippocampal memory systems in new learning. <b>1999</b> , 22, 452-453	1
1196	Episodic memory: It's about time (and space). <b>1999</b> , 22, 463-464	
1195	Retrieval dynamics and brain mechanisms. <b>1999</b> , 22, 453-454	

1194	Consideration of the drive properties of the mammillary bodies solves the Ebnix problem□1999, 22, 456-458	
1193	Thanks for the memories: Extending the hippocampal-diencephalic mnemonic system. 1999, 22, 471-479	5
1192	Hippocampus, recognition, and recall: A new twist on some old data?. 1999, 22, 449-450	3
1191	Mere functional characterization is not enough to understand memory circuits. 1999, 22, 466-467	
1190	The gap between episodic memory and experiment: Can c-fos expression replace recognition testing?. 1999, 22, 445-446	
1189	Gestalt view of the limbic system and the Papez circuit □another approach to unity and diversity of brain structures and functions. 1999, 22, 459-460	7
1188	Contributions of the brain angiotensin IV-AT4 receptor subtype system to spatial learning. 1999, 19, 3952-61	159
1187	Head direction cells in rats with hippocampal or overlying neocortical lesions: evidence for impaired angular path integration. 1999, 19, 7198-211	62
1186	Opiate states of memory: receptor mechanisms. 1999, 19, 10520-9	98
1185	Effects of ibotenate hippocampal and extrahippocampal destruction on delayed-match and -nonmatch-to-sample behavior in rats. 1999, 19, 1492-507	88
1184	Topographical disorientation: a synthesis and taxonomy. 1999, 122 ( Pt 9), 1613-28	527
1183	Mild impairment of learning and memory in mice overexpressing the mSim2 gene located on chromosome 16: an animal model of Down's syndrome. 1999, 8, 1409-15	69
1182	Spatial working memory in rats: no differences between the sexes. 1999, 266, 2303-8	77
1181	Spatial Learning and Localization in Rodents: A Computational Model of the Hippocampus and its Implications for Mobile Robots. 1999, 7, 173-216	16
1180	Calbrain, a novel two EF-hand calcium-binding protein that suppresses Ca <sup>2+</sup> /calmodulin-dependent protein kinase II activity in the brain. 1999, 274, 3610-6	16
1179	Impaired learning and motor behavior in heterozygous Pafah1b1 (Lis1) mutant mice. 1999, 6, 521-37	73
1178	A necessity for MAP kinase activation in mammalian spatial learning. 1999, 6, 478-90	275
1177	Cognitive function following traumatic brain injury: effects of injury severity and recovery period in a parasagittal fluid-percussive injury model. 1999, 16, 915-25	43

1176	Corticosterone effects on BDNF mRNA expression in the rat hippocampus during morris water maze training. <b>1999</b> , 3, 173-83		43
1175	An experimental study of radiation-induced cognitive dysfunction in an adult rat model. <b>1999</b> , 72, 1196-201		55
1174	Secondary hypoxia following moderate fluid percussion brain injury in rats exacerbates sensorimotor and cognitive deficits. <b>1999</b> , 16, 1035-47		63
1173	Targeted disruption of the orphanin FQ/nociceptin gene increases stress susceptibility and impairs stress adaptation in mice. <b>1999</b> , 96, 10444-9		215
1172	P-selectin blockade following fluid-percussion injury: behavioral and immunochemical sequelae. <b>1999</b> , 16, 13-25		27
1171	Neuroethology of spatial learning: the birds and the bees. <b>1999</b> , 50, 651-82		49
1170	The effects of NMDA-induced retrohippocampal lesions on performance of four spatial memory tasks known to be sensitive to hippocampal damage in the rat. <b>1999</b> , 11, 123-40		60
1169	Local inhibition of hippocampal nitric oxide synthase does not impair place learning in the Morris water escape task in rats. <b>1999</b> , 11, 223-32		37
1168	The effects of lesions to the anterior thalamic nuclei on object-place associations in rats. <b>1999</b> , 11, 559-66		70
1167	Neuroprotective effect of remacemide hydrochloride in a perforant pathway stimulation model of status epilepticus in the rat. <b>1999</b> , 34, 251-69		20
1166	Memory for places learned long ago is intact after hippocampal damage. <i>Nature</i> , <b>1999</b> , 400, 675-7	50.4	283
1165	Neurobiology. A place for space and smells. <i>Nature</i> , <b>1999</b> , 397, 561, 563	50.4	15
1164	Rapid report: postsynaptic bursting is essential for 'Hebbian' induction of associative long-term potentiation at excitatory synapses in rat hippocampus. <b>1999</b> , 518 ( Pt 2), 571-6		181
1163	Genetic enhancement of learning and memory in mice. <i>Nature</i> , <b>1999</b> , 401, 63-9	50.4	1489
1162	Neurobiology. The topography of memory. <i>Nature</i> , <b>1999</b> , 402, 597-9	50.4	8
1161	Learning enhances adult neurogenesis in the hippocampal formation. <b>1999</b> , 2, 260-5		1742
1160	Nociceptin/orphanin FQ and nocistatin on learning and memory impairment induced by scopolamine in mice. <b>1999</b> , 127, 655-60		36
1159	S 15535, a benzodioxopiperazine acting as presynaptic agonist and postsynaptic 5-HT1A receptor antagonist, prevents the impairment of spatial learning caused by intrahippocampal scopolamine. <b>1999</b> , 128, 1207-14		33



1158	Spatial cognitive performance after chronic focal cerebral ischemia in rats. <b>1999</b> , 19, 483-94	74
1157	If phosphatases go up, memory goes down. <b>1999</b> , 55, 549-53	29
1156	CREB: a message to remember. <b>1999</b> , 55, 554-63	82
1155	Time-of-day discriminative learning in homing pigeons, <i>Columba livia</i> . <b>1999</b> , 27, 295-302	7
1154	Overshadowing in the spatial domain. <b>1999</b> , 27, 391-398	36
1153	Bypassing spermiogenesis for several generations does not have detrimental consequences on the fertility and neurobehavior of offspring: a study using the mouse. <b>1999</b> , 16, 315-24	18
1152	Cerebellar contribution to spatial event processing: characterization of procedural learning. <b>1999</b> , 127, 1-11	71
1151	Multiple spatial learning strategies in goldfish ( <i>Carassius auratus</i> ). <b>1999</b> , 2, 109-120	69
1150	Long-term effects of neonatal seizures: a behavioral, electrophysiological, and histological study. <b>1999</b> , 118, 99-107	157
1149	Genetic approaches to memory storage. <b>1999</b> , 15, 463-70	218
1148	Excitotoxic basolateral amygdala lesions potentiate the memory impairment effect of muscimol injected into the medial septal area. <b>1999</b> , 816, 329-36	26
1147	Apoptosis and expression of p53 response proteins and cyclin D1 after cortical impact in rat brain. <b>1999</b> , 818, 23-33	115
1146	Combined therapy affects outcomes differentially after mild traumatic brain injury and secondary forebrain ischemia in rats. <b>1999</b> , 817, 132-44	21
1145	Relations of hippocampal volume and dentate gyrus width to gonadal hormone levels in male and female meadow voles. <b>1999</b> , 821, 383-91	68
1144	Influence of stimulation of the olivocerebellar pathway by harmaline on spatial learning in the rat. <b>1999</b> , 824, 277-83	14
1143	Opposite effects on NCAM expression in the rat frontal cortex induced by acute vs. chronic corticosterone treatments. <b>1999</b> , 828, 127-34	57
1142	Severe learning impairment caused by combined immunotoxic lesion of the cholinergic projections to the cortex and hippocampus in monkeys. <b>1999</b> , 836, 120-38	40
1141	Amelioration of fornix lesion induced learning deficits by self-stimulation rewarding experience. <b>1999</b> , 845, 246-51	9

1140	Galanin and learning. <b>1999</b> , 848, 174-82	37
1139	Threshold relationship between lesion extent of the cholinergic basal forebrain in the rat and working memory impairment in the radial maze. <b>1999</b> , 847, 284-98	86
1138	Characterization of learning and memory behaviors and the effects of metrifonate in the C57BL strain of mice. <b>1999</b> , 372, 117-26	11
1137	Spatial learning deficit in dopamine D(1) receptor knockout mice. <b>1999</b> , 383, 95-106	133
1136	Effects of arginine-vasopressin fragment 4-9 on rodent cholinergic systems. <b>1999</b> , 63, 549-53	19
1135	Learning impairment produced in rats by the cannabinoid agonist HU 210 in a water-maze task. <b>1999</b> , 64, 555-61	103
1134	Learning and memory in rats gestationally and lactationally exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). <b>1999</b> , 21, 231-9	64
1133	Disruption of temporo-entorhinal connections abolishes recognition memory-enhancing effect of angiotensins in rats. <b>1999</b> , 33, 91-7	5
1132	A behavioral analysis of the spatial learning deficit induced by the NMDA receptor antagonist MK-801 (dizocilpine) in the rat. <b>1999</b> , 21, 414-26	72
1131	Olfactory systems: common design, uncommon origins?. <b>1999</b> , 9, 634-9	182
1130	Human spatial navigation: cognitive maps, sexual dimorphism, and neural substrates. <b>1999</b> , 9, 171-7	239
1129	Hippocampus and context in classical conditioning. <b>1999</b> , 9, 195-202	296
1128	Food restriction reduces brain damage and improves behavioral outcome following excitotoxic and metabolic insults. <b>1999</b> , 45, 8-15	345
1127	Delay-dependent impairment of a matching-to-place task with chronic and intrahippocampal infusion of the NMDA-antagonist D-AP5. <b>1999</b> , 9, 118-36	442
1126	Hippocampal encoding of non-spatial trace conditioning. <b>1999</b> , 9, 385-96	94
1125	Is the hippocampus of the rat part of a specialized navigational system?. <b>1999</b> , 9, 413-22	26
1124	Complimentary roles for hippocampal versus subicular/entorhinal place cells in coding place, context, and events. <b>1999</b> , 9, 432-43	105
1123	Active spatial information processing in the septo-hippocampal system. <b>1999</b> , 9, 458-66	15

1122	Exposing rats to a predator impairs spatial working memory in the radial arm water maze. <b>1999</b> , 9, 542-52	328
1121	Dentate gyrus-selective colchicine lesion and disruption of performance in spatial tasks: difficulties in "place strategy" because of a lack of flexibility in the use of environmental cues?. <b>1999</b> , 9, 668-81	117
1120	Role of an enriched environment on the restoration of behavioral deficits in Lurcher mutant mice. <b>1999</b> , 35, 291-303	43
1119	2-Deoxy-D-glucose protects hippocampal neurons against excitotoxic and oxidative injury: evidence for the involvement of stress proteins. <b>1999</b> , 57, 48-61	144
1118	Synaptic plasticity and learning and memory: LTP and beyond. <b>1999</b> , 58, 62-75	91
1117	Morphometric studies of the aged hippocampus: I. Volumetric analysis in behaviorally characterized rats. <b>1999</b> , 403, 459-470	79
1116	Overexpression of Bcl-2 is neuroprotective after experimental brain injury in transgenic mice. <b>1999</b> , 412, 681-92	67
1115	The growth hormone axis and cognition: empirical results and integrated theory derived from giant transgenic mice. <b>1999</b> , 77, 1874-1890	15
1114	Neurogenesis in adulthood: a possible role in learning. <b>1999</b> , 3, 186-192	338
1113	Essential role for TrkB receptors in hippocampus-mediated learning. <b>1999</b> , 24, 401-14	666
1112	Administration of prosaposin ameliorates spatial learning disturbance and reduces cavity formation following stab wounds in rat brain. <b>1999</b> , 267, 73-6	22
1111	Serotonin and acetylcholine release response in the rat hippocampus during a spatial memory task. <b>1999</b> , 89, 1135-43	97
1110	Enhanced gamma (30-150 Hz) frequency in the human medial temporal lobe. <b>1999</b> , 90, 1149-55	112
1109	Neuroprotective effects of brain-derived neurotrophic factor in seizures during development. <b>1999</b> , 91, 293-303	70
1108	No hippocampal neuron or synaptic bouton loss in learning-impaired aged beta-amyloid precursor protein-null mice. <b>1999</b> , 90, 1207-16	106
1107	Cholinergic systems and long-term potentiation in memory-impaired apolipoprotein E-deficient mice. <b>1999</b> , 92, 1273-86	58
1106	Chronic administration of docosahexaenoic acid improves reference memory-related learning ability in young rats. <b>1999</b> , 93, 237-41	241
1105	Reduced cerebrospinal fluid levels of alpha-secretase-cleaved amyloid precursor protein in aged rats: correlation with spatial memory deficits. <b>1999</b> , 93, 1409-20	51

1104	Changes in brain nerve growth factor levels and nerve growth factor receptors in rats exposed to environmental enrichment for one year. <b>1999</b> , 94, 279-86	198
1103	Reference memory, anxiety and estrous cyclicity in C57BL/6NIA mice are affected by age and sex. <b>2000</b> , 95, 293-307	191
1102	Effects of oral administration of the competitive N-methyl-D-aspartate antagonist, CGP 40116, on passive avoidance, spatial learning, and neuromotor abilities in mice. <b>1999</b> , 48, 333-41	19
1101	Prenatal hypoxia-ischemia alters expression and activity of nitric oxide synthase in the young rat brain and causes learning deficits. <b>1999</b> , 49, 359-65	59
1100	Effect of a novel prolyl endopeptidase inhibitor, JTP-4819, on spatial memory and on cholinergic and peptidergic neurons in rats with ibotenate-induced lesions of the nucleus basalis magnocellularis. <b>1999</b> , 99, 17-25	28
1099	Stress impairs performance in spatial water maze learning tasks. <b>1999</b> , 100, 225-35	170
1098	Lesions of the medial or lateral perforant path have different effects on hippocampal contributions to place learning and on fear conditioning to context. <b>1999</b> , 101, 65-84	76
1097	Reinforcement enhances hippocampal acetylcholine release in rats: an in vivo microdialysis study. <b>1999</b> , 101, 207-13	9
1096	Cognitive performance and biochemical markers in septum, hippocampus and striatum of rats after an i.c.v. injection of streptozotocin: a correlation analysis. <b>1999</b> , 102, 73-88	79
1095	Effects of electrolytic lesions of the lateral pallidum on motor coordination, spatial learning, and regional brain variations of cytochrome oxidase activity in rats. <b>1999</b> , 102, 61-71	20
1094	Effects of mammillary body lesions on spatial reference and working memory tasks. <b>1999</b> , 102, 137-50	55
1093	Effects of hippocampal lesions on spatial operant discrimination in pigeons. <b>1999</b> , 103, 77-84	13
1092	Disorientation combined with bilateral parietal cortex lesions causes path integration deficits in the water maze. <b>1999</b> , 104, 197-200	22
1091	Retrograde amnesia and selective damage to the hippocampal formation: memory for places and object discriminations. <b>1999</b> , 106, 97-107	120
1090	Early postnatal treatment with ACTH4-9 analog ORG 2766 improves adult spatial learning but does not affect behavioural stress reactivity. <b>1999</b> , 106, 181-8	7
1089	Sex-related differences in spatial learning during the early postnatal development of the rat. <b>1999</b> , 46, 159-71	32
1088	Global ischemia and behavioural deficits. <b>1999</b> , 58, 279-95	200
1087	Muscarinic acetylcholine receptors in the hippocampus, neocortex and amygdala: a review of immunocytochemical localization in relation to learning and memory. <b>1999</b> , 58, 409-71	222

1086	The effects of a novel NSAID on chronic neuroinflammation are age dependent. <b>1999</b> , 20, 305-13	126
1085	A comparison of egocentric and allocentric spatial memory in medial temporal lobe and Korsakoff amnesics. <b>1999</b> , 35, 479-501	54
1084	Specificity of memory deficits after right or left temporal lobectomy. <b>1999</b> , 35, 561-71	52
1083	WAY 100635, a 5-HT <sub>1A</sub> receptor antagonist, prevents the impairment of spatial learning caused by blockade of hippocampal NMDA receptors. <b>1999</b> , 38, 1165-73	41
1082	Previous training in the water maze: differential effects in NMRI and C57BL mice. <b>1999</b> , 67, 197-203	29
1081	Motor dysfunction in a mouse model for Down syndrome. <b>1999</b> , 68, 211-20	135
1080	Role of norepinephrine in mediating stress hormone regulation of long-term memory storage: a critical involvement of the amygdala. <b>1999</b> , 46, 1140-52	195
1079	Stress and hippocampal neurogenesis. <b>1999</b> , 46, 1472-9	645
1078	Assessment of spatial memory. <b>2001</b> , Chapter 11, Unit11.3	3
1077	Effects of unilateral entorhinal cortex lesion on retention of water maze performance. <b>1999</b> , 71, 19-33	7
1076	Sequential training in separate paradigms impairs second task consolidation and learning-associated modulations of hippocampal NCAM polysialylation. <b>1999</b> , 72, 28-38	25
1075	Acute ethanol administration impairs spatial performance while facilitating nonspatial performance in rats. <b>1999</b> , 72, 169-79	62
1074	Hippocampal involvement in spatial and working memory: a structural MRI analysis of patients with unilateral mesial temporal lobe sclerosis. <b>1999</b> , 41, 39-65	128
1073	The impact-acceleration model of head injury: injury severity predicts motor and cognitive performance after trauma. <b>1999</b> , 21, 742-54	61
1072	Neurotoxic or electrolytic lesions of the ventral subiculum produce deficits in the acquisition and expression of Pavlovian fear conditioning in rats.. <b>1999</b> , 113, 283-290	121
1071	Spatial learning and performance in the radial arm maze is impaired after N-methyl-{d}-aspartate (NMDA) receptor blockade in striatal subregions.. <b>1999</b> , 113, 703-717	68
1070	Blocking can occur without losses in attention in rats with selective removal of hippocampal cholinergic input.. <b>1999</b> , 113, 881-890	30
1069	Repeated restraint stress facilitates fear conditioning independently of causing hippocampal CA3 dendritic atrophy.. <b>1999</b> , 113, 902-913	529

1068	The hippocampus is not necessary for a place response but may be necessary for pliancy.. <b>1999</b> , 113, 914-924	118
1067	An infusion of bupivacaine into the nucleus accumbens disrupts the acquisition but not the expression of contextual fear conditioning.. <b>1999</b> , 113, 925-940	61
1066	Does pretraining spare the spatial deficit associated with anterior thalamic damage in rats?. <b>1999</b> , 113, 956-967	37
1065	Morris water maze analysis of 192-IgG-saporin-lesioned rats and porcine cholinergic transplants to the hippocampus. <b>1999</b> , 8, 131-42	17
1064	Chapter 2.2.3 Brain region-specific genes: the hippocampus. <b>1999</b> , 212-224	
1063	Chapter 3.2.3 Regulatable adenoviral technology in behavioural neuroscience. <b>1999</b> , 13, 415-424	2
1062	Studies on the cell-type specific expression of RBP-L, a RBP-J family member, by replacement insertion of beta-galactosidase. <b>1999</b> , 126, 738-47	8
1061	In vivo metabolism of nociceptin/orphanin FQ in rat hippocampus. <b>1999</b> , 10, 71-6	26
1060	Episodic memory, amnesia, and the hippocampal-anterior thalamic axis. <b>1999</b> , 22, 425-444	1608
1059	Simultaneous evaluation of spatial working memory and motivation by the allocentric place discrimination task in the water maze in rats. <b>1999</b> , 61, 673-81	11
1058	REFEREED PAPERS. <b>2000</b> , 43, 17-134	19
1057	The effects of human corticotrophin releasing factor on motor and cognitive deficits after impact acceleration injury. <b>2000</b> , 22, 665-73	9
1056	Rats alternate on a dry-land but not swimming-pool (Morris task) place task: Implications for spatial processing.. <b>2000</b> , 114, 442-446	27
1055	Dissociation of place and cue learning by telencephalic ablation in goldfish.. <b>2000</b> , 114, 687-699	69
1054	N-methyl-D-aspartate receptor-dependent plasticity within a distributed corticostriatal network mediates appetitive instrumental learning.. <b>2000</b> , 114, 84-98	98
1053	Spatial working memory is independent of hippocampal CA1 long-term potentiation in rats.. <b>2000</b> , 114, 700-706	12
1052	Dissociating entorhinal and hippocampal involvement in latent inhibition.. <b>2000</b> , 114, 867-874	59
1051	Rats with hippocampal lesions learn about allocentric place cues in a non-navigational task.. <b>2000</b> , 114, 895-906	16

1050	Retrieval of spatial information in Nijmegen high and low responders: Involvement of adrenergic mechanisms in the nucleus accumbens.. <b>2000</b> , 114, 1088-1095	19
1049	Endomorphin-2 but not Leu-enkephalin modulates spatial learning when microinjected in the CA3 region of the rat hippocampus. <b>2000</b> , 11, 3659-62	8
1048	Continuum model of mnemonic and amnesic phenomena. <b>2000</b> , 6, 593-607	7
1047	Behavioural pharmacology and its contribution to the molecular basis of memory consolidation. <b>2000</b> , 11, 517-34	145
1046	Caspase activity plays an essential role in long-term memory. <b>2000</b> , 11, 2811-6	63
1045	A model of hippocampally dependent navigation, using the temporal difference learning rule. <b>2000</b> , 10, 1-16	173
1044	Effects of acute and chronic ethanol exposure on spatial cognitive processing and hippocampal function in the rat. <b>2000</b> , 10, 122-30	56
1043	Hippocampal mossy fibers and swimming navigation learning in two vole species occupying different habitats. <b>2000</b> , 10, 17-30	38
1042	Effects of prenatal alcohol exposure on the hippocampus: spatial behavior, electrophysiology, and neuroanatomy. <b>2000</b> , 10, 94-110	279
1041	Rats with hippocampal damage are impaired on place learning in the water task when overtrained under constrained conditions. <b>2000</b> , 10, 153-61	32
1040	Neural and behavioral teratological evaluation of rats exposed to ultra-wideband electromagnetic fields. <b>2000</b> , 21, 524-37	7
1039	Dorsal hippocampal function in unreinforced spatial learning. <b>2000</b> , 10, 226-35	25
1038	Neurons in the hilus region of the rat hippocampus are depleted in number by exposure to alcohol during early postnatal life. <b>2000</b> , 10, 284-95	33
1037	Selectivity of the spatial learning deficit after lesions of the mammillary region in rats. <b>2000</b> , 10, 325-8	31
1036	Age-related deficits in the ability to encode contextual change: a place cell analysis. <b>2000</b> , 10, 338-50	44
1035	Identifying cortical inputs to the rat hippocampus that subserve allocentric spatial processes: a simple problem with a complex answer. <b>2000</b> , 10, 466-74	110
1034	Behavioral analysis of the contribution of the hippocampus and parietal cortex to the processing of information: interactions and dissociations. <b>2000</b> , 10, 483-90	35
1033	Similarities in the development of place and cue navigation by rats in a swimming pool. <b>2000</b> , 37, 238-45	36

1032	Ontogeny of spatial discrimination in mice: a longitudinal analysis in the modified open-field with objects. <b>2000</b> , 37, 109-18	44
1031	Long-term spatial memory in rats with hippocampal lesions. <b>2000</b> , 12, 3375-84	32
1030	Cerebral oligoemia episode triggers free radical formation and late cognitive deficiencies. <b>2000</b> , 12, 715-25	18
1029	Eye position-sensitive units in hippocampal formation and in inferotemporal cortex of the macaque monkey. <b>2000</b> , 12, 751-9	22
1028	Dissociable roles of the central and basolateral amygdala in appetitive emotional learning. <b>2000</b> , 12, 405-13	204
1027	Glucocorticoids and the ageing hippocampus. <b>2000</b> , 197 Pt 4, 553-62	86
1026	Is the avian hippocampus a functional homologue of the mammalian hippocampus?. <b>2000</b> , 24, 465-84	198
1025	Neurological sequelae and long-term behavioural assessment of rats with transient middle cerebral artery occlusion. <b>2000</b> , 104, 99-109	146
1024	Maternal care, hippocampal synaptogenesis and cognitive development in rats. <b>2000</b> , 3, 799-806	968
1023	[Nphe(1)]-Nociceptin (1-13)-NH(2), a nociceptin receptor antagonist, reverses nociceptin-induced spatial memory impairments in the Morris water maze task in rats. <b>2000</b> , 131, 1379-84	39
1022	A cortical-hippocampal system for declarative memory. <b>2000</b> , 1, 41-50	1195
1021	A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease. <i>Nature</i> , <b>2000</b> , 408, 975-9	50.4 600
1020	Central histaminergic system and cognition. <b>2000</b> , 24, 107-13	102
1019	Prewaning experience as a modifier of prenatal drug effects in rats and mice--a review. <b>2000</b> , 22, 113-23	8
1018	1999 Curt P. Richter award. Glucocorticoids and the regulation of memory consolidation. <b>2000</b> , 25, 213-38	548
1017	Pentoxifylline improves learning and memory in glutamate-lesioned rats. <b>2000</b> , 66, 687-94	17
1016	Benzodiazepine receptor inverse agonist-induced kindling of rats alters learning and glutamate binding. <b>2000</b> , 67, 169-75	10
1015	The allocentric place discrimination task is selectively and highly dependent on the central muscarinic system in rats. <b>2000</b> , 65, 131-9	7



1014	The N-methyl-D-aspartate receptor, synaptic plasticity, and depressive disorder. A critical review. <b>2000</b> , 87, 11-25	106
1013	Timing of ketogenic diet initiation in an experimental epilepsy model. <b>2000</b> , 125, 131-8	47
1012	A comparison of egocentric and allocentric spatial memory in a patient with selective hippocampal damage. <b>2000</b> , 38, 410-25	216
1011	Chronic cerebral hypoperfusion: loss of pupillary reflex, visual impairment and retinal neurodegeneration. <b>2000</b> , 859, 96-103	58
1010	Spatial learning-induced increase in the argyrophilic nucleolar organizer region of dorsolateral telencephalic neurons in goldfish. <b>2000</b> , 865, 77-84	102
1009	Hippocampectomized rats can use a constellation of landmarks to recognize a place. <b>2000</b> , 876, 225-37	18
1008	Ameliorative effects of tamolarizine on place learning impairment induced by transient forebrain ischemia in rats. <b>2000</b> , 853, 81-92	6
1007	Experience-dependent phase-reversal of hippocampal neuron firing during REM sleep. <b>2000</b> , 855, 176-80	265
1006	Place and cue learning in turtles. <b>2000</b> , 28, 360-372	36
1005	Quantification of swim patterns in the Morris water maze. <b>2000</b> , 32, 134-9	56
1004	The analysis system COGITAT for the study of cognitive deficiencies in rodents. <b>2000</b> , 32, 140-56	11
1003	Behavioral, Neurochemical, and Brain Morphology Features of the 101/HY Mice: A Genetic Model of Some Human Hereditary Diseases. <b>2000</b> , 36, 1344-1356	2
1002	A neural systems analysis of adaptive navigation. <b>2000</b> , 21, 57-82	57
1001	Amygdala-hippocampus dynamic interaction in relation to memory. <b>2000</b> , 22, 11-20	121
1000	The effects of combined lesions of the subicular complex and the entorhinal cortex on two forms of spatial navigation in the water maze.. <b>2000</b> , 114, 211-217	51
999	The place preference task: A new tool for studying the relation between behavior and place cell activity in rats.. <b>2000</b> , 114, 273-284	40
998	Effect of intra-accumbens dopamine receptor agents on reactivity to spatial and non-spatial changes in mice. <b>2000</b> , 152, 189-99	28
997	The hippocampus and flexible spatial knowledge in rats. <b>2000</b> , 56, 313-20	5

996	Nitric oxide synthase does not mediate neurotoxicity after an i.c.v. injection of streptozotocin in the rat. <b>2000</b> , 107, 745-66	20
995	Predictions derived from modelling the hippocampal role in navigation. <b>2000</b> , 83, 301-12	123
994	Effects of prenatal dexamethasone on spatial learning and response to stress is influenced by maternal factors. <b>2000</b> , 279, R1899-909	53
993	Inhibition of activity-dependent arc protein expression in the rat hippocampus impairs the maintenance of long-term potentiation and the consolidation of long-term memory. <b>2000</b> , 20, 3993-4001	820
992	Neural and behavioral teratological evaluation of rats exposed to ultra-wideband electromagnetic fields. <b>2000</b> , 21, 524-537	29
991	Circuit-specific alterations in hippocampal synaptophysin immunoreactivity predict spatial learning impairment in aged rats. <b>2000</b> , 20, 6587-93	320
990	Fos imaging reveals differential patterns of hippocampal and parahippocampal subfield activation in rats in response to different spatial memory tests. <b>2000</b> , 20, 2711-8	225
989	Supplementation with L-histidine during dietary zinc repletion improves short-term memory in zinc-restricted young adult male rats. <b>2000</b> , 130, 1633-40	28
988	Spatial learning induced changes in expression of the ryanodine type II receptor in the rat hippocampus. <b>2000</b> , 14, 290-300	81
987	Protective effects of prenatal choline supplementation on seizure-induced memory impairment. <b>2000</b> , 20, RC109	64
986	Adult learning deficits after neonatal exposure to D-methamphetamine: selective effects on spatial navigation and memory. <b>2000</b> , 20, 4732-9	75
985	Functional consequences of reduction in NMDA receptor glycine affinity in mice carrying targeted point mutations in the glycine binding site. <b>2000</b> , 20, 4037-49	90
984	Using fos imaging in the rat to reveal the anatomical extent of the disruptive effects of fornix lesions. <b>2000</b> , 20, 8144-52	56
983	Impaired synaptic plasticity and cAMP response element-binding protein activation in Ca <sup>2+</sup> /calmodulin-dependent protein kinase type IV/Gr-deficient mice. <b>2000</b> , 20, 6459-72	225
982	Long-term dysfunction following diffuse traumatic brain injury in the immature rat. <b>2000</b> , 17, 273-82	68
981	Mental maze solving. <b>2000</b> , 12, 813-27	28
980	Effects of amygdala or hippocampus lesion on hypergravity-induced motion sickness in rats. <b>2000</b> , 120, 860-5	19
979	Latent attractors: a model for context-dependent place representations in the hippocampus. <b>2000</b> , 12, 1009-43	43

978	Spatial Memory and Aging: Performance on a Human Analog of the Morris Water Maze. <b>2000</b> , 7, 86-93	84
977	Genetic dissection of region associated with behavioral abnormalities in mouse models for Down syndrome. <b>2000</b> , 48, 606-13	141
976	Subnecrotic stereotactic radiosurgery controlling epilepsy produced by kainic acid injection in rats. <b>2000</b> , 93, 1033-40	50
975	Attentional processes and learning and memory in rats: the prefrontal cortex and hippocampus compared. <b>2000</b> , 126, 79-94	31
974	Humans with traumatic brain injuries show place-learning deficits in computer-generated virtual space. <b>2000</b> , 22, 157-75	84
973	Secondary hypoxemia exacerbates the reduction of visual discrimination accuracy and neuronal cell density in the dorsal lateral geniculate nucleus resulting from fluid percussion injury. <b>2000</b> , 17, 679-93	22
972	Representation of actions in rats: the role of cerebellum in learning spatial performances by observation. <b>2000</b> , 97, 2320-5	83
971	The effect of familiarity on distraction and single cue use after hippocampal damage. <b>2000</b> , 1, 165-78	6
970	Postnatal growth and behavioral development of mice cloned from adult cumulus cells. <b>2000</b> , 63, 328-34	126
969	Revisiting the maturation of medial temporal lobe memory functions in primates. <b>2000</b> , 7, 244-56	57
968	Postinjury administration of L-deprenyl improves cognitive function and enhances neuroplasticity after traumatic brain injury. <b>2000</b> , 166, 136-52	44
967	BDNF protects against spatial memory deficits following neonatal hypoxia-ischemia. <b>2000</b> , 166, 99-114	151
966	NPS 1506 attenuates cognitive dysfunction and hippocampal neuron death following brain trauma in the rat. <b>2000</b> , 166, 442-9	18
965	Acute administration of estrogen and progesterone impairs the acquisition of the spatial morris water maze in ovariectomized rats. <b>2000</b> , 38, 234-42	156
964	Loss of cadherin-11 adhesion receptor enhances plastic changes in hippocampal synapses and modifies behavioral responses. <b>2000</b> , 15, 534-46	138
963	HIV- and FIV-derived gp120 alter spatial memory, LTP, and sleep in rats. <b>2000</b> , 7, 384-94	26
962	Enhanced visuospatial memory following intracerebroventricular administration of nerve growth factor. <b>2000</b> , 73, 49-67	4
961	Reversible inactivation of the hippocampal mossy fiber synapses in mice impairs spatial learning, but neither consolidation nor memory retrieval, in the Morris navigation task. <b>2000</b> , 73, 243-57	143

960	N-methyl-D-aspartate receptor subunit changes are associated with lead-induced deficits of long-term potentiation and spatial learning. <b>2000</b> , 99, 233-42	120
959	Brain-derived neurotrophic factor administration after traumatic brain injury in the rat does not protect against behavioral or histological deficits. <b>2000</b> , 99, 483-93	66
958	Fos expression in the rostral thalamic nuclei and associated cortical regions in response to different spatial memory tests. <b>2000</b> , 101, 983-91	98
957	Alteration of expression levels of neuronal nitric oxide synthase and haem oxygenase-2 messenger RNA in the hippocampi and cortices of young adult and aged cognitively unimpaired and impaired Long-Evans rats. <b>2000</b> , 100, 769-75	39
956	Distinct patterns of behavioural impairments resulting from fornix transection or neurotoxic lesions of the perirhinal and postrhinal cortices in the rat. <b>2000</b> , 111, 187-202	214
955	Conditional discrimination learning in rats with global ischaemic brain damage. <b>2000</b> , 111, 213-21	16
954	A cautionary note regarding drug and brain lesion studies that use swimming pool tasks: partial reinforcement impairs acquisition of place learning in a swimming pool but not on dry land. <b>2000</b> , 112, 43-52	28
953	Lidocaine reversible inactivation of the median raphe nucleus has no effect on reference memory but enhances working memory versions of the Morris water maze task. <b>2000</b> , 114, 1-9	33
952	Environmental enrichment from birth enhances visual acuity but not place learning in mice. <b>2000</b> , 114, 11-5	68
951	Anterograde and retrograde memory for object discriminations and places in rats with perirhinal cortex lesions. <b>2000</b> , 114, 119-34	50
950	Effects of reward anticipation, reward presentation, and spatial parameters on the firing of single neurons recorded in the subiculum and nucleus accumbens of freely moving rats. <b>2000</b> , 116, 23-38	93
949	Reduced visual acuity impairs place but not cued learning in the Morris water task. <b>2000</b> , 116, 135-40	49
948	Memory of an operant response and of depressed mood retained in activation states of 5-HT(1A) receptors: evidence from rodent models. <b>2000</b> , 117, 41-51	9
947	Perforant path stimulation in rats produces seizures, loss of hippocampal neurons, and a deficit in spatial mapping which are reduced by prior MK-801. <b>2000</b> , 107, 59-69	26
946	Changes in adult brain and behavior caused by neonatal limbic damage: implications for the etiology of schizophrenia. <b>2000</b> , 107, 71-83	39
945	Continuous place avoidance task reveals differences in spatial navigation in male and female rats. <b>2000</b> , 107, 161-9	22
944	Reversal learning deficit in a spatial task but not in a cued one after telencephalic ablation in goldfish. <b>2000</b> , 109, 91-8	70
943	Involvement of the hippocampus and associative parietal cortex in the use of proximal and distal landmarks for navigation. <b>2000</b> , 109, 195-206	124

942	Effects of centrolateral or medial thalamic lesions on motor coordination and spatial orientation in rats. <b>2000</b> , 38, 155-64	30
941	Functional inactivation of dorsal hippocampus impairs active place avoidance in rats. <b>2000</b> , 285, 53-6	54
940	Spatial learning affects immature granule cell survival in adult rat dentate gyrus. <b>2000</b> , 286, 21-4	171
939	Spatial memory and learning deficits after experimental pneumococcal meningitis in mice. <b>2000</b> , 296, 137-40	61
938	Behavior and brain uptake of fluorodeoxyglucose in mature and aged C57BL/6 mice. <b>2000</b> , 21, 705-18	10
937	Spatial learning in transgenic mice expressing human presenilin 1 (PS1) transgenes. <b>2000</b> , 21, 541-9	77
936	Chronic cerebrovascular ischemia in aged rats: effects on brain metabolic capacity and behavior. <b>2000</b> , 21, 225-33	23
935	Formation of temporal memory requires NMDA receptors within CA1 pyramidal neurons. <b>2000</b> , 25, 473-80	268
934	Contextual cueing of visual attention. <b>2000</b> , 4, 170-178	517
933	Fear conditioning-induced time- and subregion-specific increase in expression of mGlu5 receptor protein in rat hippocampus. <b>2000</b> , 39, 1943-51	69
932	Galanin and spatial learning in the rat. Evidence for a differential role for galanin in subregions of the hippocampal formation. <b>2000</b> , 39, 1386-403	38
931	Red ginseng ameliorated place navigation deficits in young rats with hippocampal lesions and aged rats. <b>2000</b> , 69, 511-25	48
930	Influence of the shape of the experimental room on spatial learning in rats. <b>2000</b> , 70, 351-7	12
929	Short-term behavioral and electrophysiological consequences of underwater trauma. <b>2000</b> , 70, 327-32	44
928	Exercise influences spatial learning in the radial arm maze. <b>2000</b> , 70, 425-9	170
927	Sexually dimorphic cognitive style, female sex hormones, and cortical nitric oxide. <b>2000</b> , 71, 277-87	20
926	Anticholinergic effects in frogs in a Morris water maze analog. <b>2000</b> , 69, 351-7	20
925	Behavioral assessment of visual acuity in mice and rats. <b>2000</b> , 40, 2201-9	384

924	Phenobarbital pre-treatment prevents kainic acid-induced impairments in acquisition learning. <b>2000</b> , 67, 643-50	18
923	Neural correlates of topographic mental exploration: the impact of route versus survey perspective learning. <b>2000</b> , 12, 588-600	186
922	Cognitive neuropharmacology: new perspectives for the pharmacology of cognition. <b>2000</b> , 41, 503-14	19
921	Strain-dependent differences in LTP and hippocampus-dependent memory in inbred mice. <b>2000</b> , 7, 170-9	186
920	Rat Cognitive Functions During and After Treatment with the Cannabinoid Agonist, HU 210. <b>2000</b> , 6, 243-246	1
919	Analysis of the connectional organization of neural systems associated with the hippocampus in rats. <b>2000</b> , 355, 55-70	52
918	A temporoparietal and prefrontal network for retrieving the spatial context of lifelike events. <b>2001</b> , 14, 439-53	404
917	Neural systems underlying episodic memory: insights from animal research. <b>2001</b> , 356, 1467-82	116
916	Intact LTP and fear memory but impaired spatial memory in mice lacking Ca(v)2.3 (alpha(IE)) channel. <b>2001</b> , 282, 242-8	49
915	Maternal care, gene expression, and the transmission of individual differences in stress reactivity across generations. <b>2001</b> , 24, 1161-92	2086
914	Stereological analysis of regional brain volumes and neuron numbers in rats displaying a spontaneous hydrocephalic condition. <b>2001</b> , 168, 88-95	13
913	Therapeutic effects of environmental enrichment on cognitive function and tissue integrity following severe traumatic brain injury in rats. <b>2001</b> , 168, 373-84	148
912	Group I metabotropic glutamate antagonist reduces acute neuronal degeneration and behavioral deficits after traumatic brain injury in rats. <b>2001</b> , 169, 191-9	54
911	Identification of a human brain-specific gene, calneuron 1, a new member of the calmodulin superfamily. <b>2001</b> , 72, 343-50	43
910	Assessment of sensorimotor and cognitive deficits induced by a moderate traumatic injury in the right parietal cortex of the rat. <b>2001</b> , 8, 1082-93	51
909	Circadian phase-shifted rats show normal acquisition but impaired long-term retention of place information in the water task. <b>2001</b> , 75, 51-62	113
908	Learning and memory in S100-beta transgenic mice: an analysis of impaired and preserved function. <b>2001</b> , 75, 230-43	49
907	Place and response learning of rats in a Morris water maze: differential effects of fimbria fornix and medial prefrontal cortex lesions. <b>2001</b> , 75, 164-78	106

906	The moving fire hydrant experiment: movement of objects to a new location reelicits marking in rats. <b>2001</b> , 75, 303-9	3
905	Differential interaction of platelet-activating factor and NMDA receptor function in hippocampal and dorsal striatal memory processes. <b>2001</b> , 75, 310-24	20
904	Effect of neonatal dentate gyrus lesion on allothetic and idiothetic navigation in rats. <b>2001</b> , 75, 190-213	22
903	Cognitive performances and locomotor activity following dentate granule cell damage in rats: role of lesion extent and type of memory tested. <b>2001</b> , 76, 81-105	114
902	Use of win-stay and win-shift strategies in place and cue tasks by medial caudate putamen (MCPu) lesioned rats. <b>2001</b> , 76, 192-208	19
901	Correlation between cognitive deficits and Abeta deposits in transgenic APP+PS1 mice. <b>2001</b> , 22, 377-85	161
900	Age differences in spatial memory in a virtual environment navigation task. <b>2001</b> , 22, 787-96	250
899	Transgenic mice with neuronal overexpression of bcl-2 gene present navigation disabilities in a water task. <b>2001</b> , 104, 207-15	19
898	Behavioral and biochemical effects of glutathione depletion in the rat brain. <b>2001</b> , 55, 327-33	50
897	Effects of ageing on allocentric and egocentric spatial strategies in the Wistar rat. <b>2001</b> , 53, 75-85	39
896	Grafting neural stem cells improved the impaired spatial recognition in ischemic rats. <b>2001</b> , 316, 9-12	90
895	Applications of the Morris water maze in the study of learning and memory. <b>2001</b> , 36, 60-90	1414
894	Sleep and memory: a molecular perspective. <b>2001</b> , 24, 237-43	172
893	Effects of medial and dorsal cortex lesions on spatial memory in lizards. <b>2001</b> , 118, 27-42	49
892	Deficits in allothetic and idiothetic spatial behavior in rats with posterior cingulate cortex lesions. <b>2001</b> , 118, 67-76	98
891	Ts65Dn mice, a model for Down syndrome, have deficits in context discrimination learning suggesting impaired hippocampal function. <b>2001</b> , 118, 53-60	91
890	Excitotoxic lesions of the rostral thalamic reticular nucleus do not affect the performance of spatial learning and memory tasks in the rat. <b>2001</b> , 120, 177-87	6
889	Effects of dentate nucleus lesions on spatial and postural sensorimotor learning in rats. <b>2001</b> , 122, 131-7	44

888	Spatial problem solving and hippocampal place cell firing in rats: control by an internal sense of direction carried across environments. <b>2001</b> , 123, 37-48	15
887	Interactions between histaminergic and cholinergic systems in learning and memory. <b>2001</b> , 124, 183-94	73
886	High levels of estradiol disrupt conditioned place preference learning, stimulus response learning and reference memory but have limited effects on working memory. <b>2001</b> , 126, 115-26	138
885	Faster is not surer--a comparison of C57BL/6J and 129S2/Sv mouse strains in the watermaze. <b>2001</b> , 125, 261-7	39
884	Behavioral tests of hippocampal function: simple paradigms complex problems. <b>2001</b> , 125, 269-77	173
883	Phenotyping complex behaviours: assessment of circadian control and 5-choice serial reaction learning in the mouse. <b>2001</b> , 125, 189-93	17
882	The hippocampus as an olfacto-motor mechanism: were the classical anatomists right after all?. <b>2001</b> , 127, 25-47	64
881	The hippocampal debate: are we asking the right questions?. <b>2001</b> , 127, 81-98	70
880	New views on old memories: re-evaluating the role of the hippocampal complex. <b>2001</b> , 127, 183-97	122
879	The hippocampus and declarative memory: cognitive mechanisms and neural codes. <b>2001</b> , 127, 199-207	333
878	APP processing and synaptic plasticity in presenilin-1 conditional knockout mice. <b>2001</b> , 31, 713-26	210
877	Kinase-independent requirement of EphB2 receptors in hippocampal synaptic plasticity. <b>2001</b> , 32, 1027-40	259
876	Anticonvulsant action and long-term effects of gabapentin in the immature brain. <b>2001</b> , 40, 139-47	71
875	Tianeptine and its enantiomers: effects on spatial memory in rats with medial septum lesions. <b>2001</b> , 41, 272-81	22
874	Hippocampus-dependent learning and memory is impaired in mice lacking the Ras-guanine-nucleotide releasing factor 1 (Ras-GRF1). <b>2001</b> , 41, 791-800	125
873	Age-dependent influence of dietary zinc restriction on short-term memory in male rats. <b>2001</b> , 72, 339-48	30
872	Learning impairments and motor dysfunctions in adult Lhx5-deficient mice displaying hippocampal disorganization. <b>2001</b> , 73, 781-92	70
871	Modulation of excitability as a learning and memory mechanism: a molecular genetic perspective. <b>2001</b> , 73, 803-10	64



870	Extended analysis of path data from mutant mice using the public domain software Wintrack. <b>2001</b> , 73, 745-53	113
869	Ameliorative effects of a cognitive enhancer, T-588, on place learning deficits induced by transient forebrain ischemia in rats. <b>2001</b> , 74, 227-35	5
868	Inducible and reversible enhancement of learning, memory, and long-term potentiation by genetic inhibition of calcineurin. <b>2001</b> , 104, 675-86	408
867	An important role of neural activity-dependent CaMKIV signaling in the consolidation of long-term memory. <b>2001</b> , 106, 771-83	230
866	Forebrain-specific calcineurin knockout selectively impairs bidirectional synaptic plasticity and working/episodic-like memory. <b>2001</b> , 107, 617-29	409
865	Spatial processing in the brain: the activity of hippocampal place cells. <b>2001</b> , 24, 459-86	138
864	Hippocampal place-cell firing during movement in three-dimensional space. <b>2001</b> , 85, 105-16	83
863	Brominated flame retardants: a novel class of developmental neurotoxicants in our environment?. <b>2001</b> , 109, 903-8	457
862	The conjoint importance of the hippocampus and anterior thalamic nuclei for allocentric spatial learning: evidence from a disconnection study in the rat. <b>2001</b> , 21, 7323-30	146
861	Les bases neurales de la mémoire spatiale chez l'animal : que nous disent les neurones de l'hippocampe ?. <b>2001</b> , 195, 355-361	2
860	Accumulation of hippocampal place fields at the goal location in an annular watermaze task. <b>2001</b> , 21, 1635-44	276
859	Navigation in Virtual Space: Psychological and Neural Aspects. <b>2001</b> , 10417-10422	1
858	The p38 mitogen-activated protein kinase is involved in associative learning in rabbits. <b>2001</b> , 21, 5513-9	52
857	Age-dependent cognitive deficits and neuronal apoptosis in cyclooxygenase-2 transgenic mice. <b>2001</b> , 21, 8198-209	206
856	Experience-dependent gene expression in the rat hippocampus after spatial learning: a comparison of the immediate-early genes Arc, c-fos, and zif268. <b>2001</b> , 21, 5089-98	586
855	Loss of hippocampal serine protease BSP1/neuropsin predisposes to global seizure activity. <b>2001</b> , 21, 6993-7000	112
854	Neonatal novelty exposure modulates hippocampal volumetric asymmetry in the rat. <b>2001</b> , 12, 3019-22	54
853	The AMPA receptor allosteric potentiator PEPA ameliorates post-ischemic memory impairment. <b>2001</b> , 12, 2947-50	13

852	Behavioral/environmental intervention improves learning after cerebral hypoxia-ischemia in rats. <b>2001</b> , 32, 2192-7	44
851	Evidence that mnesic states govern normal and disordered memory. <b>2001</b> , 12, 575-89	30
850	Deterioration of spatial learning performances in lipopolysaccharide-treated mice. <b>2001</b> , 87, 195-201	105
849	Excitotoxic lesions of the pre- and parasubiculum disrupt object recognition and spatial memory processes. <b>2001</b> , 115, 112-24	35
848	The effect of excitotoxic lesions centered on the hippocampus or perirhinal cortex in object recognition and spatial memory tasks. <b>2001</b> , 115, 94-111	106
847	How do animals actually solve the T maze?. <b>2001</b> , 115, 850-860	85
846	Rats with hippocampal lesions can learn a place response, but how long can they retain it?. <b>2001</b> , 115, 1048-1058	7
845	Behavioral characterization of dopamine D <sub>1</sub> receptor null mutant mice.. <b>2001</b> , 115, 1129-1144	136
844	Excitotoxic lesions of the hippocampus leave sensory preconditioning intact: Implications for models of hippocampal functioning.. <b>2001</b> , 115, 1357-1362	31
843	Transient sex differences in the between-sessions but not in the within-session memory underlying an active place avoidance task in weanling rats.. <b>2001</b> , 115, 695-703	17
842	Ontogeny of spatial navigation in rats: A role for response requirements?. <b>2001</b> , 115, 870-879	43
841	Age-related deficits in context discrimination learning in Ts65Dn mice that model Down syndrome and Alzheimer's disease.. <b>2001</b> , 115, 1239-1246	67
840	Cognitive dysfunction and histological findings in adult rats one year after whole brain irradiation. <b>2001</b> , 41, 590-8	44
839	Cardiopulmonary bypass induces neurologic and neurocognitive dysfunction in the rat. <b>2001</b> , 95, 1485-91	57
838	Impaired recognition of the goal location during spatial navigation in rats with hippocampal lesions. <b>2001</b> , 21, 4505-13	74
837	Simvastatin protects against long-lasting behavioral and morphological consequences of neonatal hypoxic/ischemic brain injury. <b>2001</b> , 32, 2185-91	76
836	Chronic intracerebroventricular exposure to beta-amyloid(1-40) impairs object recognition but does not affect spontaneous locomotor activity or sensorimotor gating in the rat. <b>2001</b> , 136, 93-100	15
835	Dorsal striatal head direction and hippocampal place representations during spatial navigation. <b>2001</b> , 139, 372-6	52

834	The role of the entorhinal cortex in two forms of spatial learning and memory. <b>2001</b> , 141, 281-303	73
833	Spatial learning in turtles. <b>2001</b> , 4, 49-59	48
832	Cognitive and histopathological outcome after weight-drop brain injury in the rat: influence of systemic administration of monoclonal antibodies to ICAM-1. <b>2001</b> , 102, 246-56	17
831	Cognitive and behavioral assessment in experimental stroke research: will it prove useful?. <b>2001</b> , 25, 325-42	120
830	Effect of lamotrigine treatment on status epilepticus-induced neuronal damage and memory impairment in rat. <b>2001</b> , 46, 205-23	43
829	Dorsal hippocampal lesions impair appetitive classical conditioning to localized cues. <b>2001</b> , 13, 1435-43	5
828	Chronic administration of docosahexaenoic acid improves the performance of radial arm maze task in aged rats. <b>2001</b> , 28, 266-70	165
827	Place fields of rat hippocampal pyramidal cells and spatial learning in the watermaze. <b>2001</b> , 13, 1197-208	41
826	Hippocampus and homing in pigeons: left and right hemispheric differences in navigational map learning. <b>2001</b> , 13, 1617-24	49
825	Differential activation of hippocampus and amygdala following spatial learning under stress. <b>2001</b> , 14, 719-25	108
824	Topology of ionotropic glutamate receptors in brains of heterozygous and homozygous weaver mutant mice. <b>2001</b> , 42, 213-33	2
823	Stress, hippocampal plasticity, and spatial learning. <b>2001</b> , 40, 180-3	78
822	Hippocampal dependent learning ability correlates with N-methyl-D-aspartate (NMDA) receptor levels in CA3 neurons of young and aged rats. <b>2001</b> , 432, 230-43	95
821	Conservation of neuronal number and size in the entorhinal cortex of behaviorally characterized aged rats. <b>2001</b> , 438, 445-56	89
820	Dorsal/ventral hippocampus, fornix, and conditioned place preference. <b>2001</b> , 11, 187-200	161
819	Competitive Hebbian learning and the hippocampal place cell system: modeling the interaction of visual and path integration cues. <b>2001</b> , 11, 216-39	24
818	Evidence for a relationship between place-cell spatial firing and spatial memory performance. <b>2001</b> , 11, 377-90	75
817	Noradrenergic regulation of hippocampal place cells. <b>2001</b> , 11, 793-808	9

816	GABAergic septohippocampal neurons are not necessary for spatial memory. <b>2001</b> , 11, 814-27	74
815	Retrograde amnesia after hippocampal damage: recent vs. remote memories in two tasks. <b>2001</b> , 11, 27-42	144
814	Episodic-like memory in animals: psychological criteria, neural mechanisms and the value of episodic-like tasks to investigate animal models of neurodegenerative disease. <b>2001</b> , 356, 1453-65	165
813	Cognitive function and cholinergic neurochemistry in weanling rats exposed to chlorpyrifos. <b>2001</b> , 174, 89-98	61
812	The Compatibility of Complex Systems and Reduction: A Case Analysis of Memory Research. <b>2001</b> , 11, 483-502	29
811	Blocking in landmark-based search in honeybees. <b>2001</b> , 29, 1-9	21
810	Effects of dorsal-striatum lesions and fimbria-fornix lesions on the problem-solving strategies of rats in a shallow water maze. <b>2001</b> , 1, 229-38	9
809	The effects of lesions to the rat hippocampus or rhinal cortex on olfactory and spatial memory: retrograde and anterograde findings. <b>2001</b> , 1, 270-86	42
808	Alterations in brain function after loss of docosahexaenoate due to dietary restriction of n-3 fatty acids. <b>2001</b> , 16, 299-307; discussion 317-21	88
807	The effects of prenatal stress on learning in rats in a Morris maze. <b>2001</b> , 31, 71-4	24
806	Neurotensin analog NT69L induces rapid and prolonged hypothermia after hypoxic ischemia. <b>2001</b> , 8, 1115-21	24
805	Interneurons unbound. <b>2001</b> , 2, 11-23	548
804	Recognition memory: what are the roles of the perirhinal cortex and hippocampus?. <b>2001</b> , 2, 51-61	1222
803	Alpha-CaMKII-dependent plasticity in the cortex is required for permanent memory. <i>Nature</i> , <b>2001</b> , 411, 309-13	504 330
802	Ethanol-Induced Impairments in Spatial Working Memory Are Not Due to Deficits in Learning. <b>2001</b> , 25, 856-861	29
801	Prenatal Stress, Glucocorticoids and the Programming of the Brain. <b>2001</b> , 13, 113-128	476
800	Neonatal exposure to a novel environment enhances the effects of corticosterone on neuronal excitability and plasticity in adult hippocampus. <b>2001</b> , 130, 1-7	34
799	Timing of cognitive deficits following neonatal seizures: relationship to histological changes in the hippocampus. <b>2001</b> , 131, 73-83	91

798	Reversal of morphine-induced memory impairment in mice by withdrawal in Morris water maze: possible involvement of cholinergic system. <b>2001</b> , 68, 507-13	66
797	Chlordiazepoxide specifically impairs nonspatial reference memory in the cued radial arm maze in rats. <b>2001</b> , 70, 133-9	8
796	The effect of a moderate level of white wine consumption on the hypothalamic-pituitary-adrenal axis before and after a meal. <b>2001</b> , 70, 243-50	15
795	Cortical oscillations in human medial temporal lobe during wakefulness and all-night sleep. <b>2001</b> , 891, 7-19	45
794	Exercise increases metabolic capacity in the motor cortex and striatum, but not in the hippocampus. <b>2001</b> , 891, 168-75	78
793	Differential effects of pentylentetrazol-kindling on long-term potentiation of population excitatory postsynaptic potentials and population spikes in the CA1 region of rat hippocampus. <b>2001</b> , 898, 82-90	16
792	Longitudinal analysis of motor activity and coordination, anxiety, and spatial learning in mice with altered blood pressure. <b>2001</b> , 910, 99-105	9
791	Egocentric boundary vector tuning of the retrosplenial cortex. <b>2020</b> , 6, eaaz2322	51
790	Neurobiological successor features for spatial navigation. <b>2020</b> , 30, 1347-1355	16
789	Neuroprotective and memory-enhancing effects of methanolic leaf extract of in rat model of type 2 diabetes mellitus. <b>2020</b> , 6, e04011	0
788	Prolonged methamphetamine exposure during a critical period in neonatal Sprague Dawley rats does not exacerbate egocentric and allocentric learning deficits but increases reference memory impairments. <b>2020</b> , 80, 163-174	1
787	Enhanced white matter reorganization and activated brain glucose metabolism by enriched environment following ischemic stroke: Micro PET/CT and MRI study. <b>2020</b> , 176, 108202	5
786	Assembly-Specific Disruption of Hippocampal Replay Leads to Selective Memory Deficit. <b>2020</b> , 106, 291-300.e639	
785	Plasticity in Limbic Regions at Early Time Points in Experimental Models of Tinnitus. <b>2019</b> , 13, 88	14
784	Object and place information processing by CA1 hippocampal neurons of C57BL/6J mice. <b>2020</b> , 123, 1247-1264	3
783	Sexual dimorphism in cognitive disorders in a murine model of neuropathic pain. <b>2020</b> , 16, 1	5
782	A Role for the Locus Coeruleus in Hippocampal CA1 Place Cell Reorganization during Spatial Reward Learning. <b>2020</b> , 105, 1018-1026.e4	41
781	Hippocampal growth hormone modulates relational memory and the dendritic spine density in CA1. <b>2020</b> , 27, 33-44	2

780	Exosomal 2',3'-CNP from mesenchymal stem cells promotes hippocampus CA1 neurogenesis/neuritogenesis and contributes to rescue of cognition/learning deficiencies of damaged brain. <b>2020</b> , 9, 499-517	17
779	The role of protein disulphide-isomerase A3 as autoantigen in the pathogenesis of autoimmune thyroiditis and related brain damage in adult mice. <b>2020</b> , 212, 108350	4
778	Disrupting nNOS-PSD95 Interaction Improves Neurological and Cognitive Recoveries after Traumatic Brain Injury. <b>2020</b> , 30, 3859-3871	14
777	Navigating Through Time: A Spatial Navigation Perspective on How the Brain May Encode Time. <b>2020</b> , 43, 73-93	11
776	Elucidating the role of protein synthesis in hippocampus-dependent memory consolidation across the day and night. <b>2021</b> , 54, 6972-6981	6
775	Syntaxin-3 is dispensable for basal neurotransmission and synaptic plasticity in postsynaptic hippocampal CA1 neurons. <b>2020</b> , 10, 709	3
774	Replay of Behavioral Sequences in the Medial Prefrontal Cortex during Rule Switching. <b>2020</b> , 106, 154-165.e6	26
773	Age-dependent effects of testosterone on spatial memory in male rats. <b>2020</b> , 122, 104748	1
772	Complementary roles of differential medial entorhinal cortex inputs to the hippocampus for the formation and integration of temporal and contextual memory (Systems Neuroscience). <b>2021</b> , 54, 6762-6779	5
771	Anatomy and function of the fornix in the context of its potential as a therapeutic target. <b>2020</b> , 91, 547-559	20
770	Ginsenoside Rg1 ameliorates the cognitive deficits in D-galactose and AlCl <sub>3</sub> -induced aging mice by restoring FGF2-Akt and BDNF-TrkB signaling axis to inhibit apoptosis. <b>2020</b> , 17, 1048-1055	11
769	Liposomal drug delivery of Aphanamixis polystachya leaf extracts and its neurobehavioral activity in mice model. <b>2020</b> , 10, 6938	12
768	Effects of exercise timing and intensity on neuroplasticity in a rat model of cerebral infarction. <b>2020</b> , 160, 50-55	4
767	Habitual use of GPS negatively impacts spatial memory during self-guided navigation. <b>2020</b> , 10, 6310	24
766	Resveratrol Prevents Cognitive Impairment in Type 2 Diabetic Mice by Upregulating Nrf2 Expression and Transcriptional Level. <b>2020</b> , 13, 1061-1075	7
765	Effects of corticosterone injections in mid-to-late mouse postnatal development on adult motor activity and coordination. <b>2021</b> , 164, 22-32	1
764	Changes in hippocampal capillaries in transgenic type 2 diabetic mice: A stereological investigation. <b>2021</b> , 304, 1071-1083	
763	Liquiritigenin Decreases A $\beta$ Levels and Ameliorates Cognitive Decline by Regulating Microglia M1/M2 Transformation in AD Mice. <b>2021</b> , 39, 349-358	14

762	Neural basis of unfamiliar conspecific recognition in domestic chicks ( <i>Gallus Gallus domesticus</i> ). <b>2021</b> , 397, 112927	3
761	Static internal representation of dynamic situations reveals time compaction in human cognition. <b>2021</b> , 28, 111-125	4
760	Anti-Lingo-1 antibody ameliorates spatial memory and synapse loss induced by chronic stress. <b>2021</b> , 529, 1571-1583	
759	Environmental noise degrades hippocampus-related learning and memory. <b>2021</b> , 118,	3
758	Reframing spatial frames of reference: What can aging tell us about egocentric and allocentric navigation?. <b>2021</b> , 12, e1549	1
757	Egocentric and Allocentric Spatial Memory in Mild Cognitive Impairment with Real-World and Virtual Navigation Tasks: A Systematic Review. <b>2021</b> , 79, 95-116	5
756	Perirhinal cortex area 35 controls the functional link between the perirhinal and entorhinal-hippocampal circuitry: D-type potassium channel-mediated gating of neural propagation from the perirhinal cortex to the entorhinal-hippocampal circuitry. <b>2021</b> , 43, e2000084	2
755	Effects of chronic stress on depressive-like behaviors and JMJD3 expression in the prefrontal cortex and hippocampus of C57BL/6 and ob/ob mice. <b>2021</b> , 133, 142-155	3
754	Curcumin mitigates neurotoxic and neurobehavioral changes of gentamicin and sodium salicylate in rats by adjusting oxidative stress and apoptosis. <b>2021</b> , 265, 118824	6
753	The effects of hippocampal and area parahippocampalis lesions on the processing and retention of serial-order behavior, autoshaping, and spatial behavior in pigeons. <b>2021</b> , 31, 261-280	4
752	Trait affective differences influence behavioral flexibility in virtual spatial and non-spatial discrimination tasks. <b>2021</b> , 170, 110424	1
751	Galangin attenuated cerebral ischemia-reperfusion injury by inhibition of ferroptosis through activating the SLC7A11/GPX4 axis in gerbils. <b>2021</b> , 264, 118660	23
750	Frames-of-Reference based Learning: Overcoming Perceptual Aliasing in Multi-Step Decision Making Tasks. <b>2021</b> , 1-1	2
749	Learning and memory disorders related to hippocampal inflammation following exposure to air pollution. <b>2021</b> , 19, 261-272	11
748	Bilateral vestibulopathy causes selective deficits in recombining novel routes in real space. <b>2021</b> , 11, 2695	7
747	Dementia model mice exhibited improvements of neuropsychiatric symptoms as well as cognitive dysfunction with neural cell transplantation. <b>2021</b> , 70, 387-397	1
746	Female dominance of both spatial cognitive dysfunction and neuropsychiatric symptoms in a mouse model of Alzheimer's disease. <b>2021</b> , 70, 398-405	1
745	Goal-directed interaction of stimulus and task demand in the parahippocampal region. <b>2021</b> , 31, 717-736	6

744	Individual differences in theta-band oscillations in a spatial memory network revealed by electroencephalography predict rapid place learning.. <b>2021</b> , 5, 23982128211002725	0
743	Hippocampal representations of distance, space, and direction and their plasticity predict navigational performance.	1
742	Lead and Excitotoxicity. <b>2021</b> , 1-39	
741	Voltage-independent GluN2A-type NMDA receptor Ca signaling promotes audiogenic seizures, attentional and cognitive deficits in mice. <b>2021</b> , 4, 59	9
740	The effects of cardiorespiratory fitness on brain and cognitive aging. <b>2021</b> , 415-426	1
739	A Structure-Function Substrate of Memory for Spatial Configurations in Medial and Lateral Temporal Cortices. <b>2021</b> , 31, 3213-3225	1
738	Diffusion kurtosis imaging to evaluate the effect and mechanism of tetramethylpyrazine on cognitive impairment induced by lipopolysaccharide in rats. <b>2021</b> , 15, 2492-2501	1
737	The Impact of Neonatal Methamphetamine on Spatial Learning and Memory in Adult Female Rats. <b>2021</b> , 15, 629585	
736	A spatial map out of place. <b>2021</b> , 31, 605-606	1
735	Effect of uremic toxins on hippocampal cell damage: analysis in vitro and in rat model of chronic kidney disease. <b>2021</b> , 7, e06221	4
734	Pergularia daemia alters epileptogenesis and attenuates cognitive impairment in kainate-treated mice: Insight into anti-inflammatory mechanisms. <b>2021</b> , 115, 107707	3
733	Hippocampal sharp wave-ripples and the associated sequence replay emerge from structured synaptic interactions in a network model of area CA3.	0
732	DL-3-n-Butylphthalide Reduces Cognitive Deficits and Alleviates Neuropathology in P301S Tau Transgenic Mice. <b>2021</b> , 15, 620176	1
731	Late-in-life neurodegeneration after chronic sleep loss in young adult mice. <b>2021</b> , 44,	7
730	A Spatial Cognitive Model that Integrates the Effects of Endogenous and Exogenous Information on the Hippocampus and Striatum. <b>2021</b> , 18, 632-644	1
729	EEG, MEG and neuromodulatory approaches to explore cognition: Current status and future directions. <b>2021</b> , 148, 105677	1
728	Lowering Synaptogyrin-3 expression rescues Tau-induced memory defects and synaptic loss in the presence of microglial activation. <b>2021</b> , 109, 767-777.e5	9
727	Effects of Dizocilpine, Midazolam and Their Co-Application on the Trimethyltin (TMT)-Induced Rat Model of Cognitive Deficit. <b>2021</b> , 11,	2



726	Behaviour-driven Arc expression is greater in dorsal than ventral CA1 regardless of task or sex differences.	
725	Effects of combination antiretroviral drugs (cART) on hippocampal neuroplasticity in female mice. <b>2021</b> , 27, 325-333	0
724	A modified four vessel occlusion model of global cerebral ischemia in rats. <b>2021</b> , 352, 109090	2
723	Ferulic Acid Ameliorates Alzheimer's Disease-like Pathology and Repairs Cognitive Decline by Preventing Capillary Hypofunction in APP/PS1 Mice. <b>2021</b> , 18, 1064-1080	11
722	Conjugated Linoleic Acid-Curcumin Attenuates Cognitive Deficits and Oxidative Stress Parameters in the Ethidium Bromide-Induced Model of Demyelination. <b>2021</b> , 39, 815-825	2
721	Le développement de la mémoire spatiale chez l'enfant entre 2 et 9 ans. <b>2021</b> , N° 5, 19-35	
720	Chronic Cyanuric Acid Exposure Depresses Hippocampal LTP but Does Not Disrupt Spatial Learning or Memory in the Morris Water Maze. <b>2021</b> , 39, 1148-1159	7
719	The aging mouse brain: cognition, connectivity and calcium. <b>2021</b> , 94, 102358	3
718	Cognitive effects of the GSK-3 inhibitor "lithium" in LPS/chronic mild stress rat model of depression: Hippocampal and cortical neuroinflammation and tauopathy. <b>2021</b> , 83, 77-88	2
717	Flexible use of memory by food-caching birds in a laboratory behavioral paradigm.	
716	The effect of early list manipulations on the DRM illusion. <b>2021</b> , 74, 1924-1934	
715	The Potential Role of Protein Kinase R as a Regulator of Age-Related Neurodegeneration. <b>2021</b> , 13, 638208	3
714	Xiaoyaosan Alleviates Hippocampal Glutamate-Induced Toxicity in the CUMS Rats via NR2B and PI3K/Akt Signaling Pathway. <b>2021</b> , 12, 586788	5
713	Perineuronal nets affect memory and learning after synapse withdrawal.	0
712	A Neural Model of Intrinsic and Extrinsic Hippocampal Theta Rhythms: Anatomy, Neurophysiology, and Function. <b>2021</b> , 15, 665052	0
711	Virtual Morris water maze: opportunities and challenges. <b>2021</b> , 32, 887-903	2
710	The prostate cancer therapy enzalutamide compared with abiraterone acetate/prednisone impacts motivation for exploration, spatial learning and alters dopaminergic transmission in aged castrated mice.	
709	An assessment of the functional effects of amphetamine-induced dendritic changes in the nucleus accumbens, medial prefrontal cortex, and hippocampus on different types of learning and memory function. <b>2021</b> , 180, 107408	

708	Spatial memory: Place cell activity is causally related to behavior. <b>2021</b> , 31, R335-R337	0
707	Sedentary Life and Reduced Mastication Impair Spatial Learning and Memory and Differentially Affect Dentate Gyrus Astrocyte Subtypes in the Aged Mice. <b>2021</b> , 15, 632216	1
706	A New Approach to Model Sporadic Alzheimer's Disease by Intracerebroventricular Streptozotocin Injection in APP/PS1 Mice. <b>2021</b> , 58, 3692-3711	2
705	Spatial navigation signals in rodent visual cortex. <b>2021</b> , 67, 163-173	9
704	A Critical Review of Spatial Abilities in Down and Williams Syndromes: Not All Space Is Created Equal. <b>2021</b> , 12, 669320	2
703	Acer Truncatum Seed Oil Alleviates Learning and Memory Impairments of Aging Mice. <b>2021</b> , 9, 680386	1
702	High-intensity Intermittent Training Enhances Spatial Memory and Hippocampal Neurogenesis Associated with BDNF Signaling in Rats. <b>2021</b> , 31, 4386-4397	5
701	Resveratrol improved hippocampal neurogenesis following lead exposure in rats through activation of SIRT1 signaling. <b>2021</b> , 36, 1664-1673	7
700	Modality-Specific Impairment of Hippocampal CA1 Neurons of Alzheimer's Disease Model Mice. <b>2021</b> , 41, 5315-5329	4
699	Multisensory visuo-tactile context learning enhances the guidance of unisensory visual search. <b>2021</b> , 11, 9439	1
698	Tau Pathology Profile Across a Parietal-Hippocampal Brain Network Is Associated With Spatial Reorientation Learning and Memory Performance in the 3xTg-AD Mouse. <b>2021</b> , 2,	1
697	Cue combination in goal-oriented navigation. <b>2021</b> , 74, 1981-2001	0
696	Tumor necrosis factor $\alpha$ negatively regulates the retrieval and reconsolidation of hippocampus-dependent memory. <b>2021</b> , 94, 79-88	2
695	Sleep Leads to Brain-Wide Neural Changes Independent of Allocentric and Egocentric Spatial Training in Humans and Rats. <b>2021</b> , 31, 4970-4985	3
694	Evolution of memory system-related genes. <b>2021</b> , 11, 3201-3210	1
693	The HexMaze: A Previous Knowledge Task on Map Learning for Mice. <b>2021</b> , 8,	1
692	Phase precession in the human hippocampus and entorhinal cortex. <b>2021</b> , 184, 3242-3255.e10	18
691	Anterior Thalamic Inputs Are Required for Subiculum Spatial Coding, with Associated Consequences for Hippocampal Spatial Memory. <b>2021</b> , 41, 6511-6525	5

690	Adaptable and Automated Rodent Behavior Maze System.	
689	The nucleus reuniens, a thalamic relay for cortico-hippocampal interaction in recent and remote memory consolidation. <b>2021</b> , 125, 339-354	6
688	Protective Effect of Hydroxysafflor Yellow A against Chronic Mild Stress-induced Memory Impairments by Suppressing Tau Phosphorylation in Mice. <b>2021</b> , 41, 555-564	0
687	Training level reveals a dynamic dialogue between stress and memory systems in birds. <b>2021</b> , 408, 113280	2
686	Hippocampal place cells use vector computations to navigate.	
685	In Vitro and In Vivo Efficacies of the Linear and the Cyclic Version of an All-d-Enantiomeric Peptide Developed for the Treatment of Alzheimer's Disease. <b>2021</b> , 22,	3
684	Learning The Knowledge: How London Taxi Drivers Build Their Cognitive Map of London.	2
683	Functional differentiation in the transverse plane of the hippocampus: An update on activity segregation within the DG and CA3 subfields. <b>2021</b> , 171, 35-43	0
682	Neurotrophic Treatment Initiated During Early Postnatal Development Prevents the Alzheimer-Like Behavior and Synaptic Dysfunction. <b>2021</b> , 82, 631-646	1
681	Within-Trial Persistence of Learned Behavior as a Dissociable Behavioral Component in Hippocampus-Dependent Memory Tasks: A Potential Postlearning Role of Immature Neurons in the Adult Dentate Gyrus. <b>2021</b> , 8,	1
680	Clinically Used Hormone Formulations Differentially Impact Memory, Anxiety-Like, and Depressive-Like Behaviors in a Rat Model of Transitional Menopause. <b>2021</b> , 15, 696838	0
679	The Prostate Cancer Therapy Enzalutamide Compared with Abiraterone Acetate/Prednisone Impacts Motivation for Exploration, Spatial Learning and Alters Dopaminergic Transmission in Aged Castrated Mice. <b>2021</b> , 13,	1
678	Neural representations of space in the hippocampus of a food-caching bird. <b>2021</b> , 373, 343-348	9
677	Increasing dietary choline attenuates spatial memory deficits resulting from exposure to the chemotherapeutic agents cyclophosphamide and doxorubicin. <b>2021</b> , 35, 1300-1309	0
676	Effects of Combined Anti-Hypertensive and Statin Treatment on Memory, Fear Extinction, Adult Neurogenesis, and Angiogenesis in Adult and Middle-Aged Mice. <b>2021</b> , 10,	0
675	Lapatinib ditosylate rescues memory impairment in D-galactose/ovariectomized rats: Potential repositioning of an anti-cancer drug for the treatment of Alzheimer's disease. <b>2021</b> , 341, 113697	4
674	Dissociating spatial strategies in animal research: Critical methodological review with focus on egocentric navigation and the hippocampus. <b>2021</b> , 126, 57-78	0
673	Resolving cellular and molecular diversity along the hippocampal anterior-to-posterior axis in humans. <b>2021</b> , 109, 2091-2105.e6	11

- 672 Cannabidiol Confers Neuroprotection in Rats in a Model of Transient Global Cerebral Ischemia: Impact of Hippocampal Synaptic Neuroplasticity. **2021**, 58, 5338-5355 1
- 671 Differential prioritization of intramaze cue and boundary information during spatial navigation across the human lifespan. **2021**, 11, 15257 2
- 670 Facial Nerve Axotomy Induces Changes on Hippocampal CA3-to-CA1 Long-term Synaptic Plasticity. **2021**, 475, 197-205 1
- 669 Disruption of the grid cell network in a mouse model of early Alzheimer's disease. 0
- 668 The Role of Idiopathic Signals, Landmarks, and Conjunctive Representations in the Development of Place and Head-Direction Cells: A Self-Organizing Neural Network Model.. **2022**, 3, tgab052 0
- 667 Organization of exploratory behavior under dark conditions in female and male rats. **2021**, 189, 104437 0
- 666 Functional Aging in Male C57BL/6J Mice Across the Life-Span: A Systematic Behavioral Analysis of Motor, Emotional, and Memory Function to Define an Aging Phenotype. **2021**, 13, 697621 9
- 665 Spatial working memory in rats: Crucial role of the hippocampus in the allothetic place avoidance alternation task demanding stimuli segregation. **2021**, 412, 113414 1
- 664 Validation of memory assessment in the Star maze task: Data from 14 month-old APPPS1 mice and controls. **2021**, 37, 107266 0
- 663 Epigallocatechin-3-gallate improves chronic alcohol-induced cognitive dysfunction in rats by interfering with neuro-inflammatory, cell death and oxido-nitrosative cascade. **2021**, 36, 2141-2153 2
- 662 Long term neuroprotective effects of acute single dose MK-801 treatment against traumatic brain injury in immature rats. **2021**, 88, 102161 2
- 661 Arhgap22 Disruption Leads to RAC1 Hyperactivity Affecting Hippocampal Glutamatergic Synapses and Cognition in Mice. **2021**, 58, 6092-6110 0
- 660 The 4-Hole-Board Test for Assessment of Long-Term Spatial Memory in Mice. **2021**, 1, e228 1
- 659 Prediction and verification of the AD-FTLD common pathomechanism based on dynamic molecular network analysis. **2021**, 4, 961 1
- 658 Hypothalamic Glutamate/GABA Cotransmission Modulates Hippocampal Circuits and Supports Long-Term Potentiation. **2021**, 41, 8181-8196 1
- 657 Effectiveness of low-power laser therapy in improvement of the peripheral neuropathy induced by xenobiotics in rats. **2021**, 27, 101085 0
- 656 Optogenetic suppression of the medial septum impairs working memory maintenance. **2021**, 28, 361-370 0
- 655 Oxyphylla A ameliorates cognitive deficits and alleviates neuropathology via the Akt-GSK3 $\beta$  and Nrf2-Keap1-HO-1 pathways in and in murine models of Alzheimer's disease.. **2021**, 34, 1-12 3

654	Early Spatial Memory Impairment in a Double Transgenic Model of Alzheimer's Disease TgF-344 AD. <b>2021</b> , 11,	1
653	The structure of hippocampal CA1 interactions optimizes spatial coding across experience.	0
652	Endotaxis: A Universal Algorithm for Mapping, Goal-Learning, and Navigation.	1
651	The effects of spatial stability and cue type on spatial learning: Implications for theories of parallel memory systems. <b>2021</b> , 214, 104802	2
650	CDKL5 Deficiency Augments Inhibitory Input into the Dentate Gyrus That Can Be Reversed by Deep Brain Stimulation. <b>2021</b> , 41, 9031-9046	3
649	Propofol protects hippocampal neurons in sleep-deprived rats by inhibiting mitophagy and autophagy. <b>2021</b> , 9, 1427	1
648	Lycopene ameliorates propionic acid-induced autism spectrum disorders by inhibiting inflammation and oxidative stress in rats. <b>2021</b> , 45, e13922	2
647	Behavioural Functions and Cerebral Blood Flow in a P301S Tauopathy Mouse Model: A Time-Course Study. <b>2021</b> , 22,	3
646	Rapamycin prevents the long-term impairing effects of adolescence $\Delta^9$ -tetrahydrocannabinol on memory and plasticity in male rats. <b>2021</b> , 54, 6104-6122	1
645	Neurogenesis in the maternal rodent brain: impacts of gestation-related hormonal regulation, stress and obesity. <b>2021</b> ,	1
644	Silencing of hippocampal synaptic transmission impairs spatial reward search on a head-fixed tactile treadmill task.	
643	c-Abl regulates a synaptic plasticity-related transcriptional program involved in memory and learning. <b>2021</b> , 205, 102122	1
642	Object recognition and Morris water maze to detect cognitive impairment from mild hippocampal damage in rats: A reflection based on the literature and experience. <b>2021</b> , 210, 173273	5
641	Voltage-dependent potassium channel Kv4.2 alleviates the ischemic stroke impairments through activating neurogenesis. <b>2021</b> , 150, 105155	
640	Medial entorhinal cortex lesions produce delay-dependent disruptions in memory for elapsed time. <b>2021</b> , 185, 107507	0
639	Ameliorative effect of myrcene in mouse model of Alzheimer's disease. <b>2021</b> , 911, 174529	1
638	Do spatial and recognition memories have a lateralized processing by the dorsal hippocampus CA3?. <b>2022</b> , 416, 113566	
637	Cognitive effects of nutraceuticals. <b>2021</b> , 41-61	

- 636 Reinforcement learning approaches to hippocampus-dependent flexible spatial navigation. **2021**, 5, 2398212820975634
- 635 The relationship between mental and physical space and its impact on topographical disorientation. **2021**, 178, 195-211
- 634 Electroacupuncture Ameliorates Neuroinflammation-Mediated Cognitive Deficits through Inhibition of NLRP3 in Presenilin1/2 Conditional Double Knockout Mice. **2021**, 2021, 8814616 3
- 633 Training level reveals a dynamic dialogue between stress and memory systems in birds.
- 632 Metal induced Neurotoxicity and Neurodegeneration. **2021**, 301-321
- 631 Exploration of the Visual System: Part 2: In Vivo Analysis Methods: Virtual-Reality Optomotor System, Fundus Examination, and Fluorescent Angiography. **2012**, 2, 207-18 3
- 630 Enhancement of select cognitive domains with rosiglitazone implicates dorsal hippocampus circuitry sensitive to PPAR $\alpha$  agonism in an Alzheimer's mouse model. **2021**, 11, e01973 7
- 629 Artificial Neural Networks and Artificial Evolution as Tools to Study Organization of Spatial Behavior in Rats. **2001**, 236-241 2
- 628 Spatial Orientation and Spatial Memory Within a Locomotor Maze For Humans. **1998**, 429-446 5
- 627 Cognitive Impairment in Transgenic A $\beta$  and Tau Models of Alzheimer's Disease. **2007**, 77-91 1
- 626 Intersecting Genetics with Lifestyle: the Role of Exercise and Diet in Synaptic Plasticity and Cognitive Enhancement. 337-375 1
- 625 The Septohippocampal System and Path Integration. **2000**, 270-297 4
- 624 Neuropsychology of Spatial Memory. **1988**, 77-108 5
- 623 New Pharmacological Perspectives on Nootropic Drugs. **1988**, 437-469 5
- 622 The Cholinergic Hypothesis of Memory: A Review of Animal Experiments. **1988**, 237-323 64
- 621 Learning and Memory in Bats: A Case Study on Object Discrimination in Flower-Visiting Bats. **2013**, 207-224 2
- 620 The Growth of Cognitive Structure in Monkeys and Men. **2002**, 269-314 6
- 619 Malnutrition and the Developing Central Nervous System. **1992**, 3-44 47

618	Differential Effect of Aging on Hippocampal Pyramidal Cell Responses to Muscarine and Nicotine. <b>1992</b> , 57-73	2
617	The Role of the Hippocampus in the Morris Water Maze. <b>1998</b> , 101-106	3
616	Avian hippocampus as a model to study spatial orientation-related synaptic plasticity. <b>1998</b> , 446, 107-29	3
615	Infantile Amnesia. <b>1984</b> , 145-172	66
614	The Contribution of the Serotonergic Innervation of the Hippocampus to the Effects of Combined Cholinergic/Serotonergic Deficits. <b>1992</b> , 228-239	3
613	Thyroid hormone control of brain and motor development: molecular, neuroanatomical, and behavioral studies. <b>1991</b> , 299, 47-105	31
612	Posterior Cingulate Cortex and Spatial Memory: A Microlimnology Analysis. <b>1993</b> , 461-477	66
611	The Effects of Nicotine on Learning and Memory. <b>2014</b> , 217-237	4
610	The Mazes. <b>2015</b> , 37-72	2
609	The Watermaze. <b>2015</b> , 73-92	4
608	Pharmacologically Manipulating Learning and Memory. <b>2015</b> , 165-210	1
607	Strategies for Behaviorally Phenotyping the Transgenic Mouse. <b>2020</b> , 2066, 171-194	1
606	Animal Models Used in Cerebral Ischemia and Stroke Research. <b>1997</b> , 265-294	4
605	Transgenic and Knockout Models of Psychiatric Disorders. <b>2006</b> , 3-23	1
604	Comparison of Different Cognitive Rat Models of Human Aging. <b>2009</b> , 1-30	3
603	Behavioral Correlates of Neuronal Activity Recorded as Single-Units: Promises and Pitfalls as Illustrated by the Rodent Head Direction Cell Signal. <b>2011</b> , 127-167	1
602	Monitoring spatial learning and memory in Alzheimer's disease mouse models using the Morris Water Maze. <b>2011</b> , 670, 191-205	13
601	Behavioral Testing in Rodent Models of Stroke. <b>2010</b> , 199-212	3

600	Cellular and Systems Consolidation of Declarative Memory. <b>2017</b> , 3-16	7
599	Task and Spatial Planning by the Cognitive Agent with Human-Like Knowledge Representation. <b>2018</b> , 1-12	3
598	The Role of the Basal Ganglia in Exploratory Behavior in a Model Based on Reinforcement Learning. <b>2004</b> , 70-77	2
597	Episodes in Space: A Modeling Study of Hippocampal Place Representation. <b>2008</b> , 123-136	4
596	Remembering Places in Space: A Human Analog Study of the Morris Water Maze. <b>2007</b> , 59-75	4
595	An Implementation of a Biologically Inspired Model of Head Direction Cells on a Robot. <b>2011</b> , 66-77	3
594	Visuospatial Processing and Learning Effects in Virtual Reality Based Mental Rotation and Navigational Tasks. <b>2013</b> , 75-83	6
593	Assessing Virtual Reality Environments as Cognitive Stimulation Method for Patients with MCI. <b>2014</b> , 39-74	25
592	Memory and Learning. <b>1996</b> , 1161-1182	1
591	Effects of Nitric Oxide on Morris Water Maze Performance in Rats: Correlation with cGMP Levels. <b>1995</b> , 271-277	2
590	Apolipoprotein E4, Cholinergic Integrity, Synaptic Plasticity and Alzheimer's Disease. <b>1996</b> , 20-28	3
589	Time and the Hippocampus. <b>2014</b> , 273-301	1
588	Models of Path Integration in the Hippocampal Complex. <b>2014</b> , 191-224	3
587	Morphological hippocampal changes during normal aging and their relation to cognitive deterioration. <b>1994</b> , 44, 133-43	20
586	Homing Pigeons, Hippocampus and Spatial Cognition. <b>1995</b> , 207-223	18
585	The Ecology of Spatial Cognition. <b>1995</b> , 301-322	11
584	How and Why Sex Differences Evolve, with Spatial Ability as a Paradigm Example. <b>1993</b> , 111-130	5
583	Sleep and Appetitive Conditioned Memory. <b>2019</b> , 227-254	4



582	The Neural Basis of Learning with Particular Reference to the Role of Synaptic Plasticity. <b>1994</b> , 135-183	6
581	Neurobiological views of memory. <b>2007</b> , 271-304	5
580	Computational Neuroanatomy of the Rat Hippocampus. <b>2008</b> , 71-VII	1
579	Long-Term Potentiation, Long-Term Depression, and Learning. <b>1998</b> , 211-246	2
578	Neurobiological Views of Memory. <b>1998</b> , 361-416	22
577	Stress, Glucocorticoids, and Hippocampal Aging in Rat and Human. <b>1998</b> , 19-50	5
576	Animal Models of Traumatic Brain Injury. <b>2011</b> , 3300-3304	2
575	Prenatal exposure to methadone or buprenorphine impairs cognitive performance in young adult rats. <b>2020</b> , 212, 108008	8
574	Resveratrol oligomers from <i>Paeonia suffruticosa</i> protect mice against cognitive dysfunction by regulating cholinergic, antioxidant and anti-inflammatory pathways. <b>2020</b> , 260, 112983	16
573	The effects of adolescent alcohol exposure on learning and related neurobiology in humans and rodents. <b>2020</b> , 172, 107234	2
572	Importance of tau in cognitive decline as revealed by developmental exposure to lead. <b>2018</b> , 284, 63-69	7
571	Specific phospholipid fatty acid composition of brain regions in mice: effects of n <sup>3</sup> polyunsaturated fatty acid deficiency and phospholipid supplementation. <b>2000</b> , 41, 465-472	130
570	Effect of a high linoleate and a high alpha-linolenate diet on general behavior and drug sensitivity in mice.. <b>1993</b> , 34, 239-247	87
569	Infant Learning in the Digital Age. <b>2020</b> , 435-466	1
568	Long-Term Dietary Supplementation with Selenium-Enriched Yeast Improves Cognitive Impairment, Reverses Synaptic Deficits, and Mitigates Tau Pathology in a Triple Transgenic Mouse Model of Alzheimer's Disease. <b>2017</b> , 65, 4970-4979	21
567	Estrogen improves response accuracy and attenuates the disruptive effects of $\Delta^9$ THC in ovariectomized rats responding under a multiple schedule of repeated acquisition and performance.. <b>2002</b> , 116, 989-998	29
566	Fornix lesions impair context-related cingulothalamic neuronal patterns and concurrent discrimination learning in rabbits ( <i>Oryctolagus cuniculus</i> ). <b>2004</b> , 118, 1225-39	36
565	The application of a rodent-based Morris water maze (MWM) protocol to an investigation of age-related differences in human spatial learning. <b>2017</b> , 131, 470-482	19

564	Across sex and age: Learning and memory and patterns of avian hippocampal gene expression. <b>2017</b> , 131, 483-491	6
563	Analysis of learning deficits in aged rats on the W-track continuous spatial alternation task. <b>2018</b> , 132, 512-519	2
562	Route repetition and route reversal: Effects of age and encoding method. <b>2017</b> , 32, 220-231	13
561	Feel the way with a vibrotactile compass: Does a navigational aid aid navigation?. <b>2018</b> , 44, 667-679	7
560	Genes associated with cognitive performance in the Morris water maze: an RNA-seq study. <b>2020</b> , 10, 22078	4
559	Memory and long-term potentiation (LTP) dissociated: normal spatial memory despite CA1 LTP elimination with Kv1.4 antisense. <b>1998</b> , 95, 15037-42	65
558	The Cognitive Neuroscience of Memory. <b>2002</b> ,	83
557	A Brain System for Emotional Memory. <b>2002</b> , 261-282	1
556	Piloting. <b>2004</b> , 392-400	1
555	Neuropsychological Tests. <b>2004</b> , 475-498	1
554	The Rem Sleep Window and Memory Processing. <b>2003</b> , 117-134	8
553	Molecular Mechanisms of Memory Consolidation. <b>2003</b> , 295-326	3
552	Prolonged severe hemorrhagic shock and resuscitation in rats does not cause subtle brain damage. <b>1998</b> , 45, 239-48; discussion 248-9	42
551	Blockage of ventrolateral periaqueductal gray matter cannabinoid 1 receptor increases dental pulp pain and pain-related subsequent learning and memory deficits in rats. <b>2020</b> ,	1
550	Intrinsic Hippocampal-Caudate Interaction Correlates with Human Navigation.	2
549	Feel the way with a vibrotactile compass: Does a navigational aid aid navigation?.	1
548	Analysis of behaviour in the Active Allothetic Place Avoidance task based on cluster analysis of the rat movement motifs.	1
547	Anterior thalamic function is required for spatial coding in the subiculum and is necessary for spatial memory.	0

546	Altered hippocampal place cell representation and theta rhythmicity following moderate prenatal alcohol exposure.	0
545	Rtrack: a software package for reproducible automated water maze analysis.	4
544	Reinforcement Learning approaches to hippocampus-dependent flexible spatial navigation.	2
543	Phase precession in the human hippocampus and entorhinal cortex.	4
542	Degeneracy in hippocampal physiology and plasticity.	2
541	Pharmacological modulation of AMPA receptor surface diffusion restores hippocampal synaptic plasticity and memory in Huntington's disease.	2
540	Exenatide reverts the high-fat-diet-induced impairment of BDNF signaling and inflammatory response in an animal model of Alzheimer's disease.	2
539	Single-neuron representations of spatial targets in humans.	3
538	Neurobiological successor features for spatial navigation.	1
537	Potentiation of dentate synapses initiated by exploratory learning in rats: dissociation from brain temperature, motor activity, and arousal. <b>1994</b> , 1, 55-73	42
536	Reduced K <sup>+</sup> Channel Inactivation, Spike Broadening, and After-Hyperpolarization in Kv1.1-Deficient Mice with Impaired Learning. <b>1998</b> , 5, 257-273	74
535	Behavioral consequences of bone marrow transplantation in the treatment of murine mucopolysaccharidosis type VII. <b>1994</b> , 94, 1180-6	40
534	Persistent improvement in synaptic and cognitive functions in an Alzheimer mouse model after rolipram treatment. <b>2004</b> , 114, 1624-34	330
533	Striatal and hippocampal contributions to flexible navigation in rats and humans. <b>2020</b> , 4, 2398212820979772	11
532	Cognitive Impairment in Transgenic Mouse Models of Amyloid Deposition. <b>2006</b> , 183-198	4
531	Assessing the Neurobehavioral Effects of Early Toxicant Exposure. <b>2006</b> , 415-445	1
530	Artificial Feeding of an n-3 Essential Fatty Acid Deficient Diet Leads to a Loss of Brain Function in the First Generation. <b>2003</b> ,	2
529	Use of the Morris water maze and acoustic startle chamber to evaluate neurologic injury after asphyxial arrest in rats. <b>1996</b> , 39, 77-84	22

528	The Effects of Hesperidin on Neuronal Apoptosis and Cognitive Impairment in the Sevoflurane Anesthetized Rat are Mediated Through the PI3/Akt/PTEN and Nuclear Factor- $\kappa$ B (NF- $\kappa$ B) Signaling Pathways. <b>2020</b> , 26, e920522	5
527	Effects of YC-1 on learning and memory functions of aged rats. <b>2014</b> , 20, 130-7	16
526	Hippocampal development and the dissociation of cognitive-spatial mapping from motor performance. <b>2015</b> , 4, 625	1
525	Exercise is not beneficial and may accelerate symptom onset in a mouse model of Huntington's disease. <b>2010</b> , 2, RRN1201	53
524	Hippocampal lesions impair rapid learning of a continuous spatial alternation task. <b>2009</b> , 4, e5494	53
523	Impaired terminal differentiation of hippocampal granule neurons and defective contextual memory in PC3/Tis21 knockout mice. <b>2009</b> , 4, e8339	63
522	Left-right asymmetry defect in the hippocampal circuitry impairs spatial learning and working memory in iv mice. <b>2010</b> , 5, e15468	42
521	Democratic population decisions result in robust policy-gradient learning: a parametric study with GPU simulations. <b>2011</b> , 6, e18539	10
520	Cdk5 is required for memory function and hippocampal plasticity via the cAMP signaling pathway. <b>2011</b> , 6, e25735	50
519	Contribution of cerebellar sensorimotor adaptation to hippocampal spatial memory. <b>2012</b> , 7, e32560	23
518	Perineuronal nets play a role in regulating striatal function in the mouse. <b>2012</b> , 7, e32747	26
517	Remarkable changes in behavior and physiology of laboratory mice after the massive 2011 Tohoku earthquake in Japan. <b>2012</b> , 7, e44475	8
516	Prenatal treatment prevents learning deficit in Down syndrome model. <b>2012</b> , 7, e50724	19
515	Ferulic acid is a nutraceutical $\beta$ -secretase modulator that improves behavioral impairment and alzheimer-like pathology in transgenic mice. <b>2013</b> , 8, e55774	118
514	Dahl (SIR) rat congenic strain analysis confirms and defines a chromosome 17 spatial navigation quantitative trait locus to . <b>2013</b> , 8, e58280	3
513	Enriched environment prevents hypobaric hypoxia induced memory impairment and neurodegeneration: role of BDNF/PI3K/GSK3 $\beta$ pathway coupled with CREB activation. <b>2013</b> , 8, e62235	66
512	The early stage formation of PI3K-AMPA GluR2 subunit complex facilitates the long term neuroprotection induced by propofol post-conditioning in rats. <b>2013</b> , 8, e65187	12
511	Heterozygosity for nuclear factor one x affects hippocampal-dependent behaviour in mice. <b>2013</b> , 8, e65478	15

510	Complementary Roles of the Hippocampus and the Dorsomedial Striatum during Spatial and Sequence-Based Navigation Behavior. <b>2013</b> , 8, e67232	39
509	Multisensory control of multimodal behavior: do the legs know what the tongue is doing?. <b>2013</b> , 8, e80465	35
508	Trib3 is developmentally and nutritionally regulated in the brain but is dispensable for spatial memory, fear conditioning and sensing of amino acid-imbalanced diet. <b>2014</b> , 9, e94691	9
507	Aminostyrylbenzofuran directly reduces oligomeric amyloid- $\beta$ and reverses cognitive deficits in Alzheimer transgenic mice. <b>2014</b> , 9, e95733	9
506	Long-term vision and non-vision dominant behavioral deficits in the 2-VO rats are accompanied by time and regional glial activation in the white matter. <b>2014</b> , 9, e101120	8
505	Hippocampal adaptive response following extensive neuronal loss in an inducible transgenic mouse model. <b>2014</b> , 9, e106009	6
504	Subacute intranasal administration of tissue plasminogen activator promotes neuroplasticity and improves functional recovery following traumatic brain injury in rats. <b>2014</b> , 9, e106238	25
503	Sprouty2 in the dorsal hippocampus regulates neurogenesis and stress responsiveness in rats. <b>2015</b> , 10, e0120693	3
502	Prenatal Iron Deficiency in Guinea Pigs Increases Locomotor Activity but Does Not Influence Learning and Memory. <b>2015</b> , 10, e0133168	10
501	Memantine Attenuates Alzheimer's Disease-Like Pathology and Cognitive Impairment. <b>2015</b> , 10, e0145441	16
500	Impact of Chronic Stress Protocols in Learning and Memory in Rodents: Systematic Review and Meta-Analysis. <b>2016</b> , 11, e0163245	27
499	Asynchronous ripple oscillations between left and right hippocampi during slow-wave sleep. <b>2017</b> , 12, e0171304	6
498	PAN-811 prevents chemotherapy-induced cognitive impairment and preserves neurogenesis in the hippocampus of adult rats. <b>2018</b> , 13, e0191866	11
497	Hippocampus-Dependent Goal Localization by Head-Fixed Mice in Virtual Reality. <b>2017</b> , 4,	23
496	Transcranial Direct Current Stimulation Effects on Memory Consolidation: Timing Matters. <b>2019</b> , 6,	3
495	Conservation of spatial memory function in the pallial forebrain of reptiles and ray-finned fishes. <b>2002</b> , 22, 2894-903	206
494	[THE EFFECT OF CHRONIC INTOXICATION WITH LOW DOSES OF CHLORPYRIFOS ON THE BEHAVIORAL PARAMETERS OF FEMALE RATS]. <b>2015</b> , 61, 94-101	1
493	Effects of caffeine on learning and memory in rats tested in the Morris water maze. <b>2002</b> , 35, 1201-8	76

492	Effect of Amyloid $\beta$ Peptide on Passive Avoidance Learning in Rats: A Behavioral Study. <b>2014</b> , 1,	6
491	Acute and Chronic Effects of 3-4, Methylendioxyamphetamine on Pyramidal Cells of Hippocampus. <b>2014</b> , 1,	1
490	Sevoflurane impairs learning and memory of the developing brain through post-transcriptional inhibition of CCNA2 via microRNA-19-3p. <b>2018</b> , 10, 3794-3805	9
489	Metabolic switching is impaired by aging and facilitated by ketosis independent of glycogen. <b>2020</b> , 12, 7963-7984	7
488	Long-term neurocognitive dysfunction in offspring via NGF/ ERK/CREB signaling pathway caused by ketamine exposure during the second trimester of pregnancy in rats. <b>2017</b> , 8, 30956-30970	22
487	Impact of anger emotional stress before pregnancy on adult male offspring. <b>2017</b> , 8, 98837-98852	6
486	Behavioral alterations following blood-brain barrier disruption stimulated by focused ultrasound. <b>2016</b> , 7, 27916-25	13
485	Protective Effects of Extract on Amyloid $\beta$ Peptide (1-40)-Induced Memory Impairment in Male Rats: A Behavioral Study. <b>2017</b> , 8, 249-254	11
484	Spatial learning and expression of neural cell adhesion molecule L1 in rats X-irradiated prenatally. <b>2007</b> , 54, 322-30	5
483	Neonatal brain hemorrhage (NBH) of prematurity: translational mechanisms of the vascular-neural network. <b>2015</b> , 22, 1214-38	26
482	Supplementation with Curcuma longa Reverses Neurotoxic and Behavioral Damage in Models of Alzheimer's Disease: A Systematic Review. <b>2019</b> , 17, 406-421	21
481	Metformin Eased Cognitive Impairment Induced by Chronic L-methionine Administration: Potential Role of Oxidative Stress. <b>2014</b> , 12, 186-92	37
480	Astragaloside IV Supplementation Promotes A Neuroprotective Effect in Experimental Models of Neurological Disorders: A Systematic Review. <b>2019</b> , 17, 648-665	26
479	The Discrete Paired-trial Variable-delay T-maze Task to Assess Working Memory in Mice. <b>2020</b> , 10, e3664	2
478	Multidimensional Evaluation of Virtual Reality Paradigms in Clinical Neuropsychology: Application of the VR-Check Framework. <b>2020</b> , 22, e16724	22
477	Two strategies used to solve a navigation task: A different use of the hippocampus by males and females? A preliminary study in rats. <b>2018</b> , 39, 319-339	1
476	Spatial behavior of the rat: In relation to the hippocampal functions. <b>2002</b> , 52, 89-96	1
475	Spatial Learning and Memory in Barnes Maze Test and Synaptic Potentiation in Schaffer Collateral-CA1 Synapses of Dorsal Hippocampus in Freely Moving Rats. <b>2019</b> , 10, 461-468	3

474	Effect of methamphetamine on cognitive functions of adult female rats prenatally exposed to the same drug. <b>2013</b> , 62, S89-98	16
473	Place avoidance tasks as tools in the behavioral neuroscience of learning and memory. <b>2013</b> , 62, S1-S19	36
472	Exposure to methamphetamine during first and second half of prenatal period and its consequences on cognition after long-term application in adulthood. <b>2014</b> , 63, S535-45	12
471	Does effect from developmental methamphetamine exposure on spatial learning and memory depend on stage of neuroontogeny?. <b>2016</b> , 65, S577-S589	10
470	Context, emotion, and the strategic pursuit of goals: interactions among multiple brain systems controlling motivated behavior. <b>2012</b> , 6, 50	109
469	Elemental and Configural Associative Learning in Spatial Tasks: Could Zebrafish be Used to Advance Our Knowledge?. <b>2020</b> , 14, 570704	1
468	The CRISP theory of hippocampal function in episodic memory. <b>2013</b> , 7, 88	48
467	What is the Most Sensitive Measure of Water Maze Probe Test Performance?. <b>2009</b> , 3, 4	133
466	CB Activity Drives the Selection of Navigational Strategies: A Behavioral and c-Fos Immunoreactivity Study. <b>2020</b> , 21,	2
465	Pelargonidin exhibits restoring effects against amyloid $\beta$ -induced deficits in the hippocampus of male rats. <b>2019</b> , 33, 135	5
464	Knowledge, Routines and Performance in Collective Problem Solving. <b>2008</b> , 40, 862-872	2
463	[Effect of Liriope platyphylla total saponin on learning, memory and metabolites in aging mice induced by D-galactose]. <b>2007</b> , 5, 670-4	7
462	Effects of Chinese herbal medicine Yinsiwei compound on spatial learning and memory ability and the ultrastructure of hippocampal neurons in a rat model of sporadic Alzheimer disease. <b>2011</b> , 9, 209-15	8
461	Quinpirole and d-amphetamine administration posttraining enhances memory on spatial and cued discriminations in a water maze. <b>1994</b> , 22, 54-60	20
460	Some limitations on the use of distal cues in place navigation by rats. <b>1987</b> , 15, 48-57	33
459	Early postnatal alcohol exposure that produces high blood alcohol levels impairs development of spatial navigation learning. <b>1987</b> , 15, 64-74	26
458	The contribution of the associative parietal cortex and hippocampus to spatial processing in rodents. <b>1998</b> , 26, 153-161	7
457	Dorsal and ventral hippocampus: Same or different?. <b>2000</b> , 28, 314-324	16

456	Prenatal exposure to moderate levels of ethanol can have long-lasting effects on learning and memory in adult offspring. <b>2000</b> , 28, 532-539	25
455	Dissociation of multiple memory systems by posttraining intracerebral injections of glutamate. <b>1999</b> , 27, 40-50	12
454	Neurobehavioral evaluation of high blood pressure and low blood pressure mice. <b>1999</b> , 27, 415-425	1
453	Blocking in human place learning: Evidence from virtual navigation. <b>1999</b> , 27, 453-461	29
452	Configural association theory: The role of the hippocampal formation in learning, memory, and amnesia. <b>1989</b> , 17, 129-144	297
451	Age-related differences in visual encoding and response strategies contribute to spatial memory deficits. <b>2021</b> , 49, 249-264	9
450	Ferulic acid exerts neuroprotective effects against cerebral ischemia/reperfusion-induced injury via antioxidant and anti-apoptotic mechanisms in vitro and in vivo. <b>2017</b> , 40, 1444-1456	78
449	Neuroprotective Effect of Post Ischemic Treatment of Acetylsalicylic Acid on CA1 Hippocampus Neuron and Spatial Learning in Transient MCA Occlusion in Rat. <b>2008</b> , 8, 357-363	1
448	Osthole improves synaptic plasticity in the hippocampus and cognitive function of Alzheimer's disease rats via regulating glutamate. <b>2012</b> , 7, 2325-32	9
447	Medium-intensity acute exhaustive exercise induces neural cell apoptosis in the rat hippocampus. <b>2013</b> , 8, 127-32	3
446	L-3-n-butylphthalide protects against vascular dementia via activation of the Akt kinase pathway. <b>2013</b> , 8, 1733-42	20
445	Cognitive Exercising for Patients With MCI Using Serious Games. 1313-1342	1
444	Acupuncture improves dendritic structure and spatial learning and memory ability of Alzheimer's disease mice. <b>2018</b> , 13, 1390-1395	13
443	Acute histopathological responses and long-term behavioral outcomes in mice with graded controlled cortical impact injury. <b>2019</b> , 14, 997-1003	5
442	GPER agonist G1 suppresses neuronal apoptosis mediated by endoplasmic reticulum stress after cerebral ischemia/reperfusion injury. <b>2019</b> , 14, 1221-1229	10
441	Cholestasis progression effects on long-term memory in bile duct ligation rats. <b>2014</b> , 3, 215	5
440	Neuroprotective effects of Rosa damascena extract on learning and memory in a rat model of amyloid- $\beta$ -induced Alzheimer's disease. <b>2015</b> , 4, 131	22
439	Influences of combined traffic noise on the ability of learning and memory in mice. <b>2018</b> , 20, 9-15	8



438	Long-Term Impact of Maternal Protein Malnutrition on Learning and Memory Abilities and DNA Methylating Profiles of the Nervous System in Offspring Rats. <b>2014</b> , 06, 2047-2065	2
437	Growth Hormone Prevents the Memory Deficit Caused by Oxidative Stress in Early Neurodegenerative Stage in Rats. <b>2012</b> , 03, 287-293	1
436	Effects of Ginseng Radix on the ischemia-induced 4-vessel occlusion and cognitive impairments in the rat. <b>2007</b> , 31, 44-50	1
435	Short-Term and Long-Term Effects of Dexamethasone on Cognitive Dysfunction Induced by Sevoflurane in Adult Rats. <b>2017</b> , 45, 158-163	14
434	Memory-improving effect of formulation-MSS by activation of hippocampal MAPK/ERK signaling pathway in rats. <b>2008</b> , 41, 242-7	11
433	The effect of combined therapy of exercise and nootropic agent on cognitive function in focal cerebral infarction rat model. <b>2012</b> , 36, 303-10	13
432	Neuroprotective Treatment With FK506 Reduces Hippocampal Damage and Prevents Learning and Memory Deficits After Transient Global Ischemia in Rat. <b>2013</b> , 1, 35-40	1
431	Effects of Total Light Deprivation on Hippocampal Neurogenesis and Memory of Adult Rats: A Sexual Dimorphic Study. <b>2015</b> , 5,	2
430	Experience-dependent shaping of hippocampal CA1 intracellular activity in novel and familiar environments. <b>2017</b> , 6,	52
429	Sequential neuromodulation of Hebbian plasticity offers mechanism for effective reward-based navigation. <b>2017</b> , 6,	45
428	Impaired spatial memory codes in a mouse model of Rett syndrome. <b>2018</b> , 7,	11
427	Spatial cell firing during virtual navigation of open arenas by head-restrained mice. <b>2018</b> , 7,	28
426	Effects of Chronic and Acute Lithium Treatment on the Long-term Potentiation and Spatial Memory in Adult Rats. <b>2019</b> , 17, 233-243	5
425	Single-cell RNA transcriptome analysis reveals CXCL16/CXCR6 as maintenance factors for CNS tissue resident T cells that drive synapse elimination during viral recovery.	
424	PROLACTIN REDUCES HIPPOCAMPAL PARVALBUMIN AND GABAA RECEPTOR EXPRESSION IN FEMALE MICE. <b>2021</b> ,	1
423	The generalized spatial representation in the prefrontal cortex is inherited from the hippocampus.	
422	Hydrolase-Treated Royal Jelly Attenuates HO- and Glutamate-Induced SH-SY5Y Cell Damage and Promotes Cognitive Enhancement in a Rat Model of Vascular Dementia. <b>2021</b> , 2021, 2213814	0
421	The Basis of Navigation Across Species. <b>2021</b> ,	3

420	Apparatus design and behavioural testing protocol for the evaluation of spatial working memory in mice through the spontaneous alternation T-maze. <b>2021</b> , 11, 21177	6
419	A Neuroscience Primer for Integrating Geroscience with the Neurobiology of Aging. <b>2021</b> ,	1
418	Reactivation predicts the consolidation of unbiased long-term cognitive maps. <b>2021</b> , 24, 1574-1585	6
417	Role of hippocampal NF- $\kappa$ B and GluN2B in the memory acquisition impairment of experiences gathered prior to cocaine administration in rats. <b>2021</b> , 11, 20033	0
416	Preclinical validation of a novel oral Edaravone formulation for treatment of frontotemporal dementia. <b>2021</b> , 39, 1689-1707	1
415	Proanthocyanidin from <i>Vitis vinifera</i> attenuates memory impairment due to convulsive status epilepticus. <b>2021</b> , 124, 108333	0
414	Specific sub-regions of the longitudinal axis of the hippocampus mediate behavioural responses to chronic psychosocial stress. <b>2021</b> , 201, 108843	1
413	Neural stem cells as a tool for cell transplantation. <b>2002</b> , 3-20	
412	Hippocampal Place Cell Activity During Overtly Purposeful Behavior. <b>2002</b> , 59-80	3
411	Working with Memory. <b>2002</b> , 311-338	
410	Multiple Memory Systems in the Brain. <b>2002</b> , 195-212	
409	Exploring Declarative Memory Using Animal Models. <b>2002</b> , 105-138	
408	A Brain System for Declarative Memory. <b>2002</b> , 213-236	
407	Introduction: Four Themes in Research on the Neurobiology of Memory. <b>2002</b> , 1-26	
406	Two Distinct Stages of Memory Consolidation. <b>2002</b> , 285-310	
405	Amnesia Learning about Memory from Memory Loss. <b>2002</b> , 85-104	
404	The Cerebral Cortex and Memory. <b>2002</b> , 175-194	
403	A Brain System for Procedural Memory. <b>2002</b> , 237-260	

402 Neurons and Simple Memory Circuits. **2002**, 29-52

401 Cellular Mechanisms of Memory: Complex Circuits. **2002**, 53-78

400 Windows into the Workings of Memory. **2002**, 139-170

399 Differential effects of preoperative overtraining on non-matching-to-place performance of rats with entorhinal and hippocampal lesions. **2003**, 53, 1-9

398 Memory Systems. 543

1

397 Genetic Approaches to the Elucidation of Calcium Channel Functions in Vivo. **2004**, 277-302

396 References. **2004**,

395 Proteomics. **2004**, 375-394

394 Memory for Spatial Location: Influences of Environmental Cues and Task Field Rotation. **2005**, 459-474

1

393 Cognitive Impairment following Traumatic Brain Injury. **2006**, 301-314

392 Entorhinal Grid Cells and the Representation of Space. **2007**, 125-135

391 CREB Responsive Transcription and Memory Formation. **2008**, 377-397

390 Hippocampal Glutamate Release on Learning and Memory in Teeth-loss Rats. **2008**, 7, 71-77

1

389 Chronische Bilaterale Vestibulopathie führt zu Störungen des räumlichen Gedächtnisses und einer beidseitigen Atrophie des Hippocampus. **2008**, 103-107

388 Animal Models. **2009**, 387-408

387 Hippocampus, Amygdala and Basal Ganglia Based Navigation Control. **2009**, 267-276

1

386 A Model of Path Integration and Navigation Based on Head Direction Cells in Entorhinal Cortex. **2010**, 82-90

1

385 Cognitive Representations, Behavioral Routines and Dynamic Capabilities in Collective Problem Solving. **2010**, 42, 862-874

- 384 Nutritional Deficiencies and Spatial Memory Function. **2011**, 2307-2327
- 383 Effect of Regular Exercise Program on Cognitive Function in Chronic Cerebral Hypoperfused Rat. **2011**, 4, 95
- 382 Neurobiological Mechanisms of Stress and Glucocorticoid Effects on Learning and Memory: Implications for Stress Disorders on Earth and in Space. **2012**, 47-69
- 381 Neurobehavioral testing for developmental toxicity. **2011**, 346-387
- 380 Dissociation between Performances in Water Maze and Spontaneous Alternation in BALB/C versus A/J Mice. **2012**, 02, 156-161
- 379 Thinner Exposure and Memory and Learning Deficits. **2012**, 241-249
- 378 Molecular and Cellular Approaches to Cognitive Impairments Associated with NF1 and Other Rasopathies. **2012**, 569-588
- 377 Meeting with hippocampus research. **2012**, 30, 91-94
- 376 Neurocognitive effects of stress on the hippocampus: a systems level analysis. **2012**, 24, 65-88
- 375 [Influences of two different training paradigms on spatial learning and memory performance of hippocampal injured rats]. **2012**, 33, 237-40
- 374 Animal Models: Behavior and Pathology: Preclinical Assessment of the Putative Cognitive Deficits in HAND. **2014**, 541-565 1
- 373 &i>In Vivo&i> 9.4T MRI and &sup>1&/sup>H MRS for Evaluation of Brain Structural and Metabolic Changes in the Ts65Dn Mouse Model for Down Syndrome. **2014**, 04, 152-163 2
- 372 Neural-Cognitive Effects of Stress in the Hippocampus. **2014**, 151-165
- 371 References. **1984**, 61-69
- 370 Superior Colliculus, Hippocampus and Spatial Behaviour. **1987**, 138-145
- 369 Pigeon Homing and the Avian Hippocampal Complex: A Complementary Spatial Behavior Paradigm. **1987**, 275-283
- 368 Dissociation Between Components of Spatial Memory in the Rat During Ontogeny. **1987**, 160-167
- 367 GRAFLOG: Programming with Interactive Graphics and PROLOG. **1988**, 469-478 0

366 An Excitotoxic Model of Alzheimer's Disease: NMDA Lesions and Initial Neural Grafting Results. **1989**, 303-318

365 Distinctive Functional Properties of Limbic System Opioid Peptides. **1989**, 297-312

364 Commentary. **1990**, 76-81

363 An Analysis of the Basal Forebrain Contribution to Learning and Memory. **1991**, 263-288

362 Selective Alterations in N-Methyl-D-Aspartate Receptor Coupled Responses with Aging: Implications for Therapy. **1992**, 257-275

361 Adrenal glucocorticoids as modulators of hippocampal neuron survival, repair and function in the aged rat. **1993**, 123-146

360 Adrenal Glucocorticoids as Modulators of Brain Aging. **1993**, 89-116

359 Toward a Mechanism for Navigation by the Rat Hippocampus. **1994**, 257-262

358 Inhibition of Nitric Oxide Production Impairs Specific Cognitive Processes in Rats. **1995**, 231-238

357 Higher Cognitive Function of the Hippocampus as the Integration of a Hierarchical Model Derived from an n-Level Field Theory. **1996**, 277-292

356 Effects of Medial Septal Lesions. **1997**, 577-583

355 Polysialic Acid (PSA) Associated with the Neural Cell Adhesion Molecule (N-CAM) May Play a Role in Spatial Learning and LTP in Rats. **1997**, 863-868

354 Behavioral Changes After Cerebral Infarction in the Rat: Long-Term Spatial Cognitive Impairment and Cerebral Acetylcholine Levels. **1997**, 169-175

353 Time-Limited Roles for Cell Adhesion Molecule-Mediated Neuroplastic Events in the Commitment of Memory to Long Term Storage. **1997**, 877-883

352 A Mathematical Description for Gabaergic Modulation of Sequence Disambiguation in Hippocampal Region CA3. **1998**, 525-530

351 Long-Term Effects of Kindling on Learning and Memory in the Developing Brain. **1998**, 27-34

350 Identification of Molecular and Cellular Mechanisms of Learning and Memory. **1998**, 67-82

349 Causal Relationship Between SPWRs and Spatial Learning and Memory. **2015**, 147-160

- 348 The Visible Platform Task for Rodents. **2015**, 451-454 1
- 347 Rodent Mazes and Memory: Continuing the Search for the Engram. **2015**, 3-36 1
- 346 The Morris Maze Protocol for Rodents. **2015**, 441-449 1
- 345 Insights into Age-Related Cognitive Decline: Coupling Neurophysiological and Behavioral Approaches. **2015**, 121-142
- 344 Chronic Dietary Administration of 2-Deoxy-D-Glucose Does Not Compromise Neurobehavioral Functions at Tumor Preventive Doses in Mice. **2015**, 05, 381-393 0
- 343 Cognitive Exercising for Patients with MCI Using Serious Games. **2015**, 88-117
- 342 Hippocampal development and the dissociation of cognitive-spatial mapping from motor performance. **2015**, 4, 625 1
- 341 A Lifetime of Memories: Raymond Kesner's Contributions of the Attribute Model in Understanding Amnesia. **2016**, 137-149
- 340 Memory Disruption Following Traumatic Brain Injury. **2016**, 283-320
- 339 Effect of Postnatal Chronic Lead Exposure on Spatial Learning and Memory in Male Rat. **2015**, 17, 0
- 338 Interview with Dr. Hiroshige Okaichi. **2016**, 66, 77-83
- 337 Is Mechanistic Constitution a Version of Material Constitution?. **2016**, 91-121 0
- 336 Asymmetry of the temporal code for space by hippocampal place cells.
- 335 Dorsal hippocampus contributes to model-based planning. 3
- 334 TRPM7 Channels as Potential Therapeutic Targets for Stroke. **2017**, 415-432
- 333 Animal Models of Amnesia ?. **2017**, 153-175
- 332 Encyclopedia of Animal Cognition and Behavior. **2017**, 1-2
- 331 Effects of Detraining on Ach, AchE,  $\beta$ amyloid, Apolipoprotein Expression and Cognitive Function in Brain Tissue of Memory Impairment Rats. **2017**, 26, 96-102

- 330 Running Promotes Spatial Bias Independently of Adult Neurogenesis.
- 329 A variant of the Morris water task for assessing learning and memory processes in mice.
- 328 Multi-Transition Systems: A theory for neural spatial navigation.
- 327 On information metrics for spatial coding.
- 326 Divergent Effects of Haloperidol on Motor Versus Spatial Functions. **2017**, 1, 032-038
- 325 Impaired hippocampal representation of place in the Fmr1-knockout mouse model of Fragile X syndrome. ○
- 324 On how the dentate gyrus contributes to memory discrimination.
- 323 Constitutive Inference and the Problem of a Complete Variation of Factors. **2018**, 205-221
- 322 On How the Dentate Gyrus Contributes to Memory Discrimination.
- 321 Spatial cell firing during virtual navigation of open arenas by head-restrained mice.
- 320 Theta and gamma oscillations in the rat hippocampus during attentive lever pressing.
- 319 The pharmacological perturbation of brain zinc impairs BDNF-related signalling and the cognitive performances of young mice.
- 318 Neurofisiologia del movimento. Oscillazioni neuronali e apprendimento motorio. **2018**, 25, 1-11
- 317 Two Sides of the Same Coin: The Hippocampus as a Common Neural Substrate for Model-Based Planning and Spatial Memory.
- 316 Optogenetic entrainment of the septo-hippocampal circuit is state conditional and attenuates spatial accuracy.
- 315 The functional organisation of the hippocampus along its long axis is gradual and predicts recollection. ○
- 314 In vivo cerebral microdialysis validation of the acute central glutamate response in a translational rat model of concussion combining force and rotation.
- 313 Tau accumulation activates STAT1 triggering memory deficits via suppressing NMDA receptor expression.

312 John O'Keefe (b. 1939). **2018**, 240-246

311 The HexMaze: A previous knowledge and schema task for mice.

1

310 Encyclopedia of Animal Cognition and Behavior. **2019**, 1-11

0

309 Focal and Restricted Traumatic Injury Models in the Rodent Brain: Limitations, Possibilities, and Challenges. **2019**, 19-46

308 Evaluation of Rosmarinus officinalis L. extract on spatial memory, learning and antioxidant enzymes activities in the hippocampus of rats. **2019**, 2,

307 Transition scale-spaces: A computational theory for the discretized entorhinal cortex.

306 A normative study of modified spatial context memory test in middle and older individuals.

305 A role for Hypoxia Inducible Factor 1a (HIF1a) in intermittent hypoxia-dependent changes to spatial memory and synaptic plasticity.

1

304 The statistical structure of the hippocampal code for space as a function of time, context, and value.

4

303 Persistent trajectory-modulated hippocampal neurons support memory-guided navigation.

302 Egocentric boundary vector tuning of the retrosplenial cortex.

2

301 The fasciola cinereum subregion of the hippocampus is important for the acquisition of visual contextual memory.

300 Alcohol Drinking Exacerbates Neural and Behavioral Pathology in the 3xTg-AD Mouse Model of Alzheimer's Disease.

2

299 Neurobiological Mechanisms of Stress and Glucocorticoid Effects on Learning and Memory: Implications for Stress Disorders on Earth and in Space. **2020**, 95-122

0

298 Impaired Hippocampal-cortical interactions during sleep and memory reactivation without consolidation in a mouse model of Alzheimer's disease.

297 Theta Rhythm in Hippocampus and Cognition. **2020**, 45-70

296 Lack of change in CA1 dendritic spine density or clustering in rats following training on a radial-arm maze task. **2020**, 5, 68

1

295 Lack of change in CA1 dendritic spine density or clustering in rats following training on a radial-arm maze task. **2020**, 5, 68

1



- 294 Individual differences in theta-band oscillations in a spatial memory network revealed by EEG predict rapid place learning. 1
- 293 The Cambridge Handbook of Infant Development: Brain, Behavior, and Cultural Context. **2020**,
- 292 Neurotoxicity and Behavioral Alterations Following Subchronic Administration of Aqueous Extract of Erythrophleum Ivorense Stem Bark in Mice.. **2021**, 12, 629-638
- 291 Mapping behavioral landscapes in Down syndrome animal models. **2020**, 251, 145-179
- 290 Hebbian plasticity in parallel synaptic pathways: A circuit mechanism for systems memory consolidation.
- 289 Biliverdin reductase bridges focal adhesion kinase to Src to modulate synaptic signaling.
- 288 Neuroscience of Navigation. **2020**, 1669-1688
- 287 Encyclopedia of Animal Cognition and Behavior. **2021**, 1-6
- 286 Spatial Navigation. **2020**, 1284, 63-90 0
- 285 Disrupted remapping of place cells and grid cells in knock-in model of Alzheimer's disease.
- 284 Metabolic switching is impaired by aging and facilitated by ketosis independent of glycogen. 0
- 283 When Artificial Intelligence and Computational Neuroscience Meet. **2020**, 303-335 0
- 282 Cognition, Behavior, and Psychosocial Effects of Seizures in the Developing Brain. **2021**, 1 0
- 281 The Impact of Vestibular Signals on Cells Responsible for Orientation and Navigation. **2020**, 496-511
- 280 From Bound Cells Comes a Sound Mind: The Role of Neuronal Growth Regulator 1 in Psychiatric Disorders. **2020**, 29, 1-10 1
- 279 Calcineurin Signaling Mediates Disruption of the Axon Initial Segment Cytoskeleton after Injury. **2020**, 23, 100880 2
- 278 Unwanted Exacerbation of the Immune Response in Neurodegenerative Disease: A Time to Review the Impact. **2021**, 15, 749595 0
- 277 Brain-behavior investigation of potential cognitive markers of Alzheimer's disease in middle age: a multi-modal imaging study. **2021**, 1 0

276	Interactions between CRF and acetylcholine in the modulation of cognitive behaviour. <b>2006</b> , 98, 41-63	2
275	Acute Ethanol Administration and Acute Allopregnanolone Administration Impair Spatial Memory in the Morris Water Task. <b>2002</b> , 26, 1747-1751	
274	Cellular Alterations in Hippocampus During Acquisition and Consolidation of Hippocampus-Dependent Trace Eyeblink Conditioning. <b>2002</b> , 313-334	
273	Constraints on the DHEAS-Induced Enhancement of Hippocampal Function: Non-Linear Dose-Response Functions and DHEAS-Stress Interactions.	
272	A structure-function substrate of memory for spatial configurations in medial and lateral temporal cortices.	
271	Heterozygous deletion of SYNGAP enzymatic domains in rats causes selective learning, social and seizure phenotypes.	0
270	Reduced K <sup>+</sup> channel inactivation, spike broadening, and after-hyperpolarization in Kvbeta1.1-deficient mice with impaired learning. <b>1998</b> , 5, 257-73	122
269	Deficits in memory tasks of mice with CREB mutations depend on gene dosage. <b>1998</b> , 5, 274-88	62
268	Task-dependent role for dorsal striatum metabotropic glutamate receptors in memory. <b>2001</b> , 8, 96-103	9
267	Study of mild traumatic brain injuries using experiments and finite element modeling. <b>2011</b> , 55, 125-35	8
266	m1 Acetylcholine Receptor Expression is Decreased in Hippocampal CA1 region of Aged Epileptic Animals. <b>2011</b> , 2, 301-7	5
265	Pinealon protects the rat offspring from prenatal hyperhomocysteinemia. <b>2012</b> , 5, 179-85	14
264	Immunostimulant, cerebroprotective & nootropic activities of Andrographis paniculata leaves extract in normal & type 2 diabetic rats. <b>2012</b> , 135, 636-41	8
263	Focus on: the use of animal models for the study of fetal alcohol spectrum disorders. <b>2011</b> , 34, 92-8	16
262	Acute Effects of Ecstasy on Memory Are more Extensive than Chronic Effects. <b>2014</b> , 5, 225-30	14
261	Comparative Cognition: Past, Present, and Future. <b>2014</b> , 27, 3-30	15
260	Effects of adenosine A2a receptor agonist and antagonist on cerebellar nuclear factor-kB expression preceded by MDMA toxicity. <b>2014</b> , 28, 120	1
259	Dorsolateral striatal lesions impair navigation based on landmark-goal vectors but facilitate spatial learning based on a "cognitive map". <b>2015</b> , 22, 179-91	7

258	Baicalein alters PI3K/Akt/GSK3 $\beta$ signaling pathway in rats with diabetes-associated cognitive deficits. <b>2015</b> , 8, 1993-2000	13
257	The effect of rosemary extract on spatial memory, learning and antioxidant enzymes activities in the hippocampus of middle-aged rats. <b>2015</b> , 29, 187	15
256	Long-term action of propofol on cognitive function and hippocampal neuroapoptosis in neonatal rats. <b>2015</b> , 8, 10696-704	13
255	Acute stress does not affect the impairing effect of chronic stress on memory retrieval. <b>2016</b> , 19, 763-71	3
254	Three Scientific Controversies to Engage Students in Reading Primary Literature. <b>2017</b> , 16, R13-R19	3
253	Streptozotocin-induced diabetes mellitus affects the NMDA receptors: Role of caffeine administration in enhancing learning, memory and locomotor deficits. <b>2018</b> , 12, 10-17	1
252	'Lost My Way' - Transient Topographic Amnesia: A Bizarre Manifestation of Migraine. <b>2018</b> , 21, 341-343	1
251	Teaching Principles of Place Cells. <b>2021</b> , 19, R23-R27	
250	Task-Dependent Role for Dorsal Striatum Metabotropic Glutamate Receptors in Memory. <b>2001</b> , 8, 96-103	3
249	Deficits in Memory Tasks of Mice with CREB Mutations Depend on Gene Dosage. <b>1998</b> , 5, 274-288	155
248	Dorsolateral striatal lesions impair navigation based on landmark-goal vectors but facilitate spatial learning based on a cognitive map. <b>2015</b> , 22, 179-191	21
247	Baseline heart rate variability (HRV) and performance during a set-shifting visuospatial learning task: The moderating effect of trait negative affectivity (NA) on behavioral flexibility. <b>2022</b> , 243, 113647	0
246	Impaired Cognitive Function and Hippocampal Changes Following Chronic Diazepam Treatment in Middle-Aged Mice.. <b>2021</b> , 13, 777404	1
245	The computational benefits of episodic memory in spatial learning.	0
244	Neuroprotective role of apocynin against pentylenetetrazole kindling epilepsy and associated comorbidities in mice by suppression of ROS/RNS. <b>2021</b> , 419, 113699	1
243	Myelin: A gatekeeper of activity-dependent circuit plasticity?. <b>2021</b> , 374, eaba6905	6
242	E2F4-Based Gene Therapy Mitigates the Phenotype of the Alzheimer's Disease Mouse Model 5xFAD. <b>2021</b> , 18, 2484	1
241	Retrosplenial cortex in spatial memory: focus on immediate early genes mapping. <b>2021</b> , 14, 172	1

- 240 Fustin Inhibits Oxidative Free Radicals and Inflammatory Cytokines in Cerebral Cortex and Hippocampus and Protects Cognitive Impairment in Streptozotocin-Induced Diabetic Rats. **2021**, 0
- 239 Sevoflurane Promotes Neurodegeneration Through Inflammasome Formation in APP/PS1 Mice.. **2021**, 15, 647136 2
- 238 Neurobehavioral effects of chronic low-dose vanadium administration in young male rats. **2021**, 419, 113701 0
- 237 Has the hippocampus really forgotten about space?. **2021**, 71, 164-169 0
- 236 Restraint stress potentiates neuropeptide Y-mediated impairment on spatial memory in rats. **2021**, 419, 113705
- 235 Comparative Study of the Efficacy of L-Tryptophan Nanoparticles on Motor and Cognitive Behavior in an Alzheimer's Experimental Model. **2021**, 64,
- 234 A Nonlinear Hidden Layer Enables Actor-Critic Agents to Learn Multiple Paired Association Navigation.. **2022**, 0
- 233 Combination therapy for cerebral ischemia: do progesterone and noscapine provide better neuroprotection than either alone in the treatment?. **2022**, 395, 167
- 232 Cognitive impairment following experimental febrile seizures is determined by sex and seizure duration.. **2021**, 126, 108430 0
- 231 Alterations between high and low-avoidance lines of Hatano rats in learning behaviors, ultrasonic vocalizations, and histological characteristics in hippocampus and amygdala. **2021**, 113670
- 230 Visual and spatial discrimination behavior following hippocampal lesions in pigeons. **2000**, 28, 463-475 7
- 229 Hebbian plasticity in parallel synaptic pathways: A circuit mechanism for systems memory consolidation. **2021**, 17, e1009681 0
- 228 haploinsufficiency causes desynchronized growth of brain areas involved in sensory processing.. **2022**, 25, 103796 1
- 227 Morris Water Maze and Contextual Fear Conditioning Tasks to Evaluate Cognitive Functions Associated With Adult Hippocampal Neurogenesis.. **2021**, 15, 782947 1
- 226 Hippocampal sharp wave-ripples and the associated sequence replay emerge from structured synaptic interactions in a network model of area CA3.. **2022**, 11, 1
- 225 PTEN Regulates Dendritic Arborization by Decreasing Microtubule Polymerization Rate.. **2022**, 1
- 224 Ecology, Cognition and the Hippocampus: A Tale of Two Frogs.. **2022**, 0
- 223 The tyrosine kinase inhibitor LPM4870108 impairs learning and memory and induces transcriptomic and gene-specific DNA methylation changes in rats.. **2022**, 96, 845

222	Directional Tuning of Phase Precession Properties in the Hippocampus.. <b>2022,</b>	0
221	The fasciola cinereum subregion of the hippocampus is important for the acquisition of visual contextual memory.. <b>2022,</b> 102217	1
220	Test, Rinse, Repeat: A Review of Carryover Effects in Rodent Behavioral Assays.. <b>2022,</b> 135, 104560	0
219	Behaviour-driven Arc expression is greater in dorsal than ventral CA1 regardless of task or sex differences.. <b>2022,</b> 423, 113790	0
218	Computational validity: using computation to translate behaviours across species.. <b>2022,</b> 377, 20200525	2
217	Antioxidant and Anti-inflammatory Properties Mediate the Neuroprotective Effects of Hydro-ethanolic Extract of Against Cisplatin-induced Neurotoxicity.. <b>2021,</b> 14, 6735-6748	2
216	The role of stress and age in spatial navigation deficits following prenatal exposure to ethanol. <b>1990,</b> 18, 48-54	7
215	Rodent posterior parietal cortex as a component of a cortical network mediating directed spatial attention. <b>1998,</b> 26, 87-102	16
214	Function of the nucleus accumbens within the context of the larger striatal system. <b>1999,</b> 27, 214-224	6
213	Place learning in the Morris place navigation task is impaired by damage to the hippocampal formation even if the temporal demands are reduced. <b>1988,</b> 16, 157-163	28
212	Subtotal perirhinal cortex lesions increase exploratory behavior in the rat without producing deficits in the Morris water maze. <b>1994,</b> 22, 195-202	7
211	Behavioral dissociations between C57BL/6 and DBA/2 mice on learning and memory tasks: A hippocampal-dysfunction hypothesis. <b>1993,</b> 21, 11-26	46
210	Place navigation in the Morris water task: Effects of reduced platform interval lighting and pseudorandom platform positioning. <b>1992,</b> 20, 120-126	10
209	Morris water maze: a versatile and pertinent tool for assessing spatial learning and memory.. <b>2022,</b>	2
208	Behavioral Analyses in C57bl/6j Mice Following Developmental Exposure to $\Delta^9$ -Tetrahydrocannabinol.	
207	Brain-behavior relationships of cognition in vertebrates: Lessons from amphibians. <b>2022,</b>	
206	Active exploration of a novel environment drives the activation of the hippocampus-amygdala complex of domestic chicks.	
205	Flexible rerouting of hippocampal replay sequences around changing barriers in the absence of global place field remapping.. <b>2022,</b>	10

204	Interneuron diversity in the rat dentate gyrus: An unbiased in vitro classification.. <b>2022,</b>	0
203	Disruption of the grid cell network in a mouse model of early Alzheimer's disease.. <b>2022, 13, 886</b>	1
202	Identification and characterization of long non-coding RNA Carip in modulating spatial learning and memory.. <b>2022, 38, 110398</b>	0
201	Lateral entorhinal cortex lesions impair odor-context associative memory in male rats.. <b>2022,</b>	2
200	Dynamic Synchronization between Hippocampal Spatial Representations and the Stepping Rhythm.	
199	Somatostatin and Somatostatin-Containing Interneurons-From Plasticity to Pathology.. <b>2022, 12,</b>	1
198	Inter-alpha Inhibitor Proteins Ameliorate Brain Injury and Improve Behavioral Outcomes in a Sex-Dependent Manner After Exposure to Neonatal Hypoxia Ischemia in Newborn and Young Adult Rats.. <b>2022, 1</b>	1
197	Paracetamol (Acetaminophen) and its Effect on the Developing Mouse Brain.. <b>2022, 4, 867748</b>	1
196	Context-independent expression of spatial code in hippocampus.	
195	Behavioral tests for evaluating the characteristics of brain diseases in rodent models: Optimal choices for improved outcomes (Review).. <b>2022, 25,</b>	0
194	Search strategy analysis of Tg4-42 Alzheimer Mice in the Morris Water Maze reveals early spatial navigation deficits.. <b>2022, 12, 5451</b>	1
193	Magnetoencephalography can reveal deep brain network activities linked to memory processes.	0
192	Areas of Convergence and Divergence in Adolescent Social Isolation and Binge Drinking: A Review.. <b>2022, 16, 859239</b>	0
191	Capsaicin Ameliorates the Loosening of Mitochondria-Associated Endoplasmic Reticulum Membranes and Improves Cognitive Function in Rats With Chronic Cerebral Hypoperfusion.. <b>2022, 16, 822702</b>	0
190	Age-related changes in medial septal cholinergic and GABAergic projection neurons and hippocampal neurotransmitter receptors: relationship with memory impairment.. <b>2022, 1</b>	0
189	The Geometric World of Fishes: A Synthesis on Spatial Reorientation in Teleosts.. <b>2022, 12,</b>	3
188	Laterality dissociation of ventral hippocampus inhibition in learning and memory, glial activation and neural arborization in response to chronic stress in male Wistar rats.. <b>2022, 121, 102090</b>	
187	Spatial learning drives rapid goal representation in hippocampal ripples without place field accumulation or goal-oriented theta sequences.. <b>2022,</b>	1

- 186 Response Flexibility: The Role of the Lateral Habenula.. **2022**, 16, 852235 0
- 185 Hippocampal replays appear after a single experience and incorporate greater detail with more experience.. **2022**, 1 1
- 184 Advancing combination treatment with cilostazol and caffeine for Alzheimer's disease in high fat-high fructose-STZ induced model of amnesia.. **2022**, 921, 174873 1
- 183 Considering Organismal Physiology in Laboratory Studies of Rodent Behavior.. **2022**, 0 0
- 182 Seasonal variation in gonadal hormones, spatial cognition, and hippocampal attributes: More questions than answers.. **2022**, 141, 105151 0
- 181 Pharmacological evaluation of bromelain in mouse model of Alzheimer's disease.. **2022**, 90, 19-34 1
- 180 Intranasal metformin treatment ameliorates cognitive functions via insulin signaling pathway in ICV-STZ-induced mice model of Alzheimer's disease.. **2022**, 299, 120538 1
- 179 Largely intact memory for spatial locations during navigation in an individual with dense amnesia.. **2022**, 108225 0
- 178 Molar tooth shortening induces learning and memory impairment in Wistar rat. **2021**, 0 0
- 177 The impact of perfluoroalkyl substances on pregnancy, birth outcomes and offspring development: A review of data from mouse models1. **2021**, 0 0
- 176 Explaining World-Wide Variation in Navigation Ability from Millions of People: Citizen Science Project Sea Hero Quest. **2021**, 6 6
- 175 Testosterone and Spatial Memory: Rodent Models and Clinical Applications. **2021**, 2, 275-293 0
- 174 Directional Tuning of Phase Precession Properties in the Hippocampus. 0 0
- 173 London taxi drivers: A review of neurocognitive studies and an exploration of how they build their cognitive map of London.. **2022**, 32, 3-20 1
- 172 The effect of selenium on learning disability due to maternal hyperthyroidism during lactation. 0 0
- 171 Experimental modelling of Alzheimer's disease for therapeutic screening. **2022**, 100044 0
- 170 SIRT1 Is Involved in the Neuroprotection of Pterostilbene Against Amyloid  $\beta$ 25-35-Induced Cognitive Deficits in Mice.. **2022**, 13, 877098 0
- 169 Degenerative changes and reactive growth responses of neurons following denervation and axotomy: historical concepts and their modern embodiments. 1-21 0

168 Data\_Sheet\_1.PDF. **2019**,

167 Image\_1.tif. **2019**,

166 Data\_Sheet\_1.DOCX. **2018**,

165 Table\_1.pdf. **2020**,

164 Table\_2.pdf. **2020**,

163 Table\_3.pdf. **2020**,

162 Table\_4.pdf. **2020**,

161 Table\_5.pdf. **2020**,

160 Table\_6.pdf. **2020**,

159 Table\_1.DOCX. **2020**,

158 Table\_2.DOC. **2020**,

157 Image\_1.TIF. **2018**,

156 Sex differences and estrous cycle changes in hippocampus-dependent fear conditioning. **1997**, 25, 246-252 60

155 Hippocampal place codes are gated by behavioral engagement.. **2022**, 0

154 Flexible use of memory by food-caching birds.. **2022**, 11, 0

153 Working memory and reward increase the accuracy of animal location encoding in the medial prefrontal cortex.. **2022**,

152 The anterior thalamic nuclei: core components of a tripartite episodic memory system.. **2022**, 2

151 Chronic Intermittent Ethanol Administration during Adolescence Produces Sex Dependent Impairments in Behavioral Flexibility and Survivability. **2022**, 12, 606 1



150	The Neural Circuit Architecture of Social Hierarchy in Rodents and Primates. <b>2022</b> , 16,	0
149	Biliverdin reductase bridges focal adhesion kinase to Src to modulate synaptic signaling.. <b>2022</b> , 15, eabh3066	1
148	Alterations to cognitive abilities and functional networks in rats post broad-band intense noise exposure.. <b>2022</b> , 1	0
147	Spatial maps and oscillations in the healthy hippocampus of Octodon degus, a natural model of sporadic Alzheimer's disease.. <b>2022</b> , 12, 7350	
146	Hippocampus-related cognitive disorders develop in the absence of epilepsy and ataxia in the heterozygous mutant mice .. <b>2022</b> , 16, 113-126	
145	Dietary administration of D-chiro-inositol attenuates sex-specific metabolic imbalances in the 5xFAD mouse model of Alzheimer's disease.. <b>2022</b> , 150, 112994	0
144	Prenatal and postnatal insults differentially contribute to executive function and cognition: Utilizing touchscreen technology for perinatal brain injury research.. <b>2022</b> , 114104	1
143	Hippocampal 3H-CPP binding and spatial learning deficits in aged rats. <b>1990</b> , 18, 298-304	14
142	Choice behavior of hippocampectomized rats in the radial arm maze. <b>1990</b> , 18, 416-421	13
141	Allocentric and egocentric spatial information processing in the hippocampal formation of the behaving primate. <b>1991</b> , 19, 21-40	61
140	No spatial learning impairment following exposure to inescapable shock. <b>1991</b> , 19, 127-134	17
139	Computer simulation of hippocampal place cells. <b>1991</b> , 19, 103-115	32
138	Age-related changes in spatial discrimination learning performance in Lewis rats. <b>1994</b> , 22, 149-155	
137	Sodium-azide-induced learning deficits in rats: Time course and corresponding pathology. <b>1997</b> , 25, 34-47	1
136	An evaluation of the effect of partial hippocampal kindling on place navigation by rats in the Morris water task. <b>1997</b> , 25, 126-132	7
135	Effects of NMDA receptor blockade on behaviors differentially affected by fimbria/fornix and amygdala lesions. <b>1997</b> , 25, 109-117	2
134	Evidence for the flexible use of spatial knowledge in the rat. <b>1997</b> , 25, 294-302	7
133	Rats' object-in-place encoding and the effect of fornix transection. <b>1998</b> , 26, 190-204	3

132	Effects of fimbria-fornix lesions on rats' use of intramaze stimuli in the water maze. <b>1998</b> , 26, 231-239	2
131	Hippocampal lesions produce a temporally graded retrograde amnesia on a dry version of the Morris swimming task. <b>1999</b> , 27, 313-330	20
130	Rats, nets, maps, and the emergence of place cells. <b>1992</b> , 20, 1-8	8
129	Stress impedes exploration and the acquisition of spatial information in the eight-arm radial maze. <b>1992</b> , 20, 247-253	14
128	Acquisition and retention of negative patterning in hippocampal-lesioned rats. <b>1997</b> , 25, 10-17	4
127	Spatial Orientation. <b>2022</b> , 6592-6602	
126	Coding. <b>2022</b> , 1461-1466	
125	Effects of marginal zinc deficiency on learning and memory ability after birth.	0
124	Morris Water Maze. <b>2022</b> , 4409-4410	
123	Rapid learning of predictive maps with STDP and theta phase precession.	1
122	Sevoflurane inhibits histone acetylation and contributes to cognitive dysfunction by enhancing the expression of ANP32A in aging mice. <b>2022</b> , 113949	2
121	Evaluating the Cognitive Impacts of Drospirenone, a Spironolactone-Derived Progestin, Independently and in Combination With Ethinyl Estradiol in Ovariectomized Adult Rats. <b>2022</b> , 16,	0
120	Ionotropic Glutamate Receptors (and Their Role in Health and Disease). <b>2022</b> , 1-30	
119	Design of a Real-Time Movement Decomposition-Based Rodent Tracker and Behavioral Analyzer Based on FPGA. <b>2022</b> , 1-11	
118	Sirt1 protects against hippocampal atrophy and its induced cognitive impairment in middle-aged mice. <b>2022</b> , 23,	1
117	Navigation task and action space drive the emergence of egocentric and allocentric spatial representations.	1
116	A novel fully-automated system for lifelong continuous phenotyping of mouse cognition and behaviour.	0
115	Absolute Winding Number Differentiates Mouse Spatial Navigation Strategies With Genetic Risk for Alzheimer's Disease. 16,	0

- 114 Cannabinoids and brain damage: A systematic review on a frequently overlooked issue. **2022**, 23, 0
- 113 Multisensory Rather than Unisensory Representations Contribute to Statistical Context Learning in Tactile Search. 1-16 0
- 112 The role of serotonin in declarative memory: A systematic review of animal and human research. **2022**, 139, 104729 2
- 111 Partial Endothelial Nitric Oxide Synthase Deficiency Exacerbates Cognitive Deficit and Amyloid Pathology in the APP<sup>swe</sup>/PS1<sup>E9</sup> Mouse Model of Alzheimer's Disease. **2022**, 23, 7316 0
- 110 Distinct roles of dentate gyrus and medial entorhinal cortex inputs for phase precession and temporal correlations in the hippocampal CA3 area. 0
- 109 Magnetoencephalography can reveal deep brain network activities linked to memory processes. 0
- 108 Hippocampal place cells have goal-oriented vector fields during navigation. *Nature*, 50.4 1
- 107 Active exploration of an environment drives the activation of the hippocampus-amygdala complex of domestic chicks. 0
- 106 P2X7R/NLRP3 signaling pathway-mediated pyroptosis and neuroinflammation contributed to cognitive impairment in a mouse model of migraine. **2022**, 23, 1
- 105 The Molecular Relationship between Stress and Insomnia. 2101203 0
- 104 The medial pallium and the spatial encoding of geometric and visual cues in the terrestrial toad, *Rhinella arenarum*. **2022**, 786, 136801 0
- 103 Architecture of normal cognitive aging. **2022**, 80, 101678 0
- 102 Enriched environment ameliorates propagation of tau pathology and improves cognition in rat model of tauopathy. 14, 0
- 101 Strategies discovery in the active allothetic place avoidance task. **2022**, 12, 0
- 100 Copyright Page. **2002**, iv-iv 0
- 99 Preface. **2002**, v-viii 0
- 98 A Model of Hippocampal Replay Driven by Experience and Environmental Structure Facilitates Spatial Learning. 0
- 97 Neuronal SNAP-23 scales hippocampal synaptic plasticity and memory. 0

96	An aqueous extract of <i>Syzygium cumini</i> protects against kainate-induced status epilepticus and amnesia: evidence for antioxidant and anti-inflammatory intervention.	1
95	Fos ensembles encode and shape stable spatial maps in the hippocampus.	1
94	Associations between developmental exposure to environmental contaminants and spatial navigation in late adolescence. <b>2022</b> , 2022, 11-35	1
93	Norepinephrine, beyond the Synapse: Coordinating Epigenetic Codes for Memory. <b>2022</b> , 23, 9916	0
92	Recognition Memory Induces Natural LTP-like Hippocampal Synaptic Excitation and Inhibition. <b>2022</b> , 23, 10806	1
91	Assessment of Alzheimer's Disease Imaging Biomarkers in World Trade Center Responders with Cognitive Impairment at Midlife.	0
90	Paradoxical effect of the antipsychotic drug sulpiride in the ventral pallidum: impairs learning and induces place preference..	0
89	KineticMSI, an R-based framework for relative quantification of spatial isotopic incorporation in mass spectrometry imaging experiments.	0
88	Single-cell RNA transcriptome analysis of CNS immune cells reveals CXCL16/CXCR6 as maintenance factors for tissue-resident T cells that drive synapse elimination. <b>2022</b> , 14,	0
87	Hippocampal spatial view cells for memory and navigation, and their underlying connectivity in humans.	0
86	Path integration deficits with phosphorylated tau accumulation in the entorhinal cortex in mice and humans.	0
85	Novel Dopamine Transporter Inhibitor, CE-123, Ameliorates Spatial Memory Deficits Induced by Maternal Separation in Adolescent Rats: Impact of Sex. <b>2022</b> , 23, 10718	0
84	Improved Visual SLAM Using Semantic Segmentation and Layout Estimation. <b>2022</b> , 11, 91	0
83	Assessment of Executive Function in a rodent model of Type 1 Diabetes. <b>2022</b> , 114130	0
82	Spatial cognition and the avian hippocampus: Research in domestic chicks. 13,	1
81	Hippocampal damage causes retrograde amnesia for objects'visual, but not odour, properties.	0
80	Memory recall: New behavioral protocols for examining distinct forms of context specific recall in animals. <b>2022</b> , 107685	0
79	Behavior is movement only but how to interpret it? Problems and pitfalls in translational neuroscience— 40-year experience. 16,	0

78	Ionotropic Glutamate Receptors (and Their Role in Health and Disease). <b>2022</b> , 57-86	○
77	Hippocampal inactivation during rearing on hind legs impairs spatial memory.	○
76	World Trade Center Site Exposure Duration Is Associated with Hippocampal and Cerebral White Matter Neuroinflammation.	1
75	Pathway-specific GABAergic inhibition contributes to the gain of resilience against anorexia-like behavior of adolescent female mice. 16,	○
74	Entorhinal grid-like codes and time-locked network dynamics track others navigating through space.	○
73	Regulation of Genes Related to Cognition after tDCS in an Intermittent Hypoxic Brain Injury Rat Model. <b>2022</b> , 13, 1824	○
72	Neuronal signature of spatial decision-making during navigation by freely moving rats by using calcium imaging. <b>2022</b> , 119,	○
71	Importance of Glutamine in Synaptic Vesicles Revealed by Functional Studies of SLC6A17 and Its Mutations Pathogenic for Intellectual Disability.	○
70	Navigation task and action space drive the emergence of egocentric and allocentric spatial representations. <b>2022</b> , 18, e1010320	○
69	Discovery of novel imidazole chemotypes as isoform-selective JNK3 inhibitors for the treatment of Alzheimer's disease. <b>2022</b> , 114894	○
68	Neural Correlates of Spatial Navigation in Primate Hippocampus.	○
67	Developmental deltamethrin: Sex-specific hippocampal effects in Sprague Dawley rats. <b>2022</b> , 100093	○
66	Minocycline, a classic antibiotic, exerts psychotropic effects by normalizing microglial neuroinflammation-evoked tryptophan-kynurenine pathway dysregulation in chronically stressed male mice. <b>2022</b> ,	○
65	Querying hippocampal replay with subcortical inputs. <b>2022</b> , 77, 102645	○
64	Perineuronal nets affect memory and learning after synapse withdrawal. <b>2022</b> , 12,	○
63	The antipsychotic drug sulpiride in the ventral pallidum paradoxically impairs learning and induces place preference. <b>2022</b> , 12,	○
62	Effect of icariin in a rat model of colchicine-induced cognitive deficit: role of $\beta$ -amyloid proteolytic enzymes. 1-11	○
61	Fish oil and probiotics supplementation through milk chocolate improves spatial learning and memory in male Wistar rats. 9,	○

- 60 Silencing hippocampal CA2 reduces behavioral flexibility in spatial learning. ○
- 59 Milk fat globule membrane concentrate as a nutritional supplement prevents age-related cognitive decline in old rats: A lipidomic study of synaptosomes. **2022**, 112163 ○
- 58 Anti-apoptosis effect of recombinant human interleukin-11 in neonatal hypoxic-ischemic rats through activating the IL-11R $\alpha$ /STAT3 signaling pathway. **2023**, 32, 106923 ○
- 57 Aniba canelilla (Kunth) Mez essential oil and its primary constituent, 1-nitro-2-phenylethane, inhibits acetylcholinesterase and reverse memory impairment in rodents. **2023**, 303, 116036 ○
- 56 Effects of liraglutide on depressive behavior in a mouse depression model and cognition in the probe trial of Morris water maze test. **2023**, 324, 8-15 ○
- 55 Virtual Reality Water Maze Navigation in Children with Neurofibromatosis Type 1 and Reading Disability: an Exploratory Study. ○
- 54 From cognitive maps to spatial schemas. ○
- 53 Context-independent expression of spatial code in hippocampus. **2022**, 12, ○
- 52 Sınlarda 6-n-propil-2-tiourasil ile bozulan ğenme ve bellek performansına selenyumun etki. **2022**, 15, 480-489 ○
- 51 Significance of visual scene-based learning in the hippocampal systems across mammalian species. ○
- 50 Adult neurogenesis improves spatial information encoding in the mouse hippocampus. ○
- 49 DREADD -inactivation of dorsal CA1 pyramidal neurons in mice impairs retrieval of object and spatial memories. ○
- 48 Distinct spatial maps and multiple object codes in the lateral entorhinal cortex. ○
- 47 The expanded circuitry of hippocampal ripples and replay. **2022**, ○
- 46 Reversal of spatial memory impairment by phosphodiesterase 3 inhibitor cilostazol is associated with reduced neuroinflammation and increased cerebral glucose uptake in aged male mice. 13, ○
- 45 Lead and Excitotoxicity. **2022**, 2243-2281 ○
- 44 Virtual reality technology in neuropsychological testing: A systematic review. ○
- 43 A shift in the mechanisms controlling hippocampal engram formation during brain maturation. ○

- 42 The molecular memory code and synaptic plasticity: A synthesis. **2023**, 224, 104825 ○
- 41 Docosahexaenoic Acid Ameliorates Contextual Fear Memory Deficits in the Tg2576 Alzheimer's Disease Mouse Model: Cellular and Molecular Correlates. **2023**, 15, 82 ○
- 40 Age differences in spatial memory are mitigated during naturalistic navigation. ○
- 39 Entorhinal grid-like codes and time-locked network dynamics track others navigating through space. **2023**, 14, ○
- 38 Astrocyte and neuronal Panx1 support long-term reference memory in mice. ○
- 37 Peripheral administration of nanomicelle-encapsulated anti-A $\beta$  oligomer fragment antibody reduces various toxic A $\beta$  species in the brain. **2023**, 21, ○
- 36 Cell-type-specific translational control of spatial working memory by the cap-binding protein 4EHP. **2023**, 16, ○
- 35 Ventral hippocampal CA1 modulates pain behaviors in mice with peripheral inflammation. **2023**, 42, 112017 ○
- 34 All-optical physiology resolves a synaptic basis for behavioral timescale plasticity. **2023**, 186, 543-559.e19 ○
- 33 Long non-coding RNA MEG3 alleviates postoperative cognitive dysfunction by suppressing inflammatory response and oxidative stress via has-miR-106a-5p/SIRT3. **2023**, 34, 357-367 ○
- 32 Neural mechanisms for spatial cognition across vertebrates. 2, 1 ○
- 31 Hippocampal Noradrenaline Is a Positive Regulator of Spatial Working Memory and Neurogenesis in the Rat. **2023**, 24, 5613 ○
- 30 Spatial navigation and memory: A review of the similarities and differences relevant to brain models and age. **2023**, 111, 1037-1049 ○
- 29 Tactile cognition in rodents. **2023**, 149, 105161 ○
- 28 Ginsenoside Re mitigates memory impairments in aged GPx-1 KO mice by inhibiting the interplay between PAFR, NFB, and microgliosis in the hippocampus. **2023**, 173, 113627 ○
- 27 Fast-onset effects of *Pseudospondias microcarpa* (A. Rich) Engl. (Anacardiaceae) hydroethanolic leaf extract on behavioral alterations induced by chronic mild stress in mice. **2023**, 18, e0278231 ○
- 26 Changes in cognitive function, synaptic structure and protein expression after long-term exposure to 2.856 and 9.375 GHz microwaves. **2023**, 21, ○
- 25 The cerebellum promotes sequential foraging strategies and contributes to the directional modulation of hippocampal place cells. **2023**, 26, 106200 ○

- 24 Copper Induces Cognitive Impairment in Mice via Modulation of Cuproptosis and CREB Signaling. **2023**, 15, 972 ○
- 23 Neuroprotective Effect of Barbaloin on Streptozotocin-Induced Cognitive Dysfunction in Rats via Inhibiting Cholinergic and Neuroinflammatory Cytokines Pathway-TNF- $\alpha$ /IL-1 $\beta$ /IL-6/NF- $\kappa$ B. **2023**, 8, 8110-8118 ○
- 22 Organization of hippocampal CA3 into correlated cell assemblies supports a stable spatial code. **2023**, 42, 112119 ○
- 21 Execution of new trajectories toward a stable goal without a functional hippocampus. ○
- 20 Spautin-1 administration mitigates mild TBI-induced cognitive and memory dysfunction in mice via activation of caspase-3. **2023**, 117, 109906 ○
- 19 Effects of experimental brain lesions on spatial navigation. **2024**, ○
- 18 Intermittent treatment with Apremilast, a phosphodiesterase-4 inhibitor, ameliorates Alzheimer's-like pathology and symptoms through multiple targeting actions in aged T2D rats. **2023**, 117, 109927 ○
- 17 Functional re-organization of hippocampal-cortical gradients during naturalistic memory processes. **2023**, 271, 119996 ○
- 16 Gated transformations from egocentric to allocentric reference frames involving retrosplenial cortex, entorhinal cortex, and hippocampus. ○
- 15 Paeoniflorin Attenuates Lipopolysaccharide-Induced Cognitive Dysfunction by Inhibition of Amyloidogenesis in Mice. **2023**, 24, 4838 ○
- 14 Delayed formation of neural representations of space in aged mice. ○
- 13 Structural Contents. **2023**, 99-117 ○
- 12 A model of hippocampal replay driven by experience and environmental structure facilitates spatial learning. 12, ○
- 11 Topography of inputs into the hippocampal formation of a food-caching bird. ○
- 10 Learning predictive cognitive maps with spiking neurons during behavior and replays. 12, 2
- 9 Rapid learning of predictive maps with STDP and theta phase precession. 12, 2
- 8 Aberrant survival of hippocampal Cajal-Retzius cells leads to memory deficits, gamma rhythmopathies and susceptibility to seizures in adult mice. **2023**, 14, ○
- 7 Silencing hippocampal CA2 reduces behavioral flexibility in spatial learning. ○



- 6 Dynamic synchronization between hippocampal representations and stepping. ○
- 5 Influence of amyloid beta on impulse spiking of isolated hippocampal neurons. 17, ○
- 4 Hippocampal inactivation during rearing on hind legs impairs spatial memory. **2023**, 13, ○
- 3 Modeling the function of episodic memory in spatial learning. 14, ○
- 2 Programmed ageing: decline of stem cell renewal, immunosenescence, and Alzheimer's disease. ○
- 1 **Cordyceps cicadae** NTTU 868 Mycelia Fermented with Deep Ocean Water Minerals Prevents D-Galactose-Induced Memory Deficits by Inhibiting Oxidative Inflammatory Factors and Aging-Related Risk Factors. **2023**, 15, 1968 ○