Martine Ammassari-Teule

List of Publications by Year
in descending order

124 papers	4,459 citations	109321 35 h-index	123424 61 g-index
125 all docs	125 docs citations	125 times ranked	5967 citing authors

#	Article	IF	Citations
1	Caspase-3 triggers early synaptic dysfunction in a mouse model of Alzheimer's disease. Nature Neuroscience, 2011, 14, 69-76.	14.8	479
2	Enriched environment promotes behavioral and morphological recovery in a mouse model for the fragile X syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11557-11562.	7.1	279
3	The Formation of Recent and Remote Memory Is Associated with Time-Dependent Formation of Dendritic Spines in the Hippocampus and Anterior Cingulate Cortex. Journal of Neuroscience, 2009, 29, 8206-8214.	3.6	279
4	N-cofilin is associated with neuronal migration disorders and cell cycle control in the cerebral cortex. Genes and Development, 2007, 21, 2347-2357.	5.9	167
5	Spine growth in the anterior cingulate cortex is necessary for the consolidation of contextual fear memory. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8456-8460.	7.1	152
6	Spatial learning and memory, maze running strategies and cholinergic mechanisms in two inbred strains of mice. Behavioural Brain Research, 1985, 17, 9-16.	2.2	109
7	NH2-truncated human tau induces deregulated mitophagy in neurons by aberrant recruitment of Parkin and UCHL-1: implications in Alzheimer's disease. Human Molecular Genetics, 2015, 24, 3058-3081.	2.9	103
8	Impaired adult neurogenesis is an early event in Alzheimerâ€™s disease neurodegeneration, mediated by intracellular AÎ² oligomers. Cell Death and Differentiation, 2020, 27, 934-948.	11.2	97
9	The differences shown by C57BL/6 and DBA/2 inbred mice in detecting spatial novelty are subserved by a different hippocampal and parietal cortex interplay. Behavioural Brain Research, 1996, 80, 33-40.	2.2	88
10	Plastic and behavioral abnormalities in experimental Huntington's disease: A crucial role for cholinergic interneurons. Neurobiology of Disease, 2006, 22, 143-152.	4.4	79
11	Learning in inbred mice: Strain-specific abilities across three radial maze problems. Behavior Genetics, 1993, 23, 405-412.	2.1	78
12	Phosphodiesterase type IV inhibition prevents sequestration of CREB binding protein, protects striatal parvalbumin interneurons and rescues motor deficits in the R6/2 mouse model of Huntingtonâ€™s disease. European Journal of Neuroscience, 2009, 29, 902-910.	2.6	77
13	Viralâ€mediated expression of a constitutively active form of CREB in hippocampal neurons increases memory. Hippocampus, 2009, 19, 228-234.	1.9	73
14	A Synaptic Mechanism Underlying the Behavioral Abnormalities Induced by Manganese Intoxication. Neurobiology of Disease, 2001, 8, 419-432.	4.4	72
15	Entorhinal Cortex dysfunction can be rescued by inhibition of microglial RAGE in an Alzheimerâ€™s disease mouse model. Scientific Reports, 2017, 7, 42370.	3.3	64
16	Altered cortico-striatal synaptic plasticity and related behavioural impairments in reeler mice. European Journal of Neuroscience, 2006, 24, 2061-2070.	2.6	54
17	Amygdala and dorsal hippocampus lesions block the effects of GABAergic drugs on memory storage. Brain Research, 1991, 551, 104-109.	2.2	52
18	N -Methyl- D -aspartate receptors in the nucleus accumbensâ‹…are involved in detection of spatial novelty in mice. Psychopharmacology, 1998, 137, 175-183.	3.1	52

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19	Genetic approach to variability of memory systems: Analysis of place vs. response learning and Fos-related expression in hippocampal and striatal areas of C57BL/6 and DBA/2 mice. Hippocampus, 2002, 12, 63-75.	1.9	52
20	CREB is necessary for synaptic maintenance and learningâ€induced changes of the ampa receptor GluA1 subunit. Hippocampus, 2013, 23, 488-499.	1.9	52
21	Dopamine loss alters the hippocampus-nucleus accumbens synaptic transmission in the Tg2576 mouse model of Alzheimer's disease. Neurobiology of Disease, 2018, 116, 142-154.	4.4	50
22	Spatial learning in two inbred strains of mice: genotype-dependent effect of amygdaloid and hippocampal lesions. Behavioural Brain Research, 1991, 45, 9-16.	2.2	49
23	Radial maze performance and open-field behaviours in aged C57BL/6 mice: Further evidence for preserved cognitive abilities during senescence. Physiology and Behavior, 1994, 55, 341-345.	2.1	44
24	Age-related modifications of contextual information processing in rats: role of emotional reactivity, arousal and testing procedure. Behavioural Brain Research, 2000, 114, 153-165.	2.2	44
25	The Promnesic Effect of G-protein-Coupled 5-HT4 Receptors Activation Is Mediated by a Potentiation of Learning-Induced Spine Growth in the Mouse Hippocampus. Neuropsychopharmacology, 2008, 33, 2427-2434.	5.4	44
26	Preserved Fronto-Striatal Plasticity and Enhanced Procedural Learning in a Transgenic Mouse Model of Alzheimer's Disease Overexpressing Mutant hAPPswe. Learning and Memory, 2004, 11, 447-452.	1.3	43
27	Molecular and synaptic changes in the hippocampus underlying superior spatial abilities in pre-symptomatic G93A+/+ mice overexpressing the human Cu/Zn superoxide dismutase (Gly93Ââ†'ÂALA) mutation. Experimental Neurology, 2006, 197, 505-514.	4.1	43
28	Involvement of glutamatergic and dopaminergic systems in the reactivity of mice to spatial and non-spatial change. Psychopharmacology, 1996, 126, 55-61.	3.1	42
29	The non-coding RNA BC1 regulates experience-dependent structural plasticity and learning. Nature Communications, 2017, 8, 293.	12.8	42
30	Extinction partially reverts structural changes associated with remote fear memory. Learning and Memory, 2011, 18, 554-557.	1.3	41
31	Selective inhibition of miRâ€92 in hippocampal neurons alters contextual fear memory. Hippocampus, 2014, 24, 1458-1465.	1.9	41
32	Altered long-term corticostriatal synaptic plasticity in transgenic mice overexpressing human CU/ZN superoxide dismutase (GLY93â†'ALA) mutation. Neuroscience, 2003, 118, 399-408.	2.3	38
33	Reactions to spatial and nonspatial change in two inbred strains of mice: Further evidence supporting the hippocampal dysfunction hypothesis in the DBA/2 strain. Cognitive, Affective and Behavioral Neuroscience, 1995, 23, 284-289.	1.3	38
34	Prenatal exposure to morphine in mice: Enhanced responsiveness to morphine and stress. Pharmacology Biochemistry and Behavior, 1984, 21, 103-108.	2.9	36
35	<scp>T</scp>yr682 in the <scp>A</scp>Î²â€precursor protein intracellular domain regulates synaptic connectivity, cholinergic function, and cognitive performance. Aging Cell, 2012, 11, 1084-1093.	6.7	36
36	Simultaneous olfactory discrimination elicits a strain-specific increase in dendritic spines in the hippocampus of inbred mice. Hippocampus, 2006, 16, 472-479.	1.9	35

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37	Synaptic Adaptations of CA1 Pyramidal Neurons Induced by a Highly Effective Combinational Antidepressant Therapy. Biological Psychiatry, 2010, 67, 146-154.	1.3	35
38	Opposite Dysregulation of Fragile-X Mental Retardation Protein and Heteronuclear Ribonucleoprotein C Protein Associates with Enhanced APP Translation in Alzheimer Disease. Molecular Neurobiology, 2016, 53, 3227-3234.	4.0	35
39	Abnormal medial prefrontal cortex connectivity and defective fear extinction in the presymptomatic G93A SOD1 mouse model of ALS. Genes, Brain and Behavior, 2008, 7, 427-434.	2.2	34
40	Reelin haploinsufficiency reduces the density of PV+ neurons in circumscribed regions of the striatum and selectively alters striatal-based behaviors. Psychopharmacology, 2009, 204, 511-521.	3.1	34
41	Different effects of apomorphine on locomotor activity in C57BL/6 and DBA/2 mice. Pharmacology Biochemistry and Behavior, 1981, 14, 741-743.	2.9	33
42	What do comparative studies of inbred mice add to current investigations on the neural basis of spatial behaviors?. Experimental Brain Research, 1998, 123, 36-44.	1.5	33
43	Effects of oxiracetam-nicotine combinations on active and passive avoidance learning in mice. Pharmacology Biochemistry and Behavior, 1991, 39, 197-200.	2.9	30
44	CREB selectively controls learning-induced structural remodeling of neurons. Learning and Memory, 2012, 19, 330-336.	1.3	30
45	Progression of activity and structural changes in the anterior cingulate cortex during remote memory formation. Neurobiology of Learning and Memory, 2015, 123, 67-71.	1.9	29
46	Passive immunotherapy for N-truncated tau ameliorates the cognitive deficits in two mouse Alzheimerâ€™s disease models. Brain Communications, 2020, 2, fcaa039.	3.3	29
47	The strain-specific involvement of nucleus accumbens in latent inhibition might depend on differences in processing configural- and cue-based information between C57BL/6 and DBA mice. Brain Research Bulletin, 2002, 57, 35-39.	3.0	28
48	Progressive cognitive decline in a transgenic mouse model of Alzheimer's disease overexpressing mutant hAPPswe. Genes, Brain and Behavior, 2006, 5, 249-256.	2.2	28
49	Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. Molecular Neurobiology, 2018, 55, 7921-7940.	4.0	28
50	Selective effects of hippocampal and frontal cortex lesions on a spatial learning problem in two inbred strains of mice. Behavioural Brain Research, 1982, 5, 189-197.	2.2	27
51	Mechanisms by which autophagy regulates memory capacity in ageing. Aging Cell, 2020, 19, e13189.	6.7	27
52	Epilepsyâ€induced abnormal striatal plasticity in Bassoon mutant mice. European Journal of Neuroscience, 2009, 29, 1979-1993.	2.6	26
53	Learning discloses abnormal structural and functional plasticity at hippocampal synapses in the APP23 mouse model of Alzheimer's disease. Learning and Memory, 2010, 17, 236-240.	1.3	26
54	Parallel modifications of spatial memory performances, exploration patterns, and hippocampal theta rhythms in fornix-damaged rats: Reversal of oxotremorine.. Behavioral Neuroscience, 1988, 102, 601-604.	1.2	25

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55	Clonidine reverses spatial learning deficits and reinstates Î¸ frequencies in rats with partial fornix section. Behavioural Brain Research, 1991, 45, 1-8.	2.2	25
56	Intensification of maternal care by doubleâ€mothering boosts cognitive function and hippocampal morphology in the adult offspring. Hippocampus, 2011, 21, 298-308.	1.9	25
57	Environmental enrichment restores CA1 hippocampal LTP and reduces severity of seizures in epileptic mice. Experimental Neurology, 2014, 261, 320-327.	4.1	25
58	Mechanical deafferentation of basal forebrain-cortical pathways and neurotoxic lesions of the nucleus basalis magnocellularis: comparative effect on spatial learning and cortical acetylcholine release in vivo. Behavioural Brain Research, 1993, 54, 145-152.	2.2	24
59	Pin1 Modulates the Synaptic Content of NMDA Receptors via Prolyl-Isomerization of PSD-95. Journal of Neuroscience, 2016, 36, 5437-5447.	3.6	24
60	Hippocampal 72-kDa heat shock protein expression varies according to mice learning performance independently from chronic exposure to stress. Hippocampus, 2005, 15, 413-417.	1.9	23
61	Oxiracetam prevents mecamylamine-induced impairment of active, but not passive, avoidance learning in mice. Pharmacology Biochemistry and Behavior, 1990, 36, 389-392.	2.9	22
62	Electrophysiology of glioma: a Rho GTPase-activating protein reduces tumor growth and spares neuron structure and function. Neuro-Oncology, 2016, 18, 1634-1643.	1.2	21
63	Indistinguishable pattern of amygdala and hippocampus rewiring following tone or contextual fear conditioning in C57BL/6 mice. Frontiers in Behavioral Neuroscience, 2013, 7, 156.	2.0	20
64	SMN affects membrane remodelling and anchoring of the protein synthesis machinery. Journal of Cell Science, 2016, 129, 804-16.	2.0	20
65	Enhanced mGlu5-receptor dependent long-term depression at the Schaffer collateral-CA1 synapse of congenitally learned helpless rats. Neuropharmacology, 2013, 66, 339-347.	4.1	19
66	Reactivating fear memory under propranolol resets pre-trauma levels of dendritic spines in basolateral amygdala but not dorsal hippocampus neurons. Frontiers in Behavioral Neuroscience, 2013, 7, 211.	2.0	19
67	Genotype-dependent involvement of limbic areas in spatial learning and postlesion recovery. Physiology and Behavior, 1992, 52, 505-510.	2.1	18
68	Fear conditioning in C57/BL/6 and DBA/2 mice: variability in nucleus accumbens function according to the strain predisposition to show contextual- or cue-based responding. European Journal of Neuroscience, 2000, 12, 4467-4474.	2.6	18
69	Prenatal exposure to gamma/neutron irradiation: Sensorimotor alterations and paradoxical effects on learning. Teratology, 1991, 43, 61-70.	1.6	17
70	Posterior parietal cortex lesions severely disrupt spatial learning in DBA mice characterized by a genetic hippocampal dysfunction. Behavioural Brain Research, 1998, 95, 85-90.	2.2	17
71	Enhanced procedural learning following beta-amyloid protein (1-42) infusion in the rat. NeuroReport, 2002, 13, 1679-1682.	1.2	17
72	The amygdala mediates the impairing effect of the selective Î¼-opioid receptor agonist U-50,488 on memory in CD1 mice. Behavioural Brain Research, 1988, 30, 259-263.	2.2	16

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73	Learning about the context in genetically-defined mice. Behavioural Brain Research, 2001, 125, 195-204.	2.2	16
74	AD-Related N-Terminal Truncated Tau Is Sufficient to Recapitulate In Vivo the Early Perturbations of Human Neuropathology: Implications for Immunotherapy. Molecular Neurobiology, 2018, 55, 8124-8153.	4.0	16
75	Different mossy fiber patterns in two inbred strains of mice: A functional hypothesis. Neuroscience Letters, 1983, 36, 111-116.	2.1	15
76	Modifications of open field and novelty behaviours by hippocampal and amygdaloid lesions in two inbred strains of mice: Lack of strain Ã— lesion interactions. Behavioural Processes, 1992, 27, 155-164.	1.1	15
77	Spatial and visual discrimination learning in CD1 mice: Partial analogy between the effect of lesions to the hippocampus and the amygdala. Physiology and Behavior, 1996, 60, 265-271.	2.1	15
78	Title is missing!. Behavior Genetics, 1999, 29, 283-289.	2.1	15
79	Reversible inactivation of hippocampus and dorsolateral striatum in C57BL/6 and DBA/2 inbred mice failed to show interaction between memory systems in these genotypes. Behavioural Brain Research, 2004, 154, 527-534.	2.2	15
80	Landmark-based but not vestibular-based orientation elicits mossy fiber synaptogenesis in the mouse hippocampus. Neurobiology of Learning and Memory, 2007, 87, 174-180.	1.9	15
81	eEF1BÎ³ binds the Che-1 and TP53 gene promoters and their transcripts. Journal of Experimental and Clinical Cancer Research, 2016, 35, 146.	8.6	15
82	Activity-Induced Amyloid-Î² Oligomers Drive Compensatory Synaptic Rearrangements in Brain Circuits Controlling Memory of Presymptomatic Alzheimer's Disease Mice. Biological Psychiatry, 2019, 86, 185-195.	1.3	15
83	Synaptic plasticity under learning challenge. Neurobiology of Learning and Memory, 2014, 115, 108-115.	1.9	14
84	CREB Regulates Experience-Dependent Spine Formation and Enlargement in Mouse Barrel Cortex. Neural Plasticity, 2015, 2015, 1-11.	2.2	14
85	The dorsal hippocampus is selectively involved in the processing of spatial information even in mice with a genetic hippocampal dysfunction. Cognitive, Affective and Behavioral Neuroscience, 1997, 25, 118-125.	1.3	14
86	Region-specific changes in the microanatomy of single dendritic spines over time might account for selective memory alterations in ageing hAPPsweTg2576 mice, a mouse model for Alzheimer disease. Neurobiology of Learning and Memory, 2008, 90, 467-471.	1.9	13
87	Open field behaviours and spatial learning performance in C57BL/6 mice: early stage effects of chronic GM1 ganglioside administration. Psychopharmacology, 1991, 105, 209-212.	3.1	12
88	Visual Discrimination in Inbred Mice. Physiology and Behavior, 1999, 67, 393-399.	2.1	12
89	Strain Differences in Rewarded Discrimination Learning Using the Olfactory Tubing Maze. Behavior Genetics, 2006, 36, 923-934.	2.1	11
90	Mossy fiber distribution in four lines of rats: A correlative study with avoidance abilities and excitability thresholds. Physiological Psychology, 1984, 12, 30-34.	0.8	10

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91	Transcranial Magnetic Stimulation Exerts â€œRejuvenationâ€•Effects on Corticostriatal Synapses after Partial Dopamine Depletion. Movement Disorders, 2021, 36, 2254-2263.	3.9	10
92	Properties of mapping induced by fornix damages: Learning and memorizing the radial maze task. Physiological Psychology, 1985, 13, 230-234.	0.8	9
93	Strains of Rodents and the Pharmacology of Learning and Memory. Neural Plasticity, 2004, 11, 205-216.	2.2	9
94	Radial maze performance in inbred mice: Evidence for strain-dependent neural nets subserving spatial learning abilities. Cognitive, Affective and Behavioral Neuroscience, 1994, 22, 320-327.	1.3	9
95	Contextual-dependent effects of nucleus accumbens lesions on spatial learning in mice. NeuroReport, 2000, 11, 2485-2490.	1.2	8
96	Viral-mediated expression of a constitutively active form of CREB in the dentate gyrus does not induce abnormally enduring fear memory. Behavioural Brain Research, 2011, 222, 394-396.	2.2	8
97	Transient upregulation of translational efficiency in prodromal and early symptomatic Tg2576 mice contributes to AÎ² pathology. Neurobiology of Disease, 2020, 139, 104787.	4.4	8
98	Blocking of morphine-induced locomotor hyperactivity by amygdaloid lesions in C57BL/6 mice. Brain Research, 1989, 479, 1-5.	2.2	7
99	Chronic administration of phosphatidylserine during ontogeny enhances subject-environment interactions and radial maze performance in C57BL/6 mice. Physiology and Behavior, 1990, 47, 755-760.	2.1	7
100	Pre-synaptic control of remote fear extinction in the neocortex. Frontiers in Behavioral Neuroscience, 2012, 6, 34.	2.0	7
101	Inhibition of hippocampal plasticity in rats performing contrafreeloading for water under repeated administrations of pramipexole. Psychopharmacology, 2016, 233, 727-737.	3.1	7
102	Extracellular matrix controls neuronal features that mediate the persistence of fear. Brain Structure and Function, 2017, 222, 3889-3898.	2.3	7
103	Spatial learning in golden hamsters: Relationship between food-searching strategies and difficulty of the task. Behavioural Processes, 1982, 7, 353-365.	1.1	6
104	Avoidance facilitation in adult mice by prenatal administration of the nootropic drug oxiracetam. Pharmacological Research Communications, 1986, 18, 1169-1176.	0.2	6
105	Choice behavior of fornix-damaged rats in radial maze error-free situations and subsequent learning. Physiology and Behavior, 1992, 51, 563-567.	2.1	6
106	Effects of oxiracetam, physostigmine, and their combination on active and passive avoidance learning in mice. Pharmacology Biochemistry and Behavior, 1993, 44, 451-455.	2.9	6
107	Post-extinction selective persistence of large dendritic spines in fear remodeled circuits may serve to reactivate fear. Current Opinion in Neurobiology, 2015, 35, 1-5.	4.2	6
108	Early-Occurring Dendritic Spines Alterations in Mouse Models of Alzheimerâ€™s Disease Inform on Primary Causes of Neurodegeneration. Frontiers in Synaptic Neuroscience, 2020, 12, 566615.	2.5	6

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109	Neural compensation in presymptomatic hAPP mouse models of Alzheimer's disease. Learning and Memory, 2020, 27, 390-394.	1.3	6
110	Facilitation of generalization performances in spatial learning problems by posttrial stimulation of the mesencephalic reticular formation. Physiology and Behavior, 1984, 32, 1027-1031.	2.1	5
111	Enhancement of radial maze performances in CD1 mice after prenatal exposure to oxiracetam: Possible role of sustained investigative responses developed during ontogeny. Physiology and Behavior, 1988, 42, 281-285.	2.1	5
112	Enhancement by oxiracetam of passive avoidance improvement induced by the presynaptic muscarinic antagonist secoverine in mice. Behavioural Brain Research, 1992, 47, 93-95.	2.2	5
113	Is structural remodeling in regions governing memory an univocal correlate of memory?. Neurobiology of Learning and Memory, 2016, 136, 28-33.	1.9	5
114	Limited and extensive cuing inversely control spatial learning performance in fornix-damaged and nonlesioned rats. Cognitive, Affective and Behavioral Neuroscience, 1991, 19, 323-331.	1.3	5
115	Coincident Pre- and Post-Synaptic Cortical Remodelling Disengages Episodic Memory from Its Original Context. Molecular Neurobiology, 2019, 56, 8513-8523.	4.0	4
116	Inbred Mice Again at Stake: How the Cognitive Profile of the Wild-Type Mouse Background Discloses Pathogenic Effects of APP Mutations. Frontiers in Behavioral Neuroscience, 0, 16, .	2.0	3
117	Editorial: Dendritic Spines: From Biophysics to Neuropathology. Frontiers in Synaptic Neuroscience, 2021, 13, 652117.	2.5	2
118	Ontogenic And Genetic Variability In The Morphology Of The Somatosensory Cortex In Developing C57BL/6 AND SEC/RelJ Mice. International Journal of Neuroscience, 1983, 19, 221-226.	1.6	1
119	Age-Dependent Learning Performance during Development and Aging in C57BL/6 Mice. Dementia and Geriatric Cognitive Disorders, 1992, 3, 247-250.	1.5	1
120	Fear conditioning in C57/BL/6 and DBA/2 mice: variability in nucleus accumbens function according to the strain predisposition to show contextualâ€•or cueâ€based responding. European Journal of Neuroscience, 2000, 12, 4467-4474.	2.6	1
121	Dendritic Spine Plasticity and Memory Formation. , 2017, , 199-215.		1
122	A Gateway between Recent and Remote Memory. Frontiers in Neuroscience, 2012, 6, 153.	2.8	0
123	NS.4.2 - PRAMIPEXOLE DISRUPTS SYNAPTIC PLASTICITY IN THE CA1 AREA OF THE HIPOCAMPUS OF RATS THAT DEVELOP CONTRAFREELOADING FOR WATER, AN ANIMAL MODEL OF COMPULSIVE BEHAVIOR. Behavioural Pharmacology, 2013, 24, e21.	1.7	0
124	The 70kDa Heat Shock Protein Family and Learning. Heat Shock Proteins, 2010, , 217-240.	0.2	0