

# Tangui Maurice

## List of Publications by Year in descending order

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172  
papers

9,615  
citations

38742

50  
h-index

49909

87  
g-index

186  
all docs

186  
docs citations

186  
times ranked

8457  
citing authors

#	ARTICLE	IF	CITATIONS
1	The pharmacology of sigma-1 receptors. , 2009, 124, 195-206.		575
2	Amnesia induced in mice by centrally administered $\hat{1}^2$ -amyloid peptides involves cholinergic dysfunction. Brain Research, 1996, 706, 181-193.	2.2	494
3	The sigma-1 receptor chaperone as an inter-organelle signaling modulator. Trends in Pharmacological Sciences, 2010, 31, 557-566.	8.7	394
4	The anti-amnesic and neuroprotective effects of donepezil against amyloid $\hat{1}^2$ peptide-induced toxicity in mice involve an interaction with the $\hat{1}$ receptor. British Journal of Pharmacology, 2006, 149, 998-1012.	5.4	269
5	The interaction between neuroactive steroids and the $\hat{1}f1$ receptor function: behavioral consequences and therapeutic opportunities. Brain Research Reviews, 2001, 37, 116-132.	9.0	211
6	Behavioral evidence for a modulating role of $\hat{1}f$ ligands in memory processes. I. Attenuation of dizocilpine (MK-801)-induced amnesia. Brain Research, 1994, 647, 44-56.	2.2	203
7	Neuroprotective and anti-amnesic potentials of sigma ( $\hat{1}f$ ) receptor ligands. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1997, 21, 69-102.	4.8	198
8	Neuroactive Neurosteroids as Endogenous Effectors for the Sigma1 (.SIGMA.1) Receptor. Pharmacological Evidence and Therapeutic Opportunities.. The Japanese Journal of Pharmacology, 1999, 81, 125-155.	1.2	170
9	Oxidative Stress, Inflammation, and Autophagic Stress as the Key Mechanisms of Premature Age-Related Hearing Loss in SAMP8 Mouse Cochlea. Antioxidants and Redox Signaling, 2012, 16, 263-274.	5.4	161
10	The Sigma1 Protein as a Target for the Non-genomic Effects of Neuro(active)steroids: Molecular, Physiological, and Behavioral Aspects. Journal of Pharmacological Sciences, 2006, 100, 93-118.	2.5	154
11	Sigma1 ( $\hat{1}f1$ ) receptor antagonists represent a new strategy against cocaine addiction and toxicity. Neuroscience and Biobehavioral Reviews, 2002, 26, 499-527.	6.1	149
12	Anxiolytic properties of green tea polyphenol ( $\hat{a}$ )-epigallocatechin gallate (EGCG). Brain Research, 2006, 1110, 102-115.	2.2	147
13	Altered Memory Capacities and Response to Stress in p300/CBP-Associated Factor (PCAF) Histone Acetylase Knockout Mice. Neuropsychopharmacology, 2008, 33, 1584-1602.	5.4	133
14	Blockade of Tau Hyperphosphorylation and $\hat{A}\hat{1}^2$ Generation by the Aminotetrahydrofuran Derivative ANAVEX2-73, a Mixed Muscarinic and $\hat{1}f1$ Receptor Agonist, in a Nontransgenic Mouse Model of Alzheimer's Disease. Neuropsychopharmacology, 2013, 38, 1706-1723.	5.4	129
15	Neuro(active)steroids actions at the neuromodulatory sigma1 ( $\hat{1}f1$ ) receptor: Biochemical and physiological evidences, consequences in neuroprotection. Pharmacology Biochemistry and Behavior, 2006, 84, 581-597.	2.9	126
16	Neurodevelopmental damage after prenatal infection: Role of oxidative stress in the fetal brain. Free Radical Biology and Medicine, 2007, 42, 1231-1245.	2.9	125
17	Brain-derived neurotrophic factor and hypothalamic-pituitary-adrenal axis adaptation processes in a depressive-like state induced by chronic restraint stress. Molecular and Cellular Neurosciences, 2011, 46, 55-66.	2.2	124
18	In vitro aggregation facilitates $\hat{1}^2$ -amyloid peptide-(25-35)-induced amnesia in the rat. European Journal of Pharmacology, 1997, 319, 1-4.	3.5	121

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19	Dehydroepiandrosterone sulfate attenuates dizocilpine-induced learning impairment in mice via $\delta$ 1-receptors. <i>Behavioural Brain Research</i> , 1997, 83, 159-164.	2.2	119
20	PRE-084, a $\delta$ 1 selective PCP derivative, attenuates MK-801-induced impairment of learning in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1994, 49, 859-869.	2.9	115
21	Time-Course and Regional Analyses of the Physiopathological Changes Induced after Cerebral Injection of an Amyloid $\beta$ 2 Fragment in Rats. <i>American Journal of Pathology</i> , 2011, 179, 315-334.	3.8	115
22	Late $\alpha$ -acetylcysteine treatment prevents the deficits induced in the offspring of dams exposed to an immune stress during gestation. <i>Hippocampus</i> , 2008, 18, 602-609.	1.9	113
23	Anti-amnesic and neuroprotective potentials of the mixed muscarinic receptor/ $\sigma$ 1 ( $\delta$ 1) ligand ANAVEX2-73, a novel aminotetrahydrofuran derivative. <i>Journal of Psychopharmacology</i> , 2011, 25, 1101-1117.	4.0	110
24	Neuroactive steroids modulate HPA axis activity and cerebral brain-derived neurotrophic factor (BDNF) protein levels in adult male rats. <i>Psychoneuroendocrinology</i> , 2007, 32, 1062-1078.	2.7	109
25	Cerebellar defect and impaired motor coordination in mice lacking vimentin. <i>Glia</i> , 1999, 25, 33-43.	4.9	106
26	Involvement of the $\delta$ 1 receptor in the cocaine-induced conditioned place preference. <i>NeuroReport</i> , 2000, 11, 2885-2888.	1.2	106
27	The modulation by neurosteroids of the scopolamine-induced learning impairment in mice involves an interaction with $\sigma$ 1 ( $\delta$ 1) receptors. <i>Brain Research</i> , 1998, 799, 64-77.	2.2	104
28	Involvement of the $\sigma$ 1 Receptor in Cocaine-induced Conditioned Place Preference Possible Dependence on Dopamine Uptake Blockade. <i>Neuropsychopharmacology</i> , 2002, 26, 444-455.	5.4	103
29	Antiamnesic and Neuroprotective Effects of the Aminotetrahydrofuran Derivative ANAVEX1-41 Against Amyloid $\beta$ 25-35-Induced Toxicity in Mice. <i>Neuropsychopharmacology</i> , 2009, 34, 1552-1566.	5.4	101
30	Sex differences in learning deficits induced by prenatal stress in juvenile rats. <i>Behavioural Brain Research</i> , 2004, 150, 149-157.	2.2	98
31	Alzheimer's Disease Related Markers, Cellular Toxicity and Behavioral Deficits Induced Six Weeks after Oligomeric Amyloid- $\beta$ 2 Peptide Injection in Rats. <i>PLoS ONE</i> , 2013, 8, e53117.	2.5	96
32	Modulation by neurosteroids of the in vivo (+)-[3H]SKF-10,047 binding to $\delta$ 1 receptors in the mouse forebrain. <i>Journal of Neuroscience Research</i> , 1996, 46, 734-743.	2.9	95
33	Deregulation of hypothalamic-pituitary-adrenal axis functions in an Alzheimer's disease rat model. <i>Neurobiology of Aging</i> , 2013, 34, 1426-1439.	3.1	92
34	Involvement of the $\sigma$ 1 receptor in the modulation of dopaminergic transmission by amantadine. <i>European Journal of Neuroscience</i> , 2004, 19, 2212-2220.	2.6	91
35	Deficiency of G3BP1, the stress granules assembly factor, results in abnormal synaptic plasticity and calcium homeostasis in neurons. <i>Journal of Neurochemistry</i> , 2013, 125, 175-184.	3.9	88
36	SA4503, a novel cognitive enhancer with $\delta$ 1 receptor agonist properties, facilitates NMDA receptor-dependent learning in mice. <i>European Journal of Pharmacology</i> , 1997, 328, 9-18.	3.5	83

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37	Î <sub>1</sub> Receptor-Related Neuroactive Steroids Modulate Cocaine-Induced Reward. <i>Journal of Neuroscience</i> , 2003, 23, 3572-3576.	3.6	83
38	Fluvoxamine alleviates ER stress via induction of Sigma-1 receptor. <i>Cell Death and Disease</i> , 2014, 5, e1332-e1332.	6.3	78
39	Intranasal formulation of erythropoietin (EPO) showed potent protective activity against amyloid toxicity in the A <sup>25-35</sup> non-transgenic mouse model of Alzheimer's disease. <i>Journal of Psychopharmacology</i> , 2013, 27, 1044-1057.	4.0	75
40	Interaction with Î <sub>1</sub> Protein, but Not N-Methyl-D-aspartate Receptor, Is Involved in the Pharmacological Activity of Donepezil. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 606-614.	2.5	74
41	Differential Effects of Î <sub>1</sub> Receptor Blockade on Self-Administration and Conditioned Reinstatement Motivated by Cocaine vs Natural Reward. <i>Neuropsychopharmacology</i> , 2007, 32, 1967-1973.	5.4	68
42	Beneficial effects of sigma agonists on the age-related learning impairment in the senescence-accelerated mouse (SAM). <i>Brain Research</i> , 1996, 733, 219-230.	2.2	67
43	The sigma1 (Î <sub>1</sub> ) receptor activation is a key step for the reactivation of cocaine conditioned place preference by drug priming. <i>Psychopharmacology</i> , 2004, 175, 154-62.	3.1	67
44	Fenfluramine acts as a positive modulator of sigma-1 receptors. <i>Epilepsy and Behavior</i> , 2020, 105, 106989.	1.7	65
45	Sigma-1 Receptor Agonists Induce Oxidative Stress in Mitochondria and Enhance Complex I Activity in Physiological Condition but Protect Against Pathological Oxidative Stress. <i>Neurotoxicity Research</i> , 2019, 35, 1-18.	2.7	64
46	Mitochondrial protection by the mixed muscarinic/Î <sub>1</sub> ligand ANAVEX2-73, a tetrahydrofuran derivative, in A <sup>25-35</sup> peptide-injected mice, a nontransgenic Alzheimer's disease model. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 463.	3.7	62
47	Highly Selective Butyrylcholinesterase Inhibitors with Tunable Duration of Action by Chemical Modification of Transferable Carbamate Units Exhibit Pronounced Neuroprotective Effect in an Alzheimer's Disease Mouse Model. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9116-9140.	6.4	59
48	Involvement of the sigma1 receptor in the motivational effects of ethanol in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2003, 74, 869-876.	2.9	58
49	Reversion of A <sup>25-35</sup> -amyloid peptide-induced amnesia by NMDA receptor-associated glycine site agonists. <i>Brain Research</i> , 1996, 731, 249-253.	2.2	55
50	Protection by sigma-1 receptor agonists is synergic with donepezil, but not with memantine, in a mouse model of amyloid-induced memory impairments. <i>Behavioural Brain Research</i> , 2016, 296, 270-278.	2.2	55
51	Behavioural phenotyping of knockout mice for the sigma-1 (Î <sub>1</sub> ) chaperone protein revealed gender-related anxiety, depressive-like and memory alterations. <i>Journal of Psychopharmacology</i> , 2011, 25, 960-975.	4.0	54
52	Learning performances and vulnerability to amyloid toxicity in the butyrylcholinesterase knockout mouse. <i>Behavioural Brain Research</i> , 2016, 296, 351-360.	2.2	53
53	Combining two repurposed drugs as a promising approach for Alzheimer's disease therapy. <i>Scientific Reports</i> , 2015, 5, 7608.	3.3	52
54	An Intranasal Formulation of Erythropoietin (Neuro-EPO) Prevents Memory Deficits and Amyloid Toxicity in the APP <sup>Swe</sup> Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 231-248.	2.6	52

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55	Wolfram syndrome: MAMsâ€™™ connection?. <i>Cell Death and Disease</i> , 2018, 9, 364.	6.3	52
56	Modulation of steroidal levels by adrenalectomy/castration and inhibition of neurosteroid synthesis enzymes affect sigma1 receptor-mediated behaviour in mice. <i>European Journal of Neuroscience</i> , 1999, 11, 2385-2396.	2.6	50
57	The attenuation of learning impairments induced after exposure to CO or trimethyltin in mice by sigma (Ïƒ) receptor ligands involves both Ïƒ1 and Ïƒ2 sites. <i>British Journal of Pharmacology</i> , 1999, 127, 335-342.	5.4	50
58	Structure-Activity Relationships and Computational Investigations into the Development of Potent and Balanced Dual-Acting Butyrylcholinesterase Inhibitors and Human Cannabinoid Receptor 2 Ligands with Pro-Cognitive in Vivo Profiles. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1646-1663.	6.4	50
59	Pharmacological Interaction With the Sigma1 (Ïƒ1)-Receptor in the Acute Behavioral Effects of Antidepressants. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 279-292.	2.5	49
60	7-O-Esters of taxifolin with pronounced and overadditive effects in neuroprotection, anti-neuroinflammation, and amelioration of short-term memory impairment in vivo. <i>Redox Biology</i> , 2020, 29, 101378.	9.0	49
61	Behavioral evidence for a modulating role of Ïƒ ligands in memory processes. II. Reversion of carbon monoxide-induced amnesia. <i>Brain Research</i> , 1994, 647, 57-64.	2.2	48
62	Differential Interaction of Phencyclidine-Like Drugs with the Dopamine Uptake Complex In Vivo. <i>Journal of Neurochemistry</i> , 1991, 56, 553-559.	3.9	47
63	Differential involvement of the sigma<sub>1</sub> (Ïƒ<sub>1</sub>) receptor in the anti-amnesic effect of neuroactive steroids, as demonstrated using an <i>in vivo</i> antisense strategy in the mouse. <i>British Journal of Pharmacology</i> , 2001, 134, 1731-1741.	5.4	47
64	Mice knock out for the histone acetyltransferase p300/CREB binding protein-associated factor develop a resistance to amyloid toxicity. <i>Neuroscience</i> , 2010, 167, 850-863.	2.3	47
65	Leucettine L41, a DYRK1A-preferential DYRKs/CLKs inhibitor, prevents memory impairments and neurotoxicity induced by oligomeric A $\beta$ 25-35 peptide administration in mice. <i>European Neuropsychopharmacology</i> , 2015, 25, 2170-2182.	0.7	47
66	At the Crossing of ER Stress and MAMs: A Key Role of Sigma-1 Receptor?. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 699-718.	1.6	47
67	Neuropeptide Y and the Calcitonin Gene-related Peptide Attenuate Learning Impairments Induced by MK-801 via a Sigma Receptor-related mechanism. <i>European Journal of Neuroscience</i> , 1997, 9, 2142-2151.	2.6	46
68	Neuroprotective effects of donepezil against A $\beta$ 24-42-induced neuronal toxicity are mediated through not only enhancing PP2A activity but also regulating GSK-3 $\beta$ and nAChRs activity. <i>Journal of Neurochemistry</i> , 2013, 127, 562-574.	3.9	46
69	Improving Alzheimer's disease-related cognitive deficits with sigma1 receptor agonists. <i>Drug News and Perspectives</i> , 2002, 15, 617.	1.5	44
70	Preserved sigma1 (Ïƒ1) receptor expression and behavioral efficacy in the aged C57BL/6 mouse. <i>Neurobiology of Aging</i> , 2003, 24, 865-881.	3.1	43
71	Sigma-1 (Ïƒ1) Receptor in Memory and Neurodegenerative Diseases. <i>Handbook of Experimental Pharmacology</i> , 2017, 244, 81-108.	1.8	43
72	Defective tubulin detyrosination causes structural brain abnormalities with cognitive deficiency in humans and mice. <i>Human Molecular Genetics</i> , 2019, 28, 3391-3405.	2.9	43

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73	Attenuation by a sigma1 ( $\sigma_1$ ) receptor agonist of the learning and memory deficits induced by a prenatal restraint stress in juvenile rats. <i>British Journal of Pharmacology</i> , 2004, 142, 689-700.	5.4	42
74	Allosteric Modulators of Sigma-1 Receptor: A Review. <i>Frontiers in Pharmacology</i> , 2019, 10, 223.	3.5	41
75	Dextromethorphan attenuates trimethyltin-induced neurotoxicity via $\sigma_1$ receptor activation in rats. <i>Neurochemistry International</i> , 2007, 50, 791-799.	3.8	40
76	The anti-amnesic effects of sigma1 ( $\sigma_1$ ) receptor agonists confirmed by in vivo antisense strategy in the mouse. <i>Brain Research</i> , 2001, 898, 113-121.	2.2	39
77	The antidepressant-like effect induced by the sigma1 ( $\sigma_1$ ) receptor agonist igmesine involves modulation of intracellular calcium mobilization. <i>Psychopharmacology</i> , 2002, 163, 26-35.	3.1	39
78	Phosphatidylethanol Accumulation Promotes Intestinal Hyperplasia by Inducing ZONAB-Mediated Cell Density Increase in Response to Chronic Ethanol Exposure. <i>Molecular Cancer Research</i> , 2007, 5, 1147-1157.	3.4	39
79	Low dose of 1,3-di(2-tolyl)guanidine (DTG) attenuates MK-801-induced spatial working memory impairment in mice. <i>Psychopharmacology</i> , 1994, 114, 520-522.	3.1	38
80	Strain differences in $\sigma_1$ receptor-mediated behaviours are related to neurosteroid levels. <i>European Journal of Neuroscience</i> , 2002, 15, 1523-1534.	2.6	38
81	Increased Amyloid- $\beta^2$ Peptide-Induced Memory Deficits in Phospholipid Transfer Protein (PLTP) Gene Knockout Mice. <i>Neuropsychopharmacology</i> , 2013, 38, 817-825.	5.4	38
82	Bi-phasic dose response in the preclinical and clinical developments of sigma-1 receptor ligands for the treatment of neurodegenerative disorders. <i>Expert Opinion on Drug Discovery</i> , 2021, 16, 373-389.	5.0	38
83	The $[Ca^{2+}]_i$ increase induced in murine thymocytes by extracellular ATP does not involve ATP hydrolysis and is not related to phosphoinositide metabolism. <i>FEBS Letters</i> , 1989, 242, 391-396.	2.8	37
84	The effects of sigma ( $\sigma_1$ ) receptor-selective ligands on muscarinic receptor antagonist-induced cognitive deficits in mice. <i>British Journal of Pharmacology</i> , 2015, 172, 2519-2531.	5.4	37
85	Cognitive impairments in adult mice with constitutive inactivation of <i>RIP140</i> gene expression. <i>Genes, Brain and Behavior</i> , 2012, 11, 69-78.	2.2	36
86	Beneficial effect of the $\sigma_1$ receptor agonist PRE-084 against the spatial learning deficits in aged rats. <i>European Journal of Pharmacology</i> , 2001, 431, 223-227.	3.5	35
87	Enhanced antidepressant effect of sigma1 ( $\sigma_1$ ) receptor agonists in $A\beta_{25-35}$ -amyloid peptide-treated mice. <i>Behavioural Brain Research</i> , 2002, 134, 239-247.	2.2	35
88	Nitric Oxide and Oxidative Stress in the Brain of Rats Exposed In Utero to Cocaine. <i>Annals of the New York Academy of Sciences</i> , 2006, 1074, 632-642.	3.8	35
89	Antiamnesic and Neuroprotective Effects of Donepezil against Learning Impairments Induced in Mice by Exposure to Carbon Monoxide Gas. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1307-1319.	2.5	35
90	Dual-Acting Cholinesterase-Human Cannabinoid Receptor 2 Ligands Show Pronounced Neuroprotection In Vitro and Overadditive and Disease-Modifying Neuroprotective Effects In Vivo. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9078-9102.	6.4	35

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91	Novel multitarget-directed ligands targeting acetylcholinesterase and $\beta$ 1 receptors as lead compounds for treatment of Alzheimer's disease: Synthesis, evaluation, and structural characterization of their complexes with acetylcholinesterase. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 234-248.	5.5	35
92	Enhanced antidepressant efficacy of $\beta$ 1 receptor agonists in rats after chronic intracerebroventricular infusion of $\beta$ 2-amyloid-(1-40) protein. <i>European Journal of Pharmacology</i> , 2004, 486, 151-161.	3.5	34
93	Melatonin- and Ferulic Acid-Based HDAC6 Selective Inhibitors Exhibit Pronounced Immunomodulatory Effects <i>In Vitro</i> and Neuroprotective Effects in a Pharmacological Alzheimer's Disease Mouse Model. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3794-3812.	6.4	34
94	Memory impairments and oxidative stress in the hippocampus of in-utero cocaine-exposed rats. <i>NeuroReport</i> , 2005, 16, 1217-1221.	1.2	33
95	Alteration of working memory but not in anxiety or stress response in p300/CBP associated factor (PCAF) histone acetylase knockout mice bred on a C57BL/6 background. <i>Neuroscience Letters</i> , 2010, 475, 179-183.	2.1	33
96	The $\beta$ -secretase inhibitor 2-[(1R)-1-[(4-chlorophenyl)sulfonyl](2,5-difluorophenyl)amino]ethyl-5-fluorobenzenebutanoic acid (BMS-299897) alleviates $A\beta$ 1-42 seeding and short-term memory deficits in the $A\beta$ 25-35 mouse model of Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2013, 698, 193-199.	3.5	33
97	Neuroprotection in non-transgenic and transgenic mouse models of Alzheimer's disease by positive modulation of $\beta$ 1 receptors. <i>Pharmacological Research</i> , 2019, 144, 315-330.	7.1	33
98	The Ocular Anomalies in a Cystinosis Animal Model Mimic Disease Pathogenesis. <i>Pediatric Research</i> , 2007, 62, 156-162.	2.3	31
99	In Vivo Characterization of ARN14140, a Memantine/Galantamine-Based Multi-Target Compound for Alzheimer's Disease. <i>Scientific Reports</i> , 2016, 6, 33172.	3.3	31
100	Beneficial effects of the sigma1 receptor agonists igmesine and dehydroepiandrosterone against learning impairments in rats prenatally exposed to cocaine. <i>Neurotoxicology and Teratology</i> , 2004, 26, 783-797.	2.4	29
101	Role of $\beta$ 1 Receptors in Learning and Memory and Alzheimer's Disease-Type Dementia. <i>Advances in Experimental Medicine and Biology</i> , 2017, 964, 213-233.	1.6	29
102	Activation of the sigma-1 receptor chaperone alleviates symptoms of Wolfram syndrome in preclinical models. <i>Science Translational Medicine</i> , 2022, 14, eabh3763.	12.4	29
103	The three-panel runway maze adapted to <i>Microcebus murinus</i> reveals age-related differences in memory and perseverance performances. <i>Neurobiology of Learning and Memory</i> , 2010, 94, 100-106.	1.9	28
104	Differential effect of dehydroepiandrosterone and its steroid precursor pregnenolone against the behavioural deficits in CO-exposed mice. <i>European Journal of Pharmacology</i> , 2000, 390, 145-155.	3.5	26
105	Sigma-1 receptor chaperones rescue nucleocytoplasmic transport deficit seen in cellular and <i>Drosophila</i> ALS/FTD models. <i>Nature Communications</i> , 2020, 11, 5580.	12.8	26
106	Selective Pseudo-irreversible Butyrylcholinesterase Inhibitors Transferring Antioxidant Moieties to the Enzyme Show Pronounced Neuroprotective Efficacy <i>In Vitro</i> and <i>In Vivo</i> in an Alzheimer's Disease Mouse Model. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9302-9320.	6.4	26
107	Amyloid toxicity is enhanced after pharmacological or genetic invalidation of the $\beta$ 1 receptor. <i>Behavioural Brain Research</i> , 2018, 339, 1-10.	2.2	25
108	Restoring glutamate receptorsome dynamics at synapses rescues autism-like deficits in Shank3-deficient mice. <i>Molecular Psychiatry</i> , 2021, 26, 7596-7609.	7.9	25

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109	Evidence for sigma-1-like receptors in isolated rat liver mitochondrial membranes. <i>British Journal of Pharmacology</i> , 2002, 135, 1607-1615.	5.4	24
110	Drug discovery: phosphinolactone, in vivo bioisostere of the lactol group. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1438.	2.8	24
111	Age-related expression of $\sigma_1$ receptors and antidepressant efficacy of a selective agonist in the senescence-accelerated (SAM) mouse. <i>Journal of Neuroscience Research</i> , 2005, 79, 561-572.	2.9	23
112	Compensatory effect by sigma1 ( $\sigma_1$ ) receptor stimulation during alcohol withdrawal in mice performing an object recognition task. <i>Behavioural Brain Research</i> , 2006, 166, 166-176.	2.2	23
113	Sigma-1 receptor is a key genetic modulator in amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2020, 29, 529-540.	2.9	23
114	Sterubin: Enantioresolution and Configurational Stability, Enantiomeric Purity in Nature, and Neuroprotective Activity in Vitro and in Vivo. <i>Chemistry - A European Journal</i> , 2020, 26, 7299-7308.	3.3	23
115	Nucleoporin POM121 signals TFEB-mediated autophagy via activation of SIGMAR1/sigma-1 receptor chaperone by pridopidine. <i>Autophagy</i> , 2023, 19, 126-151.	9.1	23
116	The antidepressant-like effects of the $3\beta$ -hydroxysteroid dehydrogenase inhibitor trilostane in mice is related to changes in neuroactive steroid and monoamine levels. <i>Neuropharmacology</i> , 2012, 62, 492-502.	4.1	22
117	Photoswitchable Pseudoirreversible Butyrylcholinesterase Inhibitors Allow Optical Control of Inhibition <i>in Vitro</i> and Enable Restoration of Cognition in an Alzheimer's Disease Mouse Model upon Irradiation. <i>Journal of the American Chemical Society</i> , 2022, 144, 3279-3284.	13.7	22
118	Neuroactive Neurosteroids as Endogenous Effectors for the Sigma1 ( $\sigma_1$ ) Receptor: Pharmacological Evidence and Therapeutic Opportunities. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 125-154.	1.2	21
119	$\sigma_1$ Receptor Ligands and Related Neuroactive Steroids Interfere with the Cocaine-Induced State of Memory. <i>Neuropsychopharmacology</i> , 2006, 31, 1431-1443.	5.4	21
120	The $3\beta$ -hydroxysteroid dehydrogenase inhibitor trilostane shows antidepressant properties in mice. <i>Psychoneuroendocrinology</i> , 2009, 34, 644-659.	2.7	21
121	Lack of synaptic vesicle protein SV2B protects against amyloid- $\beta_{25-35}$ -induced oxidative stress, cholinergic deficit and cognitive impairment in mice. <i>Behavioural Brain Research</i> , 2014, 271, 277-285.	2.2	21
122	In vivo labelling of the mouse dopamine uptake complex with the phencyclidine derivative [3H]BTCP. <i>Neuroscience Letters</i> , 1989, 101, 234-238.	2.1	19
123	Cystine accumulation in the CNS results in severe age-related memory deficits. <i>Neurobiology of Aging</i> , 2009, 30, 987-1000.	3.1	19
124	Involvement of Endogenous Brain-Derived Neurotrophic Factor in Hypothalamic-Pituitary-Adrenal Axis Activity. <i>Journal of Neuroendocrinology</i> , 2015, 27, 850-860.	2.6	18
125	Neuroprotection by the synthetic neurosteroid enantiomers ent-PREGS and ent-DHEAS against $\text{A}\beta_{25-35}$ peptide-induced toxicity in vitro and in vivo in mice. <i>Psychopharmacology</i> , 2014, 231, 3293-3312.	3.1	17
126	Improvement of BDNF signalling by P42 peptide in Huntington's disease. <i>Human Molecular Genetics</i> , 2018, 27, 3012-3028.	2.9	16

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127	Neuroprotective brain-derived neurotrophic factor signaling in the TAU-P301L tauopathy zebrafish model. <i>Pharmacological Research</i> , 2020, 158, 104865.	7.1	16
128	Use of Zebrafish Models to Boost Research in Rare Genetic Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13356.	4.1	15
129	Sigma-1 ( $\sigma_1$ ) receptor activity is necessary for physiological brain plasticity in mice. <i>European Neuropsychopharmacology</i> , 2020, 39, 29-45.	0.7	14
130	Masculinised Behaviour of XY Females in a Mammal with Naturally Occurring Sex Reversal. <i>Scientific Reports</i> , 2016, 6, 22881.	3.3	13
131	Topographical memory analyzed in mice using the Hamlet test, a novel complex maze. <i>Neurobiology of Learning and Memory</i> , 2018, 149, 118-134.	1.9	12
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