

Daniela Puzzo

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54
papers

3,516
citations

30
h-index

59
g-index

64
ext. papers

4,115
ext. citations

6.4
avg, IF

5.02
L-index

#	Paper	IF	Citations
54	Picomolar amyloid-beta positively modulates synaptic plasticity and memory in hippocampus. <i>Journal of Neuroscience</i> , 2008 , 28, 14537-45	6.6	533
53	RAGE potentiates Abeta-induced perturbation of neuronal function in transgenic mice. <i>EMBO Journal</i> , 2004 , 23, 4096-105	13	274
52	Phosphodiesterase 5 inhibition improves synaptic function, memory, and amyloid-beta load in an Alzheimer's disease mouse model. <i>Journal of Neuroscience</i> , 2009 , 29, 8075-86	6.6	242
51	Endogenous amyloid- β s necessary for hippocampal synaptic plasticity and memory. <i>Annals of Neurology</i> , 2011 , 69, 819-30	9.4	200
50	Amyloid-beta peptide inhibits activation of the nitric oxide/cGMP/cAMP-responsive element-binding protein pathway during hippocampal synaptic plasticity. <i>Journal of Neuroscience</i> , 2005 , 25, 6887-97	6.6	196
49	Extracellular Tau Oligomers Produce An Immediate Impairment of LTP and Memory. <i>Scientific Reports</i> , 2016 , 6, 19393	4.9	155
48	A GluR1-cGKII interaction regulates AMPA receptor trafficking. <i>Neuron</i> , 2007 , 56, 670-88	13.9	151
47	Rodent models for Alzheimer's disease drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2015 , 10, 703-11	11.2	129
46	Behavioral assays with mouse models of Alzheimer's disease: practical considerations and guidelines. <i>Biochemical Pharmacology</i> , 2014 , 88, 450-67	6	119
45	Synaptic therapy in Alzheimer's disease: a CREB-centric approach. <i>Neurotherapeutics</i> , 2015 , 12, 29-41	6.4	89
44	LTP and memory impairment caused by extracellular A β and Tau oligomers is APP-dependent. <i>ELife</i> , 2017 , 6,	8.9	81
43	The keystone of Alzheimer pathogenesis might be sought in A β physiology. <i>Neuroscience</i> , 2015 , 307, 26-36	3.9	80
42	Amyloid- β peptide: Dr. Jekyll or Mr. Hyde?. <i>Journal of Alzheimer's Disease</i> , 2013 , 33 Suppl 1, S111-20	4.3	78
41	Intracellular accumulation of amyloid- β protein plays a major role in A β -induced alterations of glutamatergic synaptic transmission and plasticity. <i>Journal of Neuroscience</i> , 2014 , 34, 12893-903	6.6	76
40	A key role for TGF- β in hippocampal synaptic plasticity and memory. <i>Scientific Reports</i> , 2015 , 5, 11252	4.9	75
39	Hormetic effect of amyloid- β peptide in synaptic plasticity and memory. <i>Neurobiology of Aging</i> , 2012 , 33, 1484.e15-24	5.6	71
38	Role of phosphodiesterase 5 in synaptic plasticity and memory. <i>Neuropsychiatric Disease and Treatment</i> , 2008 , 4, 371-87	3.1	68

37	Improved long-term memory via enhancing cGMP-PKG signaling requires cAMP-PKA signaling. <i>Neuropsychopharmacology</i> , 2014 , 39, 2497-505	8.7	66
36	Effect of phosphodiesterase-5 inhibition on apoptosis and beta amyloid load in aged mice. <i>Neurobiology of Aging</i> , 2014 , 35, 520-31	5.6	66
35	Inhibition of phosphodiesterase-5 rescues age-related impairment of synaptic plasticity and memory. <i>Behavioural Brain Research</i> , 2013 , 240, 11-20	3.4	48
34	Role of Amyloid- β and Tau Proteins in Alzheimer's Disease: Confuting the Amyloid Cascade. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, S611-S631	4.3	45
33	Neuromodulatory Action of Picomolar Extracellular A β 2 Oligomers on Presynaptic and Postsynaptic Mechanisms Underlying Synaptic Function and Memory. <i>Journal of Neuroscience</i> , 2019 , 39, 5986-6000	6.6	43
32	Involvement of the nitric oxide pathway in synaptic dysfunction following amyloid elevation in Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2006 , 17, 497-523	4.7	42
31	Neutralization of TNFSF10 ameliorates functional outcome in a murine model of Alzheimer's disease. <i>Brain</i> , 2015 , 138, 203-16	11.2	41
30	Amyloid- β Peptide Is Needed for cGMP-Induced Long-Term Potentiation and Memory. <i>Journal of Neuroscience</i> , 2017 , 37, 6926-6937	6.6	38
29	F3/Contactin promotes hippocampal neurogenesis, synaptic plasticity, and memory in adult mice. <i>Hippocampus</i> , 2013 , 23, 1367-82	3.5	37
28	Time-dependent reversal of synaptic plasticity induced by physiological concentrations of oligomeric A β 2: an early index of Alzheimer's disease. <i>Scientific Reports</i> , 2016 , 6, 32553	4.9	35
27	Fluoxetine and Vortioxetine Reverse Depressive-Like Phenotype and Memory Deficits Induced by A β Oligomers in Mice: A Key Role of Transforming Growth Factor- β . <i>Frontiers in Pharmacology</i> , 2019 , 10, 693	5.6	33
26	The effect of amyloid- β peptide on synaptic plasticity and memory is influenced by different isoforms, concentrations, and aggregation status. <i>Neurobiology of Aging</i> , 2018 , 71, 51-60	5.6	32
25	The role of Gpi-anchored axonal glycoproteins in neural development and neurological disorders. <i>Molecular and Cellular Neurosciences</i> , 2017 , 81, 49-63	4.8	32
24	Object memory enhancement by combining sub-efficacious doses of specific phosphodiesterase inhibitors. <i>Neuropharmacology</i> , 2015 , 95, 361-6	5.5	30
23	Synaptic and memory dysfunction induced by tau oligomers is rescued by up-regulation of the nitric oxide cascade. <i>Molecular Neurodegeneration</i> , 2019 , 14, 26	19	25
22	Salidroside, a Bioactive Compound of Rhodiola Rosea, Ameliorates Memory and Emotional Behavior in Adult Mice. <i>Journal of Alzheimer's Disease</i> , 2016 , 52, 65-75	4.3	23
21	Fibrillar beta-amyloid impairs the late phase of long term potentiation. <i>Current Alzheimer Research</i> , 2006 , 3, 179-83	3	22
20	The antineoplastic drug flavopiridol reverses memory impairment induced by Amyloid- β 42 oligomers in mice. <i>Pharmacological Research</i> , 2016 , 106, 10-20	10.2	21

19	A novel mechanism for cyclic adenosine monophosphate-mediated memory formation: Role of amyloid beta. <i>Annals of Neurology</i> , 2014 , 75, 602-7	9.4	21
18	Role of F3/contactin expression profile in synaptic plasticity and memory in aged mice. <i>Neurobiology of Aging</i> , 2015 , 36, 1702-1715	5.6	20
17	Sub-efficacious doses of phosphodiesterase 4 and 5 inhibitors improve memory in a mouse model of Alzheimer's disease. <i>Neuropharmacology</i> , 2018 , 138, 151-159	5.5	19
16	Activation of Serotonin 5-HT Receptors Modulates Hippocampal Synaptic Plasticity by Stimulation of Adenylate Cyclases and Rescues Learning and Behavior in a Mouse Model of Fragile X Syndrome. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 353	6.1	19
15	Role of cyclic nucleotide-gated channels in the modulation of mouse hippocampal neurogenesis. <i>PLoS ONE</i> , 2013 , 8, e73246	3.7	16
14	Antagonizing α 7 nicotinic receptors with methyllycaconitine (MLA) potentiates receptor activity and memory acquisition. <i>Cellular Signalling</i> , 2019 , 62, 109338	4.9	14
13	Tau is not necessary for amyloid- β -induced synaptic and memory impairments. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4831-4844	15.9	14
12	Cortical silent period prolongation in spinocerebellar ataxia type 2 (SCA2). <i>Functional Neurology</i> , 2004 , 19, 37-41	2.2	14
11	Cell cultures from animal models of Alzheimer's disease as a tool for faster screening and testing of drug efficacy. <i>Journal of Molecular Neuroscience</i> , 2004 , 24, 15-21	3.3	13
10	A novel arousal-based individual screening reveals susceptibility and resilience to PTSD-like phenotypes in mice. <i>Neurobiology of Stress</i> , 2021 , 14, 100286	7.6	11
9	Role of the adhesion molecule F3/Contactin in synaptic plasticity and memory. <i>Molecular and Cellular Neurosciences</i> , 2017 , 81, 64-71	4.8	10
8	CL316,243, a β -adrenergic receptor agonist, induces muscle hypertrophy and increased strength. <i>Scientific Reports</i> , 2016 , 5, 37504	4.9	10
7	Dopaminergic-GABAergic interplay and alcohol binge drinking. <i>Pharmacological Research</i> , 2019 , 141, 384-391	10.2	7
6	Physiological and pathological processes of synaptic plasticity and memory in drug discovery: Do not forget the dose-response curve. <i>European Journal of Pharmacology</i> , 2017 , 817, 59-70	5.3	6
5	Molecular Mechanisms of Learning and Memory 2016 , 1-27		4
4	Antioxidant Activity of Fluoxetine and Vortioxetine in a Non-Transgenic Animal Model of Alzheimer's Disease.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 809541	5.6	4
3	Genetic deletion of α 7 nicotinic acetylcholine receptors induces an age-dependent Alzheimer's disease-like pathology. <i>Progress in Neurobiology</i> , 2021 , 206, 102154	10.9	4
2	A role for cGMP-dependent protein kinase II in AMPA receptor trafficking and synaptic plasticity. <i>BMC Pharmacology</i> , 2009 , 9, S44		1

- 1 Conceptual and Methodological Pitfalls in Experimental Studies: An Overview, and the Case of Alzheimer's Disease. *Frontiers in Molecular Neuroscience*, **2021**, 14, 684977

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