

Daniela Puzzo

List of Publications by Year in descending order

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57
papers

4,592
citations

126907
33
h-index

138484
58
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64
all docs

64
docs citations

64
times ranked

6125
citing authors

#	ARTICLE	IF	CITATIONS
1	Picomolar Amyloid- β^2 Positively Modulates Synaptic Plasticity and Memory in Hippocampus. Journal of Neuroscience, 2008, 28, 14537-14545.	3.6	627
2	RAGE potentiates $A\beta^2$ -induced perturbation of neuronal function in transgenic mice. EMBO Journal, 2004, 23, 4096-4105.	7.8	311
3	Phosphodiesterase 5 Inhibition Improves Synaptic Function, Memory, and Amyloid- β Load in an Alzheimer's Disease Mouse Model. Journal of Neuroscience, 2009, 29, 8075-8086.	3.6	275
4	Endogenous amyloid- β^2 is necessary for hippocampal synaptic plasticity and memory. Annals of Neurology, 2011, 69, 819-830.	5.3	248
5	Amyloid- β Peptide Inhibits Activation of the Nitric Oxide/cGMP/cAMP-Responsive Element-Binding Protein Pathway during Hippocampal Synaptic Plasticity. Journal of Neuroscience, 2005, 25, 6887-6897.	3.6	220
6	Extracellular Tau Oligomers Produce An Immediate Impairment of LTP and Memory. Scientific Reports, 2016, 6, 19393.	3.3	212
7	Rodent models for Alzheimer's disease drug discovery. Expert Opinion on Drug Discovery, 2015, 10, 703-711.	5.0	170
8	A GluR1-cGKII Interaction Regulates AMPA Receptor Trafficking. Neuron, 2007, 56, 670-688.	8.1	166
9	Behavioral assays with mouse models of Alzheimer's disease: Practical considerations and guidelines. Biochemical Pharmacology, 2014, 88, 450-467.	4.4	151
10	LTP and memory impairment caused by extracellular $A\beta^2$ and Tau oligomers is APP-dependent. ELife, 2017, 6, .	6.0	121
11	Synaptic Therapy in Alzheimer's Disease: A CREB-centric Approach. Neurotherapeutics, 2015, 12, 29-41.	4.4	117
12	A key role for TGF- β^2 1 in hippocampal synaptic plasticity and memory. Scientific Reports, 2015, 5, 11252.	3.3	106
13	Role of Amyloid- β^2 and Tau Proteins in Alzheimer's Disease: Confuting the Amyloid Cascade. Journal of Alzheimer's Disease, 2018, 64, S611-S631.	2.6	102
14	Intracellular Accumulation of Amyloid- β (A β) Protein Plays a Major Role in A β -Induced Alterations of Glutamatergic Synaptic Transmission and Plasticity. Journal of Neuroscience, 2014, 34, 12893-12903.	3.6	101
15	The keystone of Alzheimer pathogenesis might be sought in $A\beta^2$ physiology. Neuroscience, 2015, 307, 26-36.	2.3	98
16	Amyloid- β^2 Peptide: Dr. Jekyll or Mr. Hyde?. Journal of Alzheimer's Disease, 2012, 33, S111-S120.	2.6	91
17	Improved Long-Term Memory via Enhancing cGMP-PKG Signaling Requires cAMP-PKA Signaling. Neuropsychopharmacology, 2014, 39, 2497-2505.	5.4	90
18	Hormetic effect of amyloid-beta peptide in synaptic plasticity and memory. Neurobiology of Aging, 2012, 33, 1484.e15-1484.e24.	3.1	85

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19	Role of phosphodiesterase 5 in synaptic plasticity and memory. <i>Neuropsychiatric Disease and Treatment</i> , 2008, 4, 371.	2.2	80
20	Effect of phosphodiesterase-5 inhibition on apoptosis and beta amyloid load in aged mice. <i>Neurobiology of Aging</i> , 2014, 35, 520-531.	3.1	75
21	Neuromodulatory Action of Picomolar Extracellular A β 42 Oligomers on Presynaptic and Postsynaptic Mechanisms Underlying Synaptic Function and Memory. <i>Journal of Neuroscience</i> , 2019, 39, 5986-6000.	3.6	71
22	Neutralization of TNFSF10 ameliorates functional outcome in a murine model of Alzheimer's disease. <i>Brain</i> , 2015, 138, 203-216.	7.6	62
23	Inhibition of phosphodiesterase-5 rescues age-related impairment of synaptic plasticity and memory. <i>Behavioural Brain Research</i> , 2013, 240, 11-20.	2.2	61
24	Fluoxetine and Vortioxetine Reverse Depressive-Like Phenotype and Memory Deficits Induced by A β 1-42 Oligomers in Mice: A Key Role of Transforming Growth Factor- β 1. <i>Frontiers in Pharmacology</i> , 2019, 10, 693.	3.5	60
25	Amyloid- β Peptide Is Needed for cGMP-Induced Long-Term Potentiation and Memory. <i>Journal of Neuroscience</i> , 2017, 37, 6926-6937.	3.6	59
26	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.	10.8	59
27	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.	3.1	55
28	Time-dependent reversal of synaptic plasticity induced by physiological concentrations of oligomeric A β 42: an early index of Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 32553.	3.3	54
29	The role of Gpi-anchored axonal glycoproteins in neural development and neurological disorders. <i>Molecular and Cellular Neurosciences</i> , 2017, 81, 49-63.	2.2	52
30	F3/Contactin promotes hippocampal neurogenesis, synaptic plasticity, and memory in adult mice. <i>Hippocampus</i> , 2013, 23, 1367-1382.	1.9	48
31	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.	2.9	46
32	A novel arousal-based individual screening reveals susceptibility and resilience to PTSD-like phenotypes in mice. <i>Neurobiology of Stress</i> , 2021, 14, 100286.	4.0	42
33	Object memory enhancement by combining sub-efficacious doses of α -specific phosphodiesterase inhibitors. <i>Neuropharmacology</i> , 2015, 95, 361-366.	4.1	35
34	Tau is not necessary for amyloid- β -induced synaptic and memory impairments. <i>Journal of Clinical Investigation</i> , 2020, 130, 4831-4844.	8.2	34
35	A novel mechanism for cyclic adenosine monophosphate-mediated memory formation: Role of amyloid beta. <i>Annals of Neurology</i> , 2014, 75, 602-607.	5.3	32
36	The antineoplastic drug flavopiridol reverses memory impairment induced by Amyloid- β 1-42 oligomers in mice. <i>Pharmacological Research</i> , 2016, 106, 10-20.	7.1	32

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37	Activation of Serotonin 5-HT ₇ 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.	2.9	32
38	Salidroside, a Bioactive Compound of <i>Rhodiola Rosea</i> , Ameliorates Memory and Emotional Behavior in Adult Mice. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 65-75.	2.6	31
39	Role of F3/contactin expression profile in synaptic plasticity and memory in aged mice. <i>Neurobiology of Aging</i> , 2015, 36, 1702-1715.	3.1	27
40	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.	4.1	27
41	Fibrillar A β -Amyloid Impairs the Late Phase of Long Term Potentiation. <i>Current Alzheimer Research</i> , 2006, 3, 179-183.	1.4	22
42	Antioxidant Activity of Fluoxetine and Vortioxetine in a Non-Transgenic Animal Model of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 809541.	3.5	22
43	Antagonizing α 7 nicotinic receptors with methyllycaconitine (MLA) potentiates receptor activity and memory acquisition. <i>Cellular Signalling</i> , 2019, 62, 109338.	3.6	21
44	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.	5.7	21
45	Role of Cyclic Nucleotide-Gated Channels in the Modulation of Mouse Hippocampal Neurogenesis. <i>PLoS ONE</i> , 2013, 8, e73246.	2.5	20
46	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, 015-022.	2.3	18
47	Dopaminergic-GABAergic interplay and alcohol binge drinking. <i>Pharmacological Research</i> , 2019, 141, 384-391.	7.1	18
48	CL316,243, a β 3-adrenergic receptor agonist, induces muscle hypertrophy and increased strength. <i>Scientific Reports</i> , 2016, 6, 37504.	3.3	16
49	Role of the adhesion molecule F3/Contactin in synaptic plasticity and memory. <i>Molecular and Cellular Neurosciences</i> , 2017, 81, 64-71.	2.2	15
50	Cortical silent period prolongation in spinocerebellar ataxia type 2 (SCA2). <i>Functional Neurology</i> , 2004, 19, 37-41.	1.3	15
51	Molecular Mechanisms of Learning and Memory**The authors declare no competing financial interests.., 2016, , 1-27.		7
52	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.	3.5	6
53	A β 2 oligomers: role at the synapse. <i>Aging</i> , 2019, 11, 1077-1078.	3.1	5
54	Conceptual and Methodological Pitfalls in Experimental Studies: An Overview, and the Case of Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 684977.	2.9	3

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55	Editorial: Beta Amyloid: From Physiology to Pathogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 876224.	2.9	2
56	A role for cGMP-dependent protein kinase II in AMPA receptor trafficking and synaptic plasticity. <i>BMC Pharmacology</i> , 2009, 9, S44.	0.4	1
57	Innate Preferences Affect Results of Object Recognition Task in Wild Type and Alzheimer's Disease Mouse Models. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1343-1356.	2.6	1