

# Salvatore Oddo

## List of Publications by Citations

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98  
papers

20,991  
citations

63  
h-index

105  
g-index

105  
ext. papers

23,556  
ext. citations

7.4  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
98	Triple-transgenic model of Alzheimer's disease with plaques and tangles: intracellular Abeta and synaptic dysfunction. <i>Neuron</i> , <b>2003</b> , 39, 409-21	13.9	3031
97	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	14.2	2783
96	Intracellular amyloid-beta in Alzheimer's disease. <i>Nature Reviews Neuroscience</i> , <b>2007</b> , 8, 499-509	13.5	1474
95	Intraneuronal Abeta causes the onset of early Alzheimer's disease-related cognitive deficits in transgenic mice. <i>Neuron</i> , <b>2005</b> , 45, 675-88	13.9	1007
94	Amyloid deposition precedes tangle formation in a triple transgenic model of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2003</b> , 24, 1063-70	5.6	736
93	Abeta immunotherapy leads to clearance of early, but not late, hyperphosphorylated tau aggregates via the proteasome. <i>Neuron</i> , <b>2004</b> , 43, 321-32	13.9	670
92	Molecular interplay between mammalian target of rapamycin (mTOR), amyloid-beta, and Tau: effects on cognitive impairments. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 13107-20	5.4	625
91	Lipopolysaccharide-induced inflammation exacerbates tau pathology by a cyclin-dependent kinase 5-mediated pathway in a transgenic model of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 8843-53	6.6	514
90	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
89	M1 receptors play a central role in modulating AD-like pathology in transgenic mice. <i>Neuron</i> , <b>2006</b> , 49, 671-82	13.9	348
88	Caspase-cleavage of tau is an early event in Alzheimer disease tangle pathology. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 121-130	15.9	332
87	Alzheimer's disease: Abeta, tau and synaptic dysfunction. <i>Trends in Molecular Medicine</i> , <b>2005</b> , 11, 170-6	11.5	331
86	Temporal profile of amyloid-beta (Abeta) oligomerization in an in vivo model of Alzheimer disease. A link between Abeta and tau pathology. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 1599-604	5.4	303
85	Inducing autophagy by rapamycin before, but not after, the formation of plaques and tangles ameliorates cognitive deficits. <i>PLoS ONE</i> , <b>2011</b> , 6, e25416	3.7	287
84	Age- and region-dependent alterations in Abeta-degrading enzymes: implications for Abeta-induced disorders. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 645-54	5.6	269
83	Enhanced ryanodine receptor recruitment contributes to Ca <sup>2+</sup> disruptions in young, adult, and aged Alzheimer's disease mice. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 5180-9	6.6	261
82	Impaired adult neurogenesis in the dentate gyrus of a triple transgenic mouse model of Alzheimer's disease. <i>PLoS ONE</i> , <b>2008</b> , 3, e2935	3.7	260

81	Progesterone and estrogen regulate Alzheimer-like neuropathology in female 3xTg-AD mice. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 13357-65	6.6	243
80	mTOR regulates tau phosphorylation and degradation: implications for Alzheimer's disease and other tauopathies. <i>Aging Cell</i> , <b>2013</b> , 12, 370-80	9.9	242
79	Caspase-cleavage of tau is an early event in Alzheimer disease tangle pathology. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 121-30	15.9	231
78	Reduction of soluble Abeta and tau, but not soluble Abeta alone, ameliorates cognitive decline in transgenic mice with plaques and tangles. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 39413-23	5.4	227
77	Age-dependent sexual dimorphism in cognition and stress response in the 3xTg-AD mice. <i>Neurobiology of Disease</i> , <b>2007</b> , 28, 76-82	7.5	208
76	Inhibition of soluble TNF signaling in a mouse model of Alzheimer's disease prevents pre-plaque amyloid-associated neuropathology. <i>Neurobiology of Disease</i> , <b>2009</b> , 34, 163-77	7.5	204
75	CBP gene transfer increases BDNF levels and ameliorates learning and memory deficits in a mouse model of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 22687-92	11.5	191
74	A dynamic relationship between intracellular and extracellular pools of Abeta. <i>American Journal of Pathology</i> , <b>2006</b> , 168, 184-94	5.8	189
73	The ubiquitin-proteasome system in Alzheimer's disease. <i>Journal of Cellular and Molecular Medicine</i> , <b>2008</b> , 12, 363-73	5.6	178
72	Modeling behavioral and neuronal symptoms of Alzheimer's disease in mice: a role for intraneuronal amyloid. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2007</b> , 31, 125-47	9	175
71	Necroptosis activation in Alzheimer's disease. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1236-1246	25.5	173
70	Early correlation of microglial activation with enhanced tumor necrosis factor-alpha and monocyte chemoattractant protein-1 expression specifically within the entorhinal cortex of triple transgenic Alzheimer's disease mice. <i>Journal of Neuroinflammation</i> , <b>2005</b> , 2, 23	10.1	173
69	Ibuprofen reduces Abeta, hyperphosphorylated tau and memory deficits in Alzheimer mice. <i>Brain Research</i> , <b>2008</b> , 1207, 225-36	3.7	171
68	Chronic neuron-specific tumor necrosis factor-alpha expression enhances the local inflammatory environment ultimately leading to neuronal death in 3xTg-AD mice. <i>American Journal of Pathology</i> , <b>2008</b> , 173, 1768-82	5.8	167
67	Congo red and thioflavin-T analogs detect Abeta oligomers. <i>Journal of Neurochemistry</i> , <b>2008</b> , 104, 457-68		165
66	Lithium reduces tau phosphorylation but not A beta or working memory deficits in a transgenic model with both plaques and tangles. <i>American Journal of Pathology</i> , <b>2007</b> , 170, 1669-75	5.8	163
65	Diffusion of docosahexaenoic and eicosapentaenoic acids through the blood-brain barrier: An in situ cerebral perfusion study. <i>Neurochemistry International</i> , <b>2009</b> , 55, 476-82	4.4	157
64	Lifelong rapamycin administration ameliorates age-dependent cognitive deficits by reducing IL-1 $\beta$ and enhancing NMDA signaling. <i>Aging Cell</i> , <b>2012</b> , 11, 326-35	9.9	155

63	Chronic nicotine administration exacerbates tau pathology in a transgenic model of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 3046-51	11.5	155
62	Methylene blue reduces $\alpha$ levels and rescues early cognitive deficit by increasing proteasome activity. <i>Brain Pathology</i> , <b>2011</b> , 21, 140-9	6	143
61	ACAT1 gene ablation increases 24(S)-hydroxycholesterol content in the brain and ameliorates amyloid pathology in mice with AD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 3081-6	11.5	140
60	Collapsin response mediator protein-2 hyperphosphorylation is an early event in Alzheimer's disease progression. <i>Journal of Neurochemistry</i> , <b>2007</b> , 103, 1132-44	6	136
59	The role of mTOR signaling in Alzheimer disease. <i>Frontiers in Bioscience - Scholar</i> , <b>2012</b> , 4, 941-52	2.4	131
58	Genetic reduction of mammalian target of rapamycin ameliorates Alzheimer's disease-like cognitive and pathological deficits by restoring hippocampal gene expression signature. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 7988-98	6.6	130
57	Enhanced caffeine-induced $Ca^{2+}$ release in the 3xTg-AD mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2005</b> , 94, 1711-8	6	129
56	Androgens regulate the development of neuropathology in a triple transgenic mouse model of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 13384-9	6.6	125
55	Neural stem cells improve memory in an inducible mouse model of neuronal loss. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 11925-33	6.6	125
54	Increased intraneuronal resting $[Ca^{2+}]$ in adult Alzheimer's disease mice. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 262-71	6	122
53	Naturally secreted amyloid-beta increases mammalian target of rapamycin (mTOR) activity via a PRAS40-mediated mechanism. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 8924-32	5.4	119
52	Rapamycin rescues TDP-43 mislocalization and the associated low molecular mass neurofilament instability. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 27416-24	5.4	118
51	Autophagic/lysosomal dysfunction in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , <b>2013</b> , 5, 53	9	116
50	Blocking Abeta42 accumulation delays the onset and progression of tau pathology via the C terminus of heat shock protein70-interacting protein: a mechanistic link between Abeta and tau pathology. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 12163-75	6.6	110
49	The role of nicotinic acetylcholine receptors in Alzheimer's disease. <i>Journal of Physiology (Paris)</i> , <b>2006</b> , 99, 172-9		100
48	Inclusion body myositis-like phenotype induced by transgenic overexpression of beta APP in skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 6334-9	11.5	91
47	Enhanced ryanodine-mediated calcium release in mutant PS1-expressing Alzheimer's mouse models. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1097, 265-77	6.5	90
46	Temporal and regional progression of Alzheimer's disease-like pathology in 3xTg-AD mice. <i>Aging Cell</i> , <b>2019</b> , 18, e12873	9.9	87

45	How longevity research can lead to therapies for Alzheimer's disease: The rapamycin story. <i>Experimental Gerontology</i> , <b>2015</b> , 68, 51-8	4.5	81
44	Reduction of the cerebrovascular volume in a transgenic mouse model of Alzheimer's disease. <i>Neuropharmacology</i> , <b>2009</b> , 56, 808-13	5.5	78
43	p62 improves AD-like pathology by increasing autophagy. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 865-873	15.1	74
42	Enhanced neuronal excitability in the absence of neurodegeneration induces cerebellar ataxia. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 582-590	15.9	70
41	Reducing Ribosomal Protein S6 Kinase 1 Expression Improves Spatial Memory and Synaptic Plasticity in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 14042-56	6.6	69
40	Peripherally expressed neprilysin reduces brain amyloid burden: a novel approach for treating Alzheimer's disease. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 1462-73	4.4	67
39	Genetically augmenting tau levels does not modulate the onset or progression of Aβ pathology in transgenic mice. <i>Journal of Neurochemistry</i> , <b>2007</b> , 102, 1053-63	6	67
38	Validation of a 2-day water maze protocol in mice. <i>Behavioural Brain Research</i> , <b>2009</b> , 196, 220-7	3.4	66
37	Toxic role of K <sup>+</sup> channel oxidation in mammalian brain. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 4133-44	6.6	64
36	α adrenergic receptor, protein kinase A (PKA) and c-Jun N-terminal kinase (JNK) signaling pathways mediate tau pathology in Alzheimer disease models. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 10298-307	5.4	63
35	Mammalian target of rapamycin hyperactivity mediates the detrimental effects of a high sucrose diet on Alzheimer's disease pathology. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 1233-42	5.6	60
34	Amyloid beta and the longest-lived rodent: the naked mole-rat as a model for natural protection from Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 2352-60	5.6	55
33	Genetic reduction of Nrf2 exacerbates cognitive deficits in a mouse model of Alzheimer's disease. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 4823-4835	5.6	53
32	Enhanced neuronal excitability in the absence of neurodegeneration induces cerebellar ataxia. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 113, 582-90	15.9	51
31	Dyrk1 inhibition improves Alzheimer's disease-like pathology. <i>Aging Cell</i> , <b>2017</b> , 16, 1146-1154	9.9	50
30	mTOR and neuronal cell cycle reentry: How impaired brain insulin signaling promotes Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2017</b> , 13, 152-167	1.2	48
29	Central insulin dysregulation and energy dyshomeostasis in two mouse models of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2017</b> , 58, 1-13	5.6	47
28	The mammalian target of rapamycin at the crossroad between cognitive aging and Alzheimer's disease. <i>Npj Aging and Mechanisms of Disease</i> , <b>2015</b> , 1, 15008	5.5	45

27	BACE1 elevation is involved in amyloid plaque development in the triple transgenic model of Alzheimer's disease: differential A $\beta$ antibody labeling of early-onset axon terminal pathology. <i>Neurotoxicity Research</i> , <b>2012</b> , 21, 160-74	4.3	42
26	Chronic temporal lobe epilepsy is associated with enhanced Alzheimer-like neuropathology in 3Tg-AD mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e48782	3.7	41
25	Lifelong choline supplementation ameliorates Alzheimer's disease pathology and associated cognitive deficits by attenuating microglia activation. <i>Aging Cell</i> , <b>2019</b> , 18, e13037	9.9	40
24	Administration of a selective $\alpha$ adrenergic receptor antagonist exacerbates neuropathology and cognitive deficits in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 2726-2735	5.6	40
23	Cognitive decline typical of frontotemporal lobar degeneration in transgenic mice expressing the 25-kDa C-terminal fragment of TDP-43. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 293-302	5.8	40
22	Acute tau knockdown in the hippocampus of adult mice causes learning and memory deficits. <i>Aging Cell</i> , <b>2018</b> , 17, e12775	9.9	38
21	Aberrant intracellular localization of H3k4me3 demonstrates an early epigenetic phenomenon in Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2015</b> , 36, 3121-3129	5.6	34
20	Accumulation of C-terminal fragments of transactive response DNA-binding protein 43 leads to synaptic loss and cognitive deficits in human TDP-43 transgenic mice. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 79-87	5.6	32
19	Genetically altering A $\beta$ distribution from the brain to the vasculature ameliorates tau pathology. <i>Brain Pathology</i> , <b>2009</b> , 19, 421-30	6	30
18	Glucocorticoids exacerbate cognitive deficits in TDP-25 transgenic mice via a glutathione-mediated mechanism: implications for aging, stress and TDP-43 proteinopathies. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 906-13	6.6	28
17	Oxidative damage and amyloid- $\beta$ metabolism in brain regions of the longest-lived rodents. <i>Journal of Neuroscience Research</i> , <b>2014</b> , 92, 195-205	4.4	28
16	Reduced protein turnover mediates functional deficits in transgenic mice expressing the 25 kDa C-terminal fragment of TDP-43. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 4625-35	5.6	25
15	Age-dependent changes in TDP-43 levels in a mouse model of Alzheimer disease are linked to A $\beta$ oligomers accumulation. <i>Molecular Neurodegeneration</i> , <b>2010</b> , 5, 51	19	25
14	Genetically reducing mTOR signaling rescues central insulin dysregulation in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2018</b> , 68, 1	5.6	24
13	Maternal choline supplementation ameliorates Alzheimer's disease pathology by reducing brain homocysteine levels across multiple generations. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 2620-2629	15.1	24
12	Pim1 inhibition as a novel therapeutic strategy for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , <b>2016</b> , 11, 52	19	20
11	Sortilin is required for toxic action of A $\beta$ oligomers (A $\beta$ O): extracellular A $\beta$ O trigger apoptosis, and intraneuronal A $\beta$ O impair degradation pathways. <i>Life Sciences</i> , <b>2012</b> , 91, 1177-86	6.8	19
10	Genetic suppression of $\alpha$ -adrenergic receptors ameliorates tau pathology in a mouse model of tauopathies. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4024-34	5.6	18

9	Amyloid deposits show complexity and intimate spatial relationship with dendrosomatic plasma membranes: an electron microscopic 3D reconstruction analysis in 3xTg-AD mice and aged canines. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 16, 315-23	4.3	18
8	Differential activation of the mTOR/autophagy pathway predicts cognitive performance in APP/PS1 mice. <i>Neurobiology of Aging</i> , <b>2019</b> , 83, 105-113	5.6	16
7	Experience-dependent regulation of vesicular zinc in male and female 3xTg-AD mice. <i>Neurobiology of Aging</i> , <b>2010</b> , 31, 605-13	5.6	13
6	Identification of learning-induced changes in protein networks in the hippocampi of a mouse model of Alzheimer's disease. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e849	8.6	10
5	Chronic Dyrk1 Inhibition Delays the Onset of AD-Like Pathology in 3xTg-AD Mice. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 8364-8375	6.2	9
4	The collagen chaperone HSP47 is a new interactor of APP that affects the levels of extracellular beta-amyloid peptides. <i>PLoS ONE</i> , <b>2011</b> , 6, e22370	3.7	9
3	Current Status of Healthy Aging and Dementia Research: A Symposium Summary. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 72, S11-S35	4.3	4
2	Paving the Way for New Clinical Trials for Alzheimer's Disease. <i>Biological Psychiatry</i> , <b>2017</b> , 81, 88-89	7.9	2
1	[P2177]: NECROPTOSIS AS A NOVEL MECHANISM UNDERLYING NEURONAL LOSS IN ALZHEIMER'S DISEASE <b>2017</b> , 13, P674-P674		