

Claudia Balducci

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,929

citations

32

h-index

53

g-index

66

ext. papers

3,399

ext. citations

6.4

avg, IF

5.17

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 62 | Synthetic amyloid-beta oligomers impair long-term memory independently of cellular prion protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2295-300 | 11.5 | 371 |
| 61 | Reduced anxiety and improved stress coping ability in mice lacking NPY-Y2 receptors. <i>European Journal of Neuroscience</i> , 2003 , 18, 143-8 | 3.5 | 158 |
| 60 | Dissociable contribution of 5-HT1A and 5-HT2A receptors in the medial prefrontal cortex to different aspects of executive control such as impulsivity and compulsive perseveration in rats. <i>Neuropsychopharmacology</i> , 2006 , 31, 757-67 | 8.7 | 150 |
| 59 | An N-terminal fragment of the prion protein binds to amyloid-β oligomers and inhibits their neurotoxicity in vivo. <i>Journal of Biological Chemistry</i> , 2013 , 288, 7857-7866 | 5.4 | 142 |
| 58 | Neuropeptide Y gene therapy decreases chronic spontaneous seizures in a rat model of temporal lobe epilepsy. <i>Brain</i> , 2008 , 131, 1506-15 | 11.2 | 134 |
| 57 | Multifunctional liposomes reduce brain β amyloid burden and ameliorate memory impairment in Alzheimer's disease mouse models. <i>Journal of Neuroscience</i> , 2014 , 34, 14022-31 | 6.6 | 112 |
| 56 | Alzheimer's Disease, Oligomers, and Inflammation. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 1261-1276 | 4.3 | 89 |
| 55 | Toll-like receptor 4-dependent glial cell activation mediates the impairment in memory establishment induced by β amyloid oligomers in an acute mouse model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2017 , 60, 188-197 | 16.6 | 87 |
| 54 | The serotonin 5-HT2A receptors antagonist M100907 prevents impairment in attentional performance by NMDA receptor blockade in the rat prefrontal cortex. <i>Neuropsychopharmacology</i> , 2004 , 29, 1637-47 | 8.7 | 86 |
| 53 | Mutant prion protein expression causes motor and memory deficits and abnormal sleep patterns in a transgenic mouse model. <i>Neuron</i> , 2008 , 60, 598-609 | 13.9 | 80 |
| 52 | Time-dependent induction of anxiogenic-like effects after central infusion of urocortin or corticotropin-releasing factor in the rat. <i>Psychopharmacology</i> , 2002 , 160, 113-21 | 4.7 | 69 |
| 51 | Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 609-618 | 6 | 67 |
| 50 | Oligomeropathies and pathogenesis of Alzheimer and Parkinson's diseases. <i>Movement Disorders</i> , 2016 , 31, 771-81 | 7 | 66 |
| 49 | c-Jun N-terminal kinase regulates soluble Aβ oligomers and cognitive impairment in AD mouse model. <i>Journal of Biological Chemistry</i> , 2011 , 286, 43871-43880 | 5.4 | 65 |
| 48 | Blocking ADAM10 synaptic trafficking generates a model of sporadic Alzheimer's disease. <i>Brain</i> , 2010 , 133, 3323-35 | 11.2 | 57 |
| 47 | Neuroinflammation and the Gut Microbiota: Possible Alternative Therapeutic Targets to Counteract Alzheimer's Disease?. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 284 | 5.3 | 56 |
| 46 | Anticonvulsant effects and behavioural outcomes of rAAV serotype 1 vector-mediated neuropeptide Y overexpression in rat hippocampus. <i>Gene Therapy</i> , 2010 , 17, 643-52 | 4 | 56 |

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| 45 | APP transgenic mice: their use and limitations. <i>NeuroMolecular Medicine</i> , 2011 , 13, 117-37 | 4.6 | 54 |
| 44 | NPY gene transfer in the hippocampus attenuates synaptic plasticity and learning. <i>Hippocampus</i> , 2008 , 18, 564-74 | 3.5 | 47 |
| 43 | In vivo application of beta amyloid oligomers: a simple tool to evaluate mechanisms of action and new therapeutic approaches. <i>Current Pharmaceutical Design</i> , 2014 , 20, 2491-505 | 3.3 | 47 |
| 42 | Transgenic fatal familial insomnia mice indicate prion infectivity-independent mechanisms of pathogenesis and phenotypic expression of disease. <i>PLoS Pathogens</i> , 2015 , 11, e1004796 | 7.6 | 45 |
| 41 | The β secretase modulator CHF5074 restores memory and hippocampal synaptic plasticity in plaque-free Tg2576 mice. <i>Journal of Alzheimers Disease</i> , 2011 , 24, 799-816 | 4.3 | 44 |
| 40 | Dextromethorphan reduces intravenous cocaine self-administration in the rat. <i>European Journal of Pharmacology</i> , 1997 , 321, 279-83 | 5.3 | 44 |
| 39 | WAY 100635, a 5-HT _{1A} receptor antagonist, prevents the impairment of spatial learning caused by blockade of hippocampal NMDA receptors. <i>Neuropharmacology</i> , 1999 , 38, 1165-73 | 5.5 | 41 |
| 38 | Alpha-synuclein oligomers impair memory through glial cell activation and via Toll-like receptor 2. <i>Brain, Behavior, and Immunity</i> , 2018 , 69, 591-602 | 16.6 | 40 |
| 37 | Retro-inverso peptide inhibitor nanoparticles as potent inhibitors of aggregation of the Alzheimer's A β peptide. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 723-732 | 6 | 39 |
| 36 | Cognitive deficits associated with alteration of synaptic metaplasticity precede plaque deposition in A β P23 transgenic mice. <i>Journal of Alzheimers Disease</i> , 2010 , 21, 1367-81 | 4.3 | 34 |
| 35 | Low doses of 8-OH-DPAT prevent the impairment of spatial learning caused by intrahippocampal scopolamine through 5-HT _{1A} receptors in the dorsal raphe. <i>British Journal of Pharmacology</i> , 2000 , 131, 375-81 | 8.6 | 33 |
| 34 | S 15535, a benzodioxopiperazine acting as presynaptic agonist and postsynaptic 5-HT _{1A} receptor antagonist, prevents the impairment of spatial learning caused by intrahippocampal scopolamine. <i>British Journal of Pharmacology</i> , 1999 , 128, 1207-14 | 8.6 | 33 |
| 33 | Exploring Alzheimer's disease mouse brain through X-ray phase contrast tomography: From the cell to the organ. <i>NeuroImage</i> , 2019 , 184, 490-495 | 7.9 | 33 |
| 32 | Doxycycline for Alzheimer's Disease: Fighting β Amyloid Oligomers and Neuroinflammation. <i>Frontiers in Pharmacology</i> , 2019 , 10, 738 | 5.6 | 32 |
| 31 | Reversal of visual attention dysfunction after AMPA lesions of the nucleus basalis magnocellularis (NBM) by the cholinesterase inhibitor donepezil and by a 5-HT _{1A} receptor antagonist WAY 100635. <i>Psychopharmacology</i> , 2003 , 167, 28-36 | 4.7 | 32 |
| 30 | Novel targets in Alzheimer's disease: A special focus on microglia. <i>Pharmacological Research</i> , 2018 , 130, 402-413 | 10.2 | 31 |
| 29 | Doxycycline counteracts neuroinflammation restoring memory in Alzheimer's disease mouse models. <i>Neurobiology of Aging</i> , 2018 , 70, 128-139 | 5.6 | 31 |
| 28 | Neuropeptide Y overexpression using recombinant adeno-associated viral vectors. <i>Neurotherapeutics</i> , 2009 , 6, 300-6 | 6.4 | 31 |

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| 27 | Inhibition of nitric oxide synthesis reduces intravenous cocaine self-administration in the rat. <i>Neuropharmacology</i> , 1996 , 35, 1811-4 | 5.5 | 28 |
| 26 | Plasma and Brain Concentrations of Doxycycline after Single and Repeated Doses in Wild-Type and APP23 Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 368, 32-40 | 4.7 | 28 |
| 25 | Cellular prion protein neither binds to alpha-synuclein oligomers nor mediates their detrimental effects. <i>Brain</i> , 2019 , 142, 249-254 | 11.2 | 27 |
| 24 | Multifunctional liposomes delay phenotype progression and prevent memory impairment in a presymptomatic stage mouse model of Alzheimer disease. <i>Journal of Controlled Release</i> , 2017 , 258, 121-129 | 11.7 | 26 |
| 23 | Striatum and entorhinal cortex atrophy in AD mouse models: MRI comprehensive analysis. <i>Neurobiology of Aging</i> , 2015 , 36, 776-88 | 5.6 | 23 |
| 22 | Stimulation of 5-HT(1A) receptors in the dorsal raphe ameliorates the impairment of spatial learning caused by intrahippocampal 7-chloro-kynurenic acid in naive and pretrained rats. <i>Psychopharmacology</i> , 2001 , 158, 39-47 | 4.7 | 23 |
| 21 | The Continuing Failure of Bexarotene in Alzheimer's Disease Mice. <i>Journal of Alzheimers Disease</i> , 2015 , 46, 471-82 | 4.3 | 20 |
| 20 | Amyloid oligomers and prion protein: Fatal attraction?. <i>Prion</i> , 2011 , 5, 10-5 | 2.3 | 20 |
| 19 | Neuroprotective Effects of Doxycycline in the R6/2 Mouse Model of Huntington's Disease. <i>Molecular Neurobiology</i> , 2020 , 57, 1889-1903 | 6.2 | 20 |
| 18 | Intranasal delivery of mesenchymal stem cell secretome repairs the brain of Alzheimer's mice. <i>Cell Death and Differentiation</i> , 2021 , 28, 203-218 | 12.7 | 20 |
| 17 | Dopamine partial receptor agonists reduce ethanol intake in the rat. <i>European Journal of Pharmacology</i> , 1996 , 296, 233-8 | 5.3 | 18 |
| 16 | Flavonoid-Derived Human Phenyl-Valerolactone Metabolites Selectively Detoxify Amyloid- β Oligomers and Prevent Memory Impairment in a Mouse Model of Alzheimer's Disease. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900890 | 5.9 | 16 |
| 15 | Biophysical and in Vivo Studies Identify a New Natural-Based Polyphenol, Counteracting A β Oligomerization in Vitro and A β Oligomer-Mediated Memory Impairment and Neuroinflammation in an Acute Mouse Model of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 4462-4475 | 5.7 | 14 |
| 14 | A Rational Structured Epitope Defines a Distinct Subclass of Toxic Amyloid-beta Oligomers. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1591-1606 | 5.7 | 13 |
| 13 | Pulmonary administration of functionalized nanoparticles significantly reduces beta-amyloid in the brain of an Alzheimer's disease murine model. <i>Nano Research</i> , 2016 , 9, 2190-2201 | 10 | 13 |
| 12 | The neurodegeneration in Alzheimer disease and the prion protein. <i>Prion</i> , 2013 , 7, 60-5 | 2.3 | 12 |
| 11 | Gamma-hydroxybutyric acid decreases intravenous cocaine self-administration in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1998 , 59, 697-702 | 3.9 | 12 |
| 10 | Assessment of plaque morphology in Alzheimer's mouse cerebellum using three-dimensional X-ray phase-based virtual histology. <i>Scientific Reports</i> , 2020 , 10, 11233 | 4.9 | 8 |

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| 9 | The Anti-Prion Antibody 15B3 Detects Toxic Amyloid- β Oligomers. <i>Journal of Alzheimers Disease</i> , 2016 , 53, 1485-97 | 4.3 | 8 |
| 8 | Inflammation and Parkinson's disease pathogenesis: Mechanisms and therapeutic insight. <i>Progress in Molecular Biology and Translational Science</i> , 2021 , 177, 175-202 | 4 | 6 |
| 7 | Internalization of nanopolymeric tracers does not alter characteristics of placental cells. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 1036-48 | 5.6 | 4 |
| 6 | Accelerating Alzheimer's disease drug discovery and development: what's the way forward?. <i>Expert Opinion on Drug Discovery</i> , 2021 , 16, 727-735 | 6.2 | 4 |
| 5 | X-ray Phase Contrast Tomography Serves Preclinical Investigation of Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2020 , 14, 584161 | 5.1 | 3 |
| 4 | A critical appraisal of tau-targeting therapies for primary and secondary tauopathies. <i>Alzheimers and Dementia</i> , 2021 , | 1.2 | 3 |
| 3 | Deletion of calcineurin from astrocytes reproduces proteome signature of Alzheimer's disease and epilepsy and predisposes to seizures. <i>Cell Calcium</i> , 2021 , 100, 102480 | 4 | 2 |
| 2 | Sleep inhibition induced by amyloid- β oligomers is mediated by the cellular prion protein. <i>Journal of Sleep Research</i> , 2021 , 30, e13187 | 5.8 | 1 |
| 1 | TLR4 in Neurodegenerative Diseases: Alzheimer's and Parkinson's Diseases. <i>Agents and Actions Supplements</i> , 2021 , 105-118 | 0.2 | |