

Mar Cuadrado-Tejedor

List of Publications by Citations

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40
papers

2,036
citations

23
h-index

40
g-index

40
ext. papers

2,301
ext. citations

5.5
avg, IF

4.51
L-index

#	Paper	IF	Citations
40	Phenylbutyrate ameliorates cognitive deficit and reduces tau pathology in an Alzheimer's disease mouse model. <i>Neuropsychopharmacology</i> , 2009 , 34, 1721-32	8.7	304
39	Phosphodiesterases as therapeutic targets for Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 832-44	5.7	180
38	Phenylbutyrate rescues dendritic spine loss associated with memory deficits in a mouse model of Alzheimer disease. <i>Hippocampus</i> , 2012 , 22, 1040-50	3.5	173
37	Rosiglitazone rescues memory impairment in Alzheimer's transgenic mice: mechanisms involving a reduced amyloid and tau pathology. <i>Neuropsychopharmacology</i> , 2010 , 35, 1593-604	8.7	167
36	Tadalafil crosses the blood-brain barrier and reverses cognitive dysfunction in a mouse model of AD. <i>Neuropharmacology</i> , 2013 , 64, 114-23	5.5	109
35	Early changes in hippocampal Eph receptors precede the onset of memory decline in mouse models of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 773-86	4.3	90
34	Insulin-like growth factor 2 reverses memory and synaptic deficits in APP transgenic mice. <i>EMBO Molecular Medicine</i> , 2014 , 6, 1246-62	12	84
33	Overexpression of wild-type human APP in mice causes cognitive deficits and pathological features unrelated to Abeta levels. <i>Neurobiology of Disease</i> , 2009 , 33, 369-78	7.5	83
32	Enhanced expression of the voltage-dependent anion channel 1 (VDAC1) in Alzheimer's disease transgenic mice: an insight into the pathogenic effects of amyloid- β . <i>Journal of Alzheimer's Disease</i> , 2011 , 23, 195-206	4.3	76
31	A First-in-Class Small-Molecule that Acts as a Dual Inhibitor of HDAC and PDE5 and that Rescues Hippocampal Synaptic Impairment in Alzheimer's Disease Mice. <i>Neuropsychopharmacology</i> , 2017 , 42, 524-539	8.7	65
30	Decreased levels of guanosine 3',5'-cyclic monophosphate (cGMP) in cerebrospinal fluid (CSF) are associated with cognitive decline and amyloid pathology in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2015 , 41, 471-82	5.2	65
29	Sildenafil protects against 3-nitropropionic acid neurotoxicity through the modulation of calpain, CREB, and BDNF. <i>Neurobiology of Disease</i> , 2010 , 38, 237-45	7.5	60
28	Design, Synthesis, and Biological Evaluation of First-in-Class Dual Acting Histone Deacetylases (HDACs) and Phosphodiesterase 5 (PDE5) Inhibitors for the Treatment of Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8967-9004	8.3	59
27	Chronic mild stress accelerates the onset and progression of the Alzheimer's disease phenotype in Tg2576 mice. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 567-78	4.3	44
26	Targeting RNA-Mediated Toxicity in C9orf72 ALS and/or FTD by RNAi-Based Gene Therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 16, 26-37	10.7	43
25	Phenylbutyrate is a multifaceted drug that exerts neuroprotective effects and reverses the Alzheimer's disease-like phenotype of a commonly used mouse model. <i>Current Pharmaceutical Design</i> , 2013 , 19, 5076-84	3.3	42
24	Design, synthesis, biological evaluation and in vivo testing of dual phosphodiesterase 5 (PDE5) and histone deacetylase 6 (HDAC6)-selective inhibitors for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2018 , 150, 506-524	6.8	35

23	Chronic mild stress in mice promotes cognitive impairment and CDK5-dependent tau hyperphosphorylation. <i>Behavioural Brain Research</i> , 2011 , 220, 338-43	3.4	34
22	Pharmacokinetic investigation of sildenafil using positron emission tomography and determination of its effect on cerebrospinal fluid cGMP levels. <i>Journal of Neurochemistry</i> , 2016 , 136, 403-15	6	31
21	Impact of Scaffold Exploration on Novel Dual-Acting Histone Deacetylases and Phosphodiesterase 5 Inhibitors for the Treatment of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 638-661	5.7	26
20	Epigenetic drugs in Alzheimer's disease. <i>Biomolecular Concepts</i> , 2013 , 4, 433-45	3.7	26
19	Age-related mitochondrial alterations without neuronal loss in the hippocampus of a transgenic model of Alzheimer's disease. <i>Current Alzheimer Research</i> , 2013 , 10, 390-405	3	25
18	Long-term phenylbutyrate administration prevents memory deficits in Tg2576 mice by decreasing Aβeta. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 1375-84	1.6	23
17	Taking Advantage of the Selectivity of Histone Deacetylases and Phosphodiesterase Inhibitors to Design Better Therapeutic Strategies to Treat Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 149	5.3	21
16	Phosphodiesterase inhibition in cognitive decline. <i>Journal of Alzheimer's Disease</i> , 2014 , 42 Suppl 4, S561-73	7.3	21
15	Current animal models of Alzheimer's disease: challenges in translational research. <i>Frontiers in Neurology</i> , 2014 , 5, 182	4.1	20
14	Synthesis of ¹³ N-labelled radiotracers by using microfluidic technology. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2012 , 55, 332-338	1.9	20
13	Multitarget Approach for the Treatment of Alzheimer's Disease: Inhibition of Phosphodiesterase 9 (PDE9) and Histone Deacetylases (HDACs) Covering Diverse Selectivity Profiles. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 4076-4101	5.7	18
12	Discovery of in Vivo Chemical Probes for Treating Alzheimer's Disease: Dual Phosphodiesterase 5 (PDE5) and Class I Histone Deacetylase Selective Inhibitors. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1765-1782	5.7	18
11	Synthesis and evaluation of (¹³ N)-labelled azo compounds for amyloid imaging in mice. <i>Molecular Imaging and Biology</i> , 2014 , 16, 538-49	3.8	14
10	Immunomodulatory Properties of Carvone Inhalation and Its Effects on Contextual Fear Memory in Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 68	8.4	11
9	Chronic Mild Stress Assay Leading to Early Onset and Propagation of Alzheimer's Disease Phenotype in Mouse Models. <i>Methods in Molecular Biology</i> , 2016 , 1303, 241-6	1.4	10
8	PLA2G4E, a candidate gene for resilience in Alzheimer's disease and a new target for dementia treatment. <i>Progress in Neurobiology</i> , 2020 , 191, 101818	10.9	9
7	Changes in cytoskeletal gene expression linked to MPTP-treatment in Mice. <i>Neurobiology of Disease</i> , 2005 , 20, 666-72	7.5	8
6	GLUT12 Expression in Brain of Mouse Models of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2020 , 57, 798-805	6.2	8

5	Impact of Neurodegenerative Diseases on Drug Binding to Brain Tissues: From Animal Models to Human Samples. <i>Neurotherapeutics</i> , 2018 , 15, 742-750	6.4	5
4	Advanced Assay Monitoring APP-Carboxyl-Terminal Fragments as Markers of APP Processing in Alzheimer Disease Mouse Models. <i>Methods in Molecular Biology</i> , 2016 , 1303, 117-23	1.4	5
3	Amyloid-Driven Tau Accumulation on Mitochondria Potentially Leads to Cognitive Deterioration in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
2	Identifying the Main Functional Pathways Associated with Cognitive Resilience to Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
1	Linking histone deacetylases and phosphodiesterase 5 in novel treatments for Alzheimer's disease 2020 , 213-226		