

# Luisa V. Lopes

## 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.

60  
papers

2,750  
citations

29  
h-index

52  
g-index

64  
ext. papers

3,321  
ext. citations

7.4  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
60	Adenosine A2A receptors and brain injury: broad spectrum of neuroprotection, multifaceted actions and "fine tuning" modulation. <i>Progress in Neurobiology</i> , <b>2007</b> , 83, 310-31	10.9	205
59	Extracellular alpha-synuclein oligomers modulate synaptic transmission and impair LTP via NMDA-receptor activation. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 11750-62	6.6	180
58	Adenosine A(2A) receptor facilitation of hippocampal synaptic transmission is dependent on tonic A(1) receptor inhibition. <i>Neuroscience</i> , <b>2002</b> , 112, 319-29	3.9	171
57	Cross talk between A(1) and A(2A) adenosine receptors in the hippocampus and cortex of young adult and old rats. <i>Journal of Neurophysiology</i> , <b>1999</b> , 82, 3196-203	3.2	152
56	βsynuclein interacts with PrP to induce cognitive impairment through mGluR5 and NMDAR2B. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1569-1579	25.5	144
55	Adenosine A1 and A2A receptors are co-expressed in pyramidal neurons and co-localized in glutamatergic nerve terminals of the rat hippocampus. <i>Neuroscience</i> , <b>2005</b> , 133, 79-83	3.9	99
54	Decrease of adenosine A1 receptor density and of adenosine neuromodulation in the hippocampus of kindled rats. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 820-8	3.5	98
53	Enhancement of LTP in aged rats is dependent on endogenous BDNF. <i>Neuropsychopharmacology</i> , <b>2011</b> , 36, 1823-36	8.7	97
52	Glycation potentiates βsynuclein-associated neurodegeneration in synucleinopathies. <i>Brain</i> , <b>2017</b> , 140, 1399-1419	11.2	96
51	A2A adenosine receptor deletion is protective in a mouse model of Tauopathy. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 97-107	15.1	94
50	Adenosine A(2A) receptor blockade reverts hippocampal stress-induced deficits and restores corticosterone circadian oscillation. <i>Molecular Psychiatry</i> , <b>2013</b> , 18, 320-31	15.1	89
49	Meningeal T cell-derived IL-17 controls synaptic plasticity and short-term memory. <i>Science Immunology</i> , <b>2019</b> , 4,	28	83
48	Binding of the prototypical adenosine A(2A) receptor agonist CGS 21680 to the cerebral cortex of adenosine A(1) and A(2A) receptor knockout mice. <i>British Journal of Pharmacology</i> , <b>2004</b> , 141, 1006-14	8.6	73
47	Long-term effect of convulsive behavior on the density of adenosine A1 and A 2A receptors in the rat cerebral cortex. <i>Epilepsia</i> , <b>2005</b> , 46 Suppl 5, 159-65	6.4	73
46	Adenosine and related drugs in brain diseases: present and future in clinical trials. <i>Current Topics in Medicinal Chemistry</i> , <b>2011</b> , 11, 1087-101	3	72
45	Increase in the number, G protein coupling, and efficiency of facilitatory adenosine A2A receptors in the limbic cortex, but not striatum, of aged rats. <i>Journal of Neurochemistry</i> , <b>1999</b> , 73, 1733-8	6	71
44	Age-related shift in LTD is dependent on neuronal adenosine A receptors interplay with mGluR5 and NMDA receptors. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 1876-1900	15.1	71

43	Adenosine A3 receptors are located in neurons of the rat hippocampus. <i>NeuroReport</i> , <b>2003</b> , 14, 1645-8	1.7	64
42	Maternal separation impairs long term-potential in CA1-CA3 synapses and hippocampal-dependent memory in old rats. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 1680-5	5.6	59
41	Modulating Alzheimer's disease through caffeine: a putative link to epigenetics. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 24 Suppl 2, 161-71	4.3	57
40	Overexpression of Adenosine A2A Receptors in Rats: Effects on Depression, Locomotion, and Anxiety. <i>Frontiers in Psychiatry</i> , <b>2014</b> , 5, 67	5	55
39	Adenosine A2A Receptors Modulate $\beta$ Synuclein Aggregation and Toxicity. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 718-730	5.1	53
38	Modification of adenosine modulation of acetylcholine release in the hippocampus of aged rats. <i>Neurobiology of Aging</i> , <b>2008</b> , 29, 1597-601	5.6	49
37	Beneficial Effect of a Selective Adenosine A Receptor Antagonist in the APPswe/PS1dE9 Mouse Model of Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 235	6.1	45
36	The caffeine-binding adenosine A2A receptor induces age-like HPA-axis dysfunction by targeting glucocorticoid receptor function. <i>Scientific Reports</i> , <b>2016</b> , 6, 31493	4.9	38
35	Inhibition of NMDA Receptors Prevents the Loss of BDNF Function Induced by Amyloid $\beta$ <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 237	5.6	35
34	Exacerbation of C1q dysregulation, synaptic loss and memory deficits in tau pathology linked to neuronal adenosine A2A receptor. <i>Brain</i> , <b>2019</b> , 142, 3636-3654	11.2	34
33	From epidemiology to pathophysiology: what about caffeine in Alzheimer's disease?. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 587-92	5.1	34
32	Prolactin-induced neuroprotection against glutamate excitotoxicity is mediated by the reduction of [Ca <sup>2+</sup> ] <sub>i</sub> overload and NF- $\kappa$ B activation. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176910	3.7	32
31	Escitalopram improves memory deficits induced by maternal separation in the rat. <i>European Journal of Pharmacology</i> , <b>2012</b> , 695, 71-5	5.3	26
30	Impact of in vivo chronic blockade of adenosine A2A receptors on the BDNF-mediated facilitation of LTP. <i>Neuropharmacology</i> , <b>2014</b> , 83, 99-106	5.5	25
29	Chronic and acute adenosine A receptor blockade prevents long-term episodic memory disruption caused by acute cannabinoid CB receptor activation. <i>Neuropharmacology</i> , <b>2017</b> , 117, 316-327	5.5	24
28	Neuroprotection afforded by adenosine A2A receptor blockade is modulated by corticotrophin-releasing factor (CRF) in glutamate injured cortical neurons. <i>Journal of Neurochemistry</i> , <b>2012</b> , 123, 1030-40	6	24
27	Binding of adenosine receptor ligands to brain of adenosine receptor knock-out mice: evidence that CGS 21680 binds to A1 receptors in hippocampus. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2004</b> , 370, 270-8	3.4	24
26	Proteomics of the rat gut: analysis of the myenteric plexus-longitudinal muscle preparation. <i>Proteomics</i> , <b>2005</b> , 5, 2561-9	4.8	24

25	Novel Players in the Aging Synapse: Impact on Cognition. <i>Journal of Caffeine and Adenosine Research</i> , <b>2019</b> , 9, 104-127	1.6	21
24	Glycation potentiates neurodegeneration in models of Huntington's disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 36798	4.9	19
23	Maternal deprivation affects the neuromuscular protein profile of the rat colon in response to an acute stressor later in life. <i>Journal of Proteomics</i> , <b>2008</b> , 71, 80-8	3.9	18
22	Mutant A53T $\beta$ Synuclein Improves Rotarod Performance Before Motor Deficits and Affects Metabolic Pathways. <i>NeuroMolecular Medicine</i> , <b>2017</b> , 19, 113-121	4.6	14
21	Effects of carbamazepine and novel 10,11-dihydro-5H-dibenz[b,f]azepine-5-carboxamide derivatives on synaptic transmission in rat hippocampal slices. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2002</b> , 90, 208-13		14
20	Adenosine A3 receptors in the rat hippocampus: Lack of interaction with A1 receptors. <i>Drug Development Research</i> , <b>2003</b> , 58, 428-438	5.1	12
19	Adenosine Receptors as Neuroinflammation Modulators: Role of A Agonists and A Antagonists. <i>Cells</i> , <b>2020</b> , 9,	7.9	12
18	Sensing $\beta$ Synuclein From the Outside via the Prion Protein: Implications for Neurodegeneration. <i>Movement Disorders</i> , <b>2018</b> , 33, 1675-1684	7	11
17	IL-17 triggers the onset of cognitive and synaptic deficits in early stages of Alzheimer's disease. <i>Cell Reports</i> , <b>2021</b> , 36, 109574	10.6	10
16	The Amyloid Precursor Protein C-Terminal Domain Alters CA1 Neuron Firing, Modifying Hippocampus Oscillations and Impairing Spatial Memory Encoding. <i>Cell Reports</i> , <b>2019</b> , 29, 317-331.e5	10.6	9
15	Design, synthesis and evaluation of 2-aryl benzoxazoles as promising hit for the A receptor. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 850-864	5.6	8
14	Adenosine receptor interactions in the hippocampus. <i>Drug Development Research</i> , <b>2001</b> , 52, 337-345	5.1	8
13	Modeling human age-associated increase in Gadd45 expression leads to spatial recognition memory impairments in young adult mice. <i>Neurobiology of Aging</i> , <b>2020</b> , 94, 281-286	5.6	5
12	Validation of the Portuguese Variant of the Munich Chronotype Questionnaire (MCTQ). <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 795	4.6	5
11	Proteomics at the interface of psychology, gut physiology and dysfunction: an underexploited approach that deserves expansion. <i>Expert Review of Proteomics</i> , <b>2011</b> , 8, 605-14	4.2	3
10	Adenosine Receptors and Alzheimer's Disease <b>2013</b> , 385-407		2
9	Tapentadol Prevents Motor Impairments in a Mouse Model of Dyskinesia. <i>Neuroscience</i> , <b>2020</b> , 424, 58-71	3.9	2
8	Multicompartment Microreactors Prevent Excitotoxic Dysfunctions In Rat Primary Cortical Neurons. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000139	3.5	2

7	Design and synthesis of fused tetrahydroisoquinoline-iminoimidazolines. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 106, 15-25	6.8	1
6	Adenosine Receptors in Huntington's Disease <b>2013</b> , 409-434		1
5	Stabilizing synapses. <i>Science</i> , <b>2021</b> , 374, 684-685	33.3	1
4	S327 phosphorylation of the presynaptic protein SEPTIN5 increases in the early stages of neurofibrillary pathology and alters the functionality of SEPTIN5.. <i>Neurobiology of Disease</i> , <b>2021</b> , 163, 105603	7.5	1
3	Transection of the Superior Sagittal Sinus Enables Bilateral Access to the Rodent Midline Brain Structures. <i>ENeuro</i> , <b>2021</b> , 8,	3.9	1
2	Glycation modulates glutamatergic signaling and exacerbates Parkinson's disease-like phenotypes.. <i>Npj Parkinsons Disease</i> , <b>2022</b> , 8, 51	9.7	0
1	Molecular Aspects of Hippocampal Aging <b>2020</b> , 43-63		