

# Sandra Henriques Vaz

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,582  
citations

331670

21  
h-index

315739

38  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-synuclein interacts with PrPC to induce cognitive impairment through mGluR5 and NMDAR2B. <i>Nature Neuroscience</i> , 2017, 20, 1569-1579.	14.8	223
2	Going the Extra (Synaptic) Mile: Excitotoxicity as the Road Toward Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 90.	3.7	145
3	A1R and A2AR heteromers coupled to Gs and Gi/o proteins modulate GABA transport into astrocytes. <i>Purinergic Signalling</i> , 2013, 9, 433-449.	2.2	123
4	Dysregulation of TrkB Receptors and BDNF Function by Amyloid-Î² Peptide is Mediated by Calpain. <i>Cerebral Cortex</i> , 2015, 25, 3107-3121.	2.9	84
5	Transcriptomic analysis of 3D Cardiac Differentiation of Human Induced Pluripotent Stem Cells Reveals Faster Cardiomyocyte Maturation Compared to 2D Culture. <i>Scientific Reports</i> , 2019, 9, 9229.	3.3	77
6	Brain-derived Neurotrophic Factor (BDNF) Enhances GABA Transport by Modulating the Trafficking of GABA Transporter-1 (GAT-1) from the Plasma Membrane of Rat Cortical Astrocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 40464-40476.	3.4	59
7	Microglia Dysfunction Caused by the Loss of RhoA Disrupts Neuronal Physiology and Leads to Neurodegeneration. <i>Cell Reports</i> , 2020, 31, 107796.	6.4	59
8	Adenosine A2A receptors enhance GABA transport into nerve terminals by restraining PKC inhibition of GAT-1. <i>Journal of Neurochemistry</i> , 2009, 109, 336-347.	3.9	52
9	Modeling Rett Syndrome With Human Patient-Specific Forebrain Organoids. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 610427.	3.7	49
10	Modulation of brain-derived neurotrophic factor (BDNF) actions in the nervous system by adenosine A2A receptors and the role of lipid rafts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1340-1349.	2.6	47
11	P2Y <sub>1</sub> receptor inhibits GABA transport through a calcium signalling-dependent mechanism in rat cortical astrocytes. <i>Glia</i> , 2014, 62, 1211-1226.	4.9	45
12	Interaction between Cannabinoid Type 1 and Type 2 Receptors in the Modulation of Subventricular Zone and Dentate Gyrus Neurogenesis. <i>Frontiers in Pharmacology</i> , 2017, 8, 516.	3.5	43
13	Glutamate Transporters in Hippocampal LTD/LTP: Not Just Prevention of Excitotoxicity. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 357.	3.7	42
14	Differential Role of the Proteasome in the Early and Late Phases of BDNF-Induced Facilitation of LTP. <i>Journal of Neuroscience</i> , 2015, 35, 3319-3329.	3.6	40
15	GAT-3 Dysfunction Generates Tonic Inhibition in External Globus Pallidus Neurons in Parkinsonian Rodents. <i>Cell Reports</i> , 2018, 23, 1678-1690.	6.4	39
16	Maturation of Human Pluripotent Stem Cell-Derived Cerebellar Neurons in the Absence of Co-culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 70.	4.1	39
17	Glial cell line-derived neurotrophic factor (GDNF) enhances dopamine release from striatal nerve endings in an adenosine A2A receptor-dependent manner. <i>Brain Research</i> , 2006, 1113, 129-136.	2.2	38
18	Allosteric Antagonist Modulation of TRPV2 by Piperlongumine Impairs Glioblastoma Progression. <i>ACS Central Science</i> , 2021, 7, 868-881.	11.3	34

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19	Brain-derived neurotrophic factor inhibits GABA uptake by the rat hippocampal nerve terminals. <i>Brain Research</i> , 2008, 1219, 19-25.	2.2	33
20	Dopamine-Galanin Receptor Heteromers Modulate Cholinergic Neurotransmission in the Rat Ventral Hippocampus. <i>Journal of Neuroscience</i> , 2011, 31, 7412-7423.	3.6	31
21	Recovery of Depleted miR-146a in ALS Cortical Astrocytes Reverts Cell Aberrancies and Prevents Paracrine Pathogenicity on Microglia and Motor Neurons. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 634355.	3.7	26
22	Adenosine A2A receptor activation is determinant for BDNF actions upon GABA and glutamate release from rat hippocampal synaptosomes. <i>Purinergic Signalling</i> , 2015, 11, 607-612.	2.2	23
23	Hippocampal synaptic dysfunction in the SOD1G93A mouse model of Amyotrophic Lateral Sclerosis: Reversal by adenosine A2AR blockade. <i>Neuropharmacology</i> , 2020, 171, 108106.	4.1	22
24	Platinum Nanoparticle-Based Microreactors as Support for Neuroblastoma Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7581-7592.	8.0	20
25	Transcriptome profiling of human pluripotent stem cell-derived cerebellar organoids reveals faster commitment under dynamic conditions. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2781-2803.	3.3	20
26	Of adenosine and the blues: The adenosinergic system in the pathophysiology and treatment of major depressive disorder. <i>Pharmacological Research</i> , 2021, 163, 105363.	7.1	19
27	Brain-Sparing Sympathofacilitators Mitigate Obesity without Adverse Cardiovascular Effects. <i>Cell Metabolism</i> , 2020, 31, 1120-1135.e7.	16.2	18
28	Modulation of GABA Transport by Adenosine A1R-A2AR Heteromers, Which Are Coupled to Both Gs- and Gi/o-Proteins. <i>Journal of Neuroscience</i> , 2011, 31, 15629-15639.	3.6	16
29	On the Assembly of Microreactors with Parallel Enzymatic Pathways. <i>Advanced Biology</i> , 2018, 2, e1700244.	3.0	14
30	hiPSC-Based Model of Prenatal Exposure to Cannabinoids: Effect on Neuronal Differentiation. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 119.	2.9	14
31	Overexpression of Osmosensitive Ca <sup>2+</sup> -Permeable Channel TMEM63B Promotes Migration in HEK293T Cells. <i>Biochemistry</i> , 2019, 58, 2861-2866.	2.5	13
32	Modeling the functional network of primary intercellular Ca <sup>2+</sup> wave propagation in astrocytes and its application to study drug effects. <i>Journal of Theoretical Biology</i> , 2014, 356, 201-212.	1.7	12
33	Caffeine has a dual influence on NMDA receptor-mediated glutamatergic transmission at the hippocampus. <i>Purinergic Signalling</i> , 2020, 16, 503-518.	2.2	10
34	Glycine Receptor Activation Impairs ATP-Induced Calcium Transients in Cultured Cortical Astrocytes. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 444.	2.9	7
35	Astrocytes in Amyotrophic Lateral Sclerosis. , 0, , 35-54.		7
36	Editorial: Glial Plasticity in Depression. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 163.	3.7	6

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37	BDNF modulates glycine uptake in hippocampal synaptosomes by decreasing membrane insertion of glycine transporter 2. <i>Neurochemistry International</i> , 2016, 99, 94-102.	3.8	6
38	Multicompartment Microreactors Prevent Excitotoxic Dysfunctions In Rat Primary Cortical Neurons. <i>Advanced Biology</i> , 2020, 4, e2000139.	3.0	6
39	Manganese dioxide nanosheet-containing reactors as antioxidant support for neuroblastoma cells. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4672-4683.	5.8	6
40	Editorial: Glial and Neural Stem Cells as New Therapeutic Targets for Neurodegenerative Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 71.	3.7	5
41	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> , 2022, 163, 105603.	4.4	4
42	Deep Brain Stimulation of the dorsal raphe abolishes serotonin 1A facilitation of AMPA receptor-mediated synaptic currents in the ventral hippocampus. <i>Behavioural Brain Research</i> , 2021, 403, 113134.	2.2	2
43	Microreactors: Multicompartment Microreactors Prevent Excitotoxic Dysfunctions In Rat Primary Cortical Neurons ( <i>Adv. Biosys.</i> 10/2020). <i>Advanced Biology</i> , 2020, 4, 2070102.	3.0	0