

# Sergio Gomes Da Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,404  
citations

279798

23  
h-index

345221

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early exercise promotes positive hippocampal plasticity and improves spatial memory in the adult life of rats. <i>Hippocampus</i> , 2012, 22, 347-358.	1.9	103
2	Discordant congenital Zika syndrome twins show differential in vitro viral susceptibility of neural progenitor cells. <i>Nature Communications</i> , 2018, 9, 475.	12.8	86
3	Effects of different types of physical exercise on the staining of parvalbumin-positive neurons in the hippocampal formation of rats with epilepsy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 814-822.	4.8	73
4	Evaluation of Physical Activity Habits in Patients with Posttraumatic Stress Disorder. <i>Clinics</i> , 2008, 63, 473-478.	1.5	72
5	Exercise-induced hippocampal anti-inflammatory response in aged rats. <i>Journal of Neuroinflammation</i> , 2013, 10, 61.	7.2	70
6	Maternal Exercise during Pregnancy Increases BDNF Levels and Cell Numbers in the Hippocampal Formation but Not in the Cerebral Cortex of Adult Rat Offspring. <i>PLoS ONE</i> , 2016, 11, e0147200.	2.5	65
7	The potential role of physical exercise in the treatment of epilepsy. <i>Epilepsy and Behavior</i> , 2010, 17, 432-435.	1.7	60
8	Physical activity and brain development. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 1041-1051.	2.8	51
9	Knowledge about epilepsy among health professionals: a cross-sectional survey in São Paulo, Brazil. <i>BMJ Open</i> , 2012, 2, e000919.	1.9	48
10	Differential effects of exercise intensities in hippocampal BDNF, inflammatory cytokines and cell proliferation in rats during the postnatal brain development. <i>Neuroscience Letters</i> , 2013, 553, 1-6.	2.1	48
11	Physical exercise during the adolescent period of life increases hippocampal parvalbumin expression. <i>Brain and Development</i> , 2010, 32, 137-142.	1.1	47
12	Exercise Paradigms to Study Brain Injury Recovery in Rodents. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2011, 90, 452-465.	1.4	47
13	Down Syndrome iPSC-Derived Astrocytes Impair Neuronal Synaptogenesis and the mTOR Pathway In Vitro. <i>Molecular Neurobiology</i> , 2018, 55, 5962-5975.	4.0	42
14	Resistance Exercise Reduces Seizure Occurrence, Attenuates Memory Deficits and Restores BDNF Signaling in Rats with Chronic Epilepsy. <i>Neurochemical Research</i> , 2017, 42, 1230-1239.	3.3	41
15	Relationship between seizure frequency and number of neuronal and non-neuronal cells in the hippocampus throughout the life of rats with epilepsy. <i>Brain Research</i> , 2016, 1634, 179-186.	2.2	34
16	Status epilepticus does not induce acute brain inflammatory response in the Amazon rodent <i>Proechimys</i> , an animal model resistant to epileptogenesis. <i>Neuroscience Letters</i> , 2018, 668, 169-173.	2.1	31
17	Early physical exercise and seizure susceptibility later in life. <i>International Journal of Developmental Neuroscience</i> , 2011, 29, 861-865.	1.6	27
18	Differential effects of exercise on brain opioid receptor binding and activation in rats. <i>Journal of Neurochemistry</i> , 2015, 132, 206-217.	3.9	26

#	ARTICLE	IF	CITATIONS
19	Physical exercise alters the activation of downstream proteins related to BDNFâ€”TrkB signaling in male Wistar rats with epilepsy. <i>Journal of Neuroscience Research</i> , 2018, 96, 911-920.	2.9	26
20	Storytelling increases oxytocin and positive emotions and decreases cortisol and pain in hospitalized children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
21	Hippocampal mossy fiber sprouting induced by forced and voluntary physical exercise. <i>Physiology and Behavior</i> , 2010, 101, 302-308.	2.1	25
22	Physical training in developing rats does not influence the kindling development in the adult life. <i>Physiology and Behavior</i> , 2007, 90, 629-633.	2.1	24
23	Physical exercise in adolescence changes CB1 cannabinoid receptor expression in the rat brain. <i>Neurochemistry International</i> , 2010, 57, 492-496.	3.8	24
24	Beneficial influence of physical exercise following status epilepticus in the immature brain of rats. <i>Neuroscience</i> , 2014, 274, 69-81.	2.3	24
25	Repetitive noxious neonatal stimuli increases dentate gyrus cell proliferation and hippocampal brainâ€”derived neurotrophic factor levels. <i>Hippocampus</i> , 2014, 24, 415-423.	1.9	23
26	Cortical and hippocampal expression of inflammatory and intracellular signaling proteins in aged rats submitted to aerobic and resistance physical training. <i>Experimental Gerontology</i> , 2018, 110, 284-290.	2.8	21
27	çÿè'è;âŠ”ã~è;æµ†ã,è,,æ°æ€Šç¥žç»è¥â...»â>âæ°'â¹³è³/4fæ™®é€šãººç³/4æ~³/4è'—â‡é«~. <i>Neuroscience Bulletin</i> , 2012, 27, 325-329.		
28	Photobiomodulation for the aging brain. <i>Ageing Research Reviews</i> , 2021, 70, 101415.	10.9	19
29	Evaluation of physical educators' knowledge about epilepsy. <i>Arquivos De Neuro-Psiquiatria</i> , 2010, 68, 367-371.	0.8	18
30	Early exercise induces long-lasting morphological changes in cortical and hippocampal neurons throughout of a sedentary period of rats. <i>Scientific Reports</i> , 2019, 9, 13684.	3.3	18
31	Improved Spatial Memory And Neuroinflammatory Profile Changes in Aged Rats Submitted to Photobiomodulation Therapy. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 1875-1886.	3.3	18
32	The use of new world primates for biomedical research: an overview of the last four decades. <i>American Journal of Primatology</i> , 2010, 72, 1055-1061.	1.7	16
33	Aerobic exercise reduces hippocampal ERK and p38 activation and improves memory of middleâ€”aged rats. <i>Hippocampus</i> , 2017, 27, 899-905.	1.9	15
34	Effects of Chronic Photobiomodulation with Transcranial Near-Infrared Laser on Brain Metabolomics of Young and Aged Rats. <i>Molecular Neurobiology</i> , 2021, 58, 2256-2268.	4.0	14
35	Therapeutic Potential of Photobiomodulation In Alzheimerâ€”s Disease: A Systematic Review. <i>Journal of Lasers in Medical Sciences</i> , 2020, 11, S16-S22.	1.2	14
36	Aerobic exercise in adolescence results in an increase of neuronal and non-neuronal cells and in mTOR overexpression in the cerebral cortex of rats. <i>Neuroscience</i> , 2017, 361, 108-115.	2.3	13

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37	Epilepsy-induced electrocardiographic alterations following cardiac ischemia and reperfusion in rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2015, 48, 140-145.	1.5	11
38	Photobiomodulation Improves the Inflammatory Response and Intracellular Signaling Proteins Linked to Vascular Function and Cell Survival in the Brain of Aged Rats. <i>Molecular Neurobiology</i> , 2022, 59, 420-428.	4.0	9
39	A new model of experimental hemispherotomy in young adult <i>Rattus norvegicus</i> : a neural tract tracing and SPECT in vivo study. <i>Journal of Neurosurgery</i> , 2019, 130, 1210-1223.	1.6	7
40	Hippocampal plasticity in rats submitted to a gastric restrictive procedure. <i>Nutritional Neuroscience</i> , 2011, 14, 181-185.	3.1	6
41	Hippocampal distribution of parvalbumin neurons in female and male rats submitted to the same volume and intensity of aerobic exercise. <i>Neuroscience Letters</i> , 2019, 690, 162-166.	2.1	6
42	Resistance exercise improves learning and memory and modulates hippocampal metabolomic profile in aged rats. <i>Neuroscience Letters</i> , 2022, 766, 136322.	2.1	6
43	Plasma brain-derived neurotrophic factor is higher after combat training (Randori) than incremental ramp test in elite judo athletes. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8154.	1.5	5
44	Factors affecting executive function performance of Brazilian elderly in the Stroop test. <i>Brazilian Journal of Medical and Biological Research</i> , 2022, 55, e11917.	1.5	5
45	Physical Exercise Restores the Generation of Newborn Neurons in an Animal Model of Chronic Epilepsy. <i>Frontiers in Neuroscience</i> , 2017, 11, 98.	2.8	4
46	Enriched environment and exercise effects on parvalbumin expression and distribution in the hippocampal formation of developing rats. <i>Brain Research Bulletin</i> , 2020, 160, 85-90.	3.0	3
47	Transcranial photobiomodulation changes neuronal morphology in the cerebral cortex of rats. <i>Neuroscience Letters</i> , 2022, 781, 136681.	2.1	3
48	Parvalbumin expression and distribution in the hippocampal formation of <i>Cebus apella</i> . <i>American Journal of Primatology</i> , 2015, 77, 449-461.	1.7	1
49	Using a Dance Mat to Assess Inhibitory Control of Foot in Young Children. <i>Frontiers in Physiology</i> , 2019, 10, 1302.	2.8	1
50	Physical Exercise And Brain Development. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 680.	0.4	0
51	Neural Reserve Induced By Practice Of Physical Activity In Adolescence. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 854.	0.4	0
52	Photobiomodulation therapy enhances topical diclofenac absorption in healthy volunteers – a randomized placebo-controlled trial: preliminary results. <i>Research, Society and Development</i> , 2021, 10, e265101220448.	0.1	0
53	Dispositivos para ortostatismo para pessoas com mobilidade reduzida: revisão integrativa. <i>Research, Society and Development</i> , 2022, 11, e35911930278.	0.1	0