

Cristovam Diniz

List of Publications by Year in descending order

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97
papers

1,974
citations

257101

24
h-index

301761

39
g-index

107
all docs

107
docs citations

107
times ranked

1953
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptic changes characterize early behavioural signs in the ME7 model of murine prion disease. <i>European Journal of Neuroscience</i> , 2003, 17, 2147-2155.	1.2	243
2	Retinal ganglion cell distribution in the cebus monkey: A comparison with the cortical magnification factors. <i>Vision Research</i> , 1989, 29, 1471-1483.	0.7	91
3	Number and distribution of neurons in the retinal ganglion cell layer in relation to foraging behaviors of tyrant flycatchers. <i>Journal of Comparative Neurology</i> , 2009, 514, 66-73.	0.9	77
4	Environmental impoverishment and aging alter object recognition, spatial learning, and dentate gyrus astrocytes. <i>European Journal of Neuroscience</i> , 2010, 32, 509-519.	1.2	76
5	Astrocytosis, microglia activation, oligodendrocyte degeneration, and pyknosis following acute spinal cord injury. <i>Experimental Neurology</i> , 2004, 190, 456-467.	2.0	74
6	Distribution and size of ganglion cells in the retinae of large Amazon rodents. <i>Visual Neuroscience</i> , 1989, 2, 221-235.	0.5	52
7	Age, environment, object recognition and morphological diversity of GFAP-immunolabeled astrocytes. <i>Behavioral and Brain Functions</i> , 2016, 12, 28.	1.4	45
8	Systematic analysis of axonal damage and inflammatory response in different white matter tracts of acutely injured rat spinal cord. <i>Brain Research</i> , 2005, 1066, 57-70.	1.1	43
9	Minocycline treatment reduces white matter damage after excitotoxic striatal injury. <i>Brain Research</i> , 2010, 1329, 182-193.	1.1	40
10	Specialization of pyramidal cell structure in the visual areas V1, V2 and V3 of the South American rodent, <i>Dasyprocta primnolopha</i> . <i>Brain Research</i> , 2006, 1106, 99-110.	1.1	35
11	Inflammatory response and white matter damage after microinjections of endothelin-1 into the rat striatum. <i>Brain Research</i> , 2008, 1200, 78-88.	1.1	35
12	Beneficial effects of multisensory and cognitive stimulation on age-related cognitive decline in long-term-care institutions. <i>Clinical Interventions in Aging</i> , 2014, 9, 309.	1.3	35
13	CANTAB object recognition and language tests to detect aging cognitive decline: an exploratory comparative study. <i>Clinical Interventions in Aging</i> , 2015, 10, 37.	1.3	34
14	Contrast sensitivity function and visual acuity of the opossum. <i>Vision Research</i> , 1982, 22, 1371-1377.	0.7	33
15	Contralateral visual field representation in area 17 of the cerebral cortex of the agouti: A comparison between the cortical magnification factor and retinal ganglion cell distribution. <i>Neuroscience</i> , 1991, 44, 325-333.	1.1	32
16	Effects of Methyl Mercury on their <i>Vivo</i> Release of Dopamine and Its Acidic Metabolites DOPAC and HVA from Striatum of Rats. <i>Ecotoxicology and Environmental Safety</i> , 1997, 38, 95-98.	2.9	32
17	Influence of Enriched Environment on Viral Encephalitis Outcomes: Behavioral and Neuropathological Changes in Albino Swiss Mice. <i>PLoS ONE</i> , 2011, 6, e15597.	1.1	32
18	Dual-Task Exercise to Improve Cognition and Functional Capacity of Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 589299.	1.7	31

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19	Displaced horizontal cells and bplexiform horizontal cells in the mammalian retina. <i>Visual Neuroscience</i> , 1989, 3, 483-488.	0.5	29
20	Influence of schooling and age on cognitive performance in healthy older adults. <i>Brazilian Journal of Medical and Biological Research</i> , 2017, 50, e5892.	0.7	29
21	Spatial memory decline after masticatory deprivation and aging is associated with altered laminar distribution of CA1 astrocytes. <i>BMC Neuroscience</i> , 2012, 13, 23.	0.8	28
22	Permanent and transitory morphometric changes of NADPH-diaphorase-containing neurons in the rat visual cortex after early malnutrition. <i>Brain Research Bulletin</i> , 2000, 53, 193-201.	1.4	26
23	Morphometric variability of nicotinamide adenine dinucleotide phosphate diaphorase neurons in the primary sensory areas of the rat. <i>Neuroscience</i> , 2012, 205, 140-153.	1.1	26
24	A morphometric study of the progressive changes on NADPH diaphorase activity in the developing rat's barrel field. <i>Neuroscience Research</i> , 2004, 50, 55-66.	1.0	25
25	The barrel field of the adult mouse Sml cortex as revealed by NADPH-diaphorase histochemistry. <i>NeuroReport</i> , 2000, 11, 1889-1892.	0.6	24
26	Neuropil reactivity, distribution and morphology of NADPH diaphorase type I neurons in the barrel cortex of the adult mouse. <i>Journal of Chemical Neuroanatomy</i> , 2005, 30, 71-81.	1.0	24
27	The Organizational Variability of the Rodent Somatosensory Cortex. <i>Reviews in the Neurosciences</i> , 2007, 18, 283-94.	1.4	24
28	Differential effects of methylmercury intoxication in the rat's barrel field as evidenced by NADPH diaphorase histochemistry. <i>NeuroToxicology</i> , 2007, 28, 175-181.	1.4	24
29	Callosal axon arbors in the limb representations of the somatosensory cortex (SI) in the agouti (<i>Dasyprocta primnolopha</i>). <i>Journal of Comparative Neurology</i> , 2007, 500, 255-266.	0.9	24
30	Differential vulnerability of substantia nigra and corpus striatum to oxidative insult induced by reduced dietary levels of essential fatty acids. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 249.	1.0	24
31	Enriched environment and masticatory activity rehabilitation recover spatial memory decline in aged mice. <i>BMC Neuroscience</i> , 2013, 14, 63.	0.8	24
32	Litter size, age-related memory impairments, and microglial changes in rat dentate gyrus: Stereological analysis and three dimensional morphometry. <i>Neuroscience</i> , 2013, 238, 280-296.	1.1	22
33	Three-dimensional morphometric analysis of microglial changes in a mouse model of virus encephalitis: age and environmental influences. <i>European Journal of Neuroscience</i> , 2015, 42, 2036-2050.	1.2	22
34	Visuospatial learning and memory in the <i>Cebus apella</i> and microglial morphology in the molecular layer of the dentate gyrus and CA1 lacunosum molecular layer. <i>Journal of Chemical Neuroanatomy</i> , 2014, 61-62, 176-188.	1.0	21
35	NADPH-diaphorase histochemical changes in the hippocampus, cerebellum and striatum are correlated with different modalities of exercise and watermaze performances. <i>Experimental Brain Research</i> , 2006, 175, 292-304.	0.7	20
36	Diffuse Axonal Damage, Myelin Impairment, Astrocytosis and Inflammatory Response Following Microinjections of NMDA into The Rat Striatum. <i>Inflammation</i> , 2008, 31, 24-35.	1.7	20

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37	Microglia and neurons in the hippocampus of migratory sandpipers. <i>Brazilian Journal of Medical and Biological Research</i> , 2016, 49, e5005.	0.7	20
38	Hippocampal Astrocytes in Migrating and Wintering Semipalmated Sandpiper <i>Calidris pusilla</i> . <i>Frontiers in Neuroanatomy</i> , 2017, 11, 126.	0.9	20
39	Small-scale environmental enrichment and exercise enhance learning and spatial memory of <i>Carassius auratus</i> , and increase cell proliferation in the telencephalon: an exploratory study. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8026.	0.7	17
40	Hippocampal neurogenesis and volume in migrating and wintering semipalmated sandpipers (<i>Calidris</i>)	1.1	17
41	Differential patterns of inflammatory response, axonal damage and myelin impairment following excitotoxic or ischemic damage to the trigeminal spinal nucleus of adult rats. <i>Brain Research</i> , 2007, 1172, 130-144.	1.1	16
42	Beneficial effects of multisensory and cognitive stimulation in institutionalized elderly: 12-months follow-up. <i>Clinical Interventions in Aging</i> , 2015, 10, 1351.	1.3	16
43	NADPH-diaphorase Histochemical Labeling Patterns in the Hippocampal Neuropil and Visual Cortical Neurons in Weaned Rats Reared during Lactation on Different Litter Sizes. <i>Nutritional Neuroscience</i> , 2004, 7, 207-216.	1.5	15
44	Neurotropism and neuropathological effects of selected rhabdoviruses on intranasally-infected newborn mice. <i>Acta Tropica</i> , 2006, 97, 126-139.	0.9	15
45	Dopaminergic cell populations of the rat substantia nigra are differentially affected by essential fatty acid dietary restriction over two generations. <i>Journal of Chemical Neuroanatomy</i> , 2012, 44, 66-75.	1.0	15
46	Late development of Zif268 ocular dominance columns in primary visual cortex of primates. <i>Brain Research</i> , 1996, 732, 237-241.	1.1	14
47	Differential Microglial Morphological Response, TNF \pm , and Viral Load in Sedentary-like and Active Murine Models After Systemic Non-neurotropic Dengue Virus Infection. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 419-439.	1.3	13
48	Long-term environmental enrichment reduces microglia morphological diversity of the molecular layer of dentate gyrus. <i>European Journal of Neuroscience</i> , 2020, 52, 4081-4099.	1.2	13
49	Topography and architecture of visual and somatosensory areas of the agouti. <i>Journal of Comparative Neurology</i> , 2014, 522, 2576-2593.	0.9	12
50	Microglial Morphology Across Distantly Related Species: Phylogenetic, Environmental and Age Influences on Microglia Reactivity and Surveillance States. <i>Frontiers in Immunology</i> , 2021, 12, 683026.	2.2	12
51	Neuropil and neuronal changes in hippocampal NADPH-diaphorase histochemistry in the ME7 model of murine prion disease. <i>Neuropathology and Applied Neurobiology</i> , 2004, 30, 292-303.	1.8	11
52	Environmental Enrichment Improved Learning and Memory, Increased Telencephalic Cell Proliferation, and Induced Differential Gene Expression in <i>Colossoma macropomum</i> . <i>Frontiers in Pharmacology</i> , 2020, 11, 840.	1.6	11
53	Spatiotemporal distribution of proteoglycans in the developing rat's barrel field and the effects of early deafferentation. <i>Journal of Comparative Neurology</i> , 2008, 510, 145-157.	0.9	10
54	Morphological variability of NADPH diaphorase neurons across areas V1, V2, and V3 of the common agouti. <i>Brain Research</i> , 2010, 1318, 52-63.	1.1	10

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55	Dendritic structure varies as a function of eccentricity in V1: A quantitative study of NADPH diaphorase neurons in the diurnal South American rodent agouti, <i>Dasyprocta prymnolopha</i> . <i>Neuroscience</i> , 2012, 216, 94-102.	1.1	10
56	In vitro cytokines profile and ultrastructural changes of microglia and macrophages following interaction with <i>Leishmania</i> . <i>Parasitology</i> , 2014, 141, 1052-1063.	0.7	10
57	Computer-assisted morphometric analysis of intrinsic axon terminals in the supragranular layers of cat striate cortex. <i>Anatomy and Embryology</i> , 2002, 205, 291-300.	1.5	9
58	Antibody-enhanced dengue disease generates a marked CNS inflammatory response in the black-tufted marmoset <i>Callithrix penicillata</i> . <i>Neuropathology</i> , 2016, 36, 3-16.	0.7	9
59	Contrasting migratory journeys and changes in hippocampal astrocyte morphology in shorebirds. <i>European Journal of Neuroscience</i> , 2021, 54, 5687-5704.	1.2	9
60	Adult brain nitrenergic activity after concomitant prenatal exposure to ethanol and methyl mercury. <i>Acta Histochemica</i> , 2010, 112, 583-591.	0.9	8
61	S1 to S2 hind- and forelimb projections in the agouti somatosensory cortex: Axon fragments morphological analysis. <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 339-345.	1.0	8
62	Virus Infections on Prion Diseased Mice Exacerbate Inflammatory Microglial Response. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	8
63	Age and Environment Influences on Mouse Prion Disease Progression: Behavioral Changes and Morphometry and Stereology of Hippocampal Astrocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-18.	1.9	8
64	The subtleties of cognitive decline in multiple sclerosis: an exploratory study using hierarchical cluster analysis of CANTAB results. <i>BMC Neurology</i> , 2018, 18, 140.	0.8	8
65	L-arginine treatment early in life influences NADPH-diaphorase neurons in visual cortex of normal and early-malnourished adult rats. <i>Brain Research</i> , 2006, 1072, 19-25.	1.1	7
66	Histochemical characterization, distribution and morphometric analysis of NADPH diaphorase neurons in the spinal cord of the agouti. <i>Frontiers in Neuroanatomy</i> , 2008, 2, 2.	0.9	7
67	Environmental influences on antibody-enhanced dengue disease outcomes. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2012, 107, 1021-1029.	0.8	7
68	Stereological Analysis of Early Gene Expression Using Egr-1 Immunolabeling After Spreading Depression in the Rat Somatosensory Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 1020.	1.4	7
69	Differential Change in Hippocampal Radial Astrocytes and Neurogenesis in Shorebirds With Contrasting Migratory Routes. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 82.	0.9	7
70	WATER-BASED EXERCISE AND RESISTANCE TRAINING IMPROVE COGNITION IN OLDER ADULTS. <i>Revista Brasileira De Medicina Do Esporte</i> , 2019, 25, 71-75.	0.1	7
71	Early behavioral changes and quantitative analysis of neuropathological features in murine prion disease. <i>Prion</i> , 2011, 5, 215-227.	0.9	6
72	Aging and Environmental Enrichment Exacerbate Inflammatory Response on Antibody-Enhanced Dengue Disease in Immunocompetent Murine Model. <i>European Journal of Inflammation</i> , 2013, 11, 719-731.	0.2	6

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73	Hierarchical Cluster Analysis of Three-Dimensional Reconstructions of Unbiased Sampled Microglia Shows not Continuous Morphological Changes from Stage 1 to 2 after Multiple Dengue Infections in <i>Callithrix penicillata</i> . <i>Frontiers in Neuroanatomy</i> , 2016, 10, 23.	0.9	6
74	Granulocyte macrophage colony-stimulating factor alone reduces <i>Toxoplasma gondii</i> replication in microglial culture by superoxide and nitric oxide, without IFN- β production: a preliminary report. <i>Microbes and Infection</i> , 2018, 20, 385-390.	1.0	6
75	The Organization and Connections of Second Somatosensory Cortex in the Agouti. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 118.	0.9	6
76	Environmental Impoverishment, Aging, and Reduction in Mastication Affect Mouse Innate Repertoire to Explore Novel Environments and to Assess Risk. <i>Frontiers in Neuroscience</i> , 2019, 13, 107.	1.4	6
77	BALB/c female subjected to valproic acid during gestational period exhibited greater microglial and behavioral changes than male mice: A significant contra intuitive result. <i>International Journal of Developmental Neuroscience</i> , 2021, 81, 37-50.	0.7	6
78	Cortical representation of the horizon in V1 and peripheral scaling in mammals with lateral eyes.. <i>Psychology and Neuroscience</i> , 2011, 4, 19-27.	0.5	6
79	Hippocampus and dentate gyrus of the Cebus monkey: Architectonic and stereological study. <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 148-159.	1.0	5
80	Sedentary Life and Reduced Mastication Impair Spatial Learning and Memory and Differentially Affect Dentate Gyrus Astrocyte Subtypes in the Aged Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 632216.	1.4	5
81	Early and Late Pathogenic Events of Newborn Mice Encephalitis Experimentally Induced by Itacaiunas and Curionópolis Bracorhabdoviruses Infection. <i>PLoS ONE</i> , 2008, 3, e1733.	1.1	5
82	Environmental enrichment increases the number of telencephalic but not tectal cells of angelfish (<i>Pterophyllum scalare</i>): an exploratory investigation using optical fractionator. <i>Environmental Biology of Fishes</i> , 2020, 103, 847-857.	0.4	4
83	Changes in hippocampal astrocyte morphology of Ruddy turnstone (<i>Arenaria interpres</i>) during the wintering period at the mangroves of Amazon River estuary. <i>Journal of Chemical Neuroanatomy</i> , 2020, 108, 101805.	1.0	3
84	Plasticity in the hippocampal formation of shorebirds during the wintering period: Stereological analysis of parvalbumin neurons in <i>Actitis macularius</i> . <i>Learning and Behavior</i> , 2022, 50, 45-54.	0.5	3
85	Lateral septum microglial changes and behavioral abnormalities of mice exposed to valproic acid during the prenatal period. <i>Journal of Chemical Neuroanatomy</i> , 2021, 111, 101875.	1.0	2
86	Os dilemas do desenvolvimento científico e tecnológico brasileiro. <i>Ciencia E Saude Coletiva</i> , 2004, 9, 271-274.	0.1	2
87	Limbic Encephalitis Brain Damage Induced by Cocal Virus in Adult Mice Is Reduced by Environmental Enrichment: Neuropathological and Behavioral Studies. <i>Viruses</i> , 2021, 13, 48.	1.5	2
88	Cães domésticos predadores de ninho de batuãra bicuda (<i>Charadrius wilsonia</i>) no nordeste brasileiro. <i>Revista Da Biologia</i> , 2016, 16, 24-27.	0.2	2
89	The Sedentary Lifestyle and Masticatory Dysfunction: Time to Review the Contribution to Age-Associated Cognitive Decline and Astrocyte Morphotypes in the Dentate Gyrus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6342.	1.8	2
90	Exercise and food <i>ad libitum</i> reduce the impact of early in life nutritional imbalances on nitrenergic activity of hippocampus and striatum. <i>Nutritional Neuroscience</i> , 2007, 10, 215-228.	1.5	1

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91	Three dimensional morphometric analyses of axon terminals early changes induced by methylmercury intoxication in the adult cat striate cortex. <i>Brain Research</i> , 2008, 1244, 155-163.	1.1	1
92	Microglial Metamorphosis in Three Dimensions in Virus Limbic Encephalitis: An Unbiased Pictorial Representation Based on a Stereological Sampling Approach of Surveillant and Reactive Microglia. <i>Brain Sciences</i> , 2021, 11, 1009.	1.1	1
93	Single-pass measurement of the optical quality of the opossum eye.. <i>Psychology and Neuroscience</i> , 2011, 4, 7-9.	0.5	1
94	Early and late neuropathological features of meningoencephalitis associated with Maraba virus infection. <i>Brazilian Journal of Medical and Biological Research</i> , 2020, 53, e8604.	0.7	1
95	Unwanted Exacerbation of the Immune Response in Neurodegenerative Disease: A Time to Review the Impact. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 749595.	1.8	1
96	Behavioral and Neuropathological Changes After <i>Toxoplasma gondii</i> Ocular Conjunctival Infection in BALB/c Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 812152.	1.8	1
97	Morphometric analysis of feedforward pathways from the primary somatosensory area (S1) of rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2016, 49, e5115.	0.7	0