# Cristovam Diniz

List of Publications by Year
in descending order



| 97 | 1,974 | 257101 24 | 301761 39 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 107 | 107 | 107 | 1953 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plasticity in the hippocampal formation of shorebirds during the wintering period: Stereological analysis of parvalbumin neurons in Actitis macularius. Learning and Behavior, 2022, 50, 45-54. | 0.5 | 3 |
| 2 | Behavioral and Neuropathological Changes After Toxoplasma gondii Ocular Conjunctival Infection in BALB/c Mice. Frontiers in Cellular and Infection Microbiology, 2022, 12, 812152. | 1.8 | 1 |
| 3 | The Sedentary Lifestyle and Masticatory Dysfunction: Time to Review the Contribution to Age-Associated Cognitive Decline and Astrocyte Morphotypes in the Dentate Gyrus. International Journal of Molecular Sciences, 2022, 23, 6342. | 1.8 | 2 |
| 4 | Contrasting migratory journeys and changes in hippocampal astrocyte morphology in shorebirds. European Journal of Neuroscience, 2021, 54, 5687-5704. | 1.2 | 9 |
| 5 | Lateral septum microglial changes and behavioral abnormalities of mice exposed to valproic acid during the prenatal period. Journal of Chemical Neuroanatomy, 2021, 111, 101875. | 1.0 | 2 |
| 6 | BALB/c female subjected to valproic acid during gestational period exhibited greater microglial and behavioral changes than male mice: A significant contra intuitive result. International Journal of Developmental Neuroscience, 2021, 81, 37-50. | 0.7 | 6 |
| 7 | Dual-Task Exercise to Improve Cognition and Functional Capacity of Healthy Older Adults. Frontiers in Aging Neuroscience, 2021, 13, 589299. | 1.7 | 31 |
| 8 | Sedentary Life and Reduced Mastication Impair Spatial Learning and Memory and Differentially Affect Dentate Gyrus Astrocyte Subtypes in the Aged Mice. Frontiers in Neuroscience, 2021, 15, 632216. | 1.4 | 5 |
| 9 | Microglial Morphology Across Distantly Related Species: Phylogenetic, Environmental and Age Influences on Microglia Reactivity and Surveillance States. Frontiers in Immunology, 2021, 12, 683026. | 2.2 | 12 |
| 10 | Microglial Metamorphosis in Three Dimensions in Virus Limbic Encephalitis: An Unbiased Pictorial Representation Based on a Stereological Sampling Approach of Surveillant and Reactive Microglia. Brain Sciences, 2021, 11, 1009. | 1.1 | 1 |
| 11 | Limbic Encephalitis Brain Damage Induced by Cocal Virus in Adult Mice Is Reduced by Environmental Enrichment: Neuropathological and Behavioral Studies. Viruses, 2021, 13, 48. | 1.5 | 2 |
| 12 | Unwanted Exacerbation of the Immune Response in Neurodegenerative Disease: A Time to Review the Impact. Frontiers in Cellular Neuroscience, 2021, 15, 749595. | 1.8 | 1 |
| 13 | Longâ€term environmental enrichment reduces microglia morphological diversity of the molecular layer of dentate gyrus. European Journal of Neuroscience, 2020, 52, 4081-4099. | 1.2 | 13 |
| 14 | Changes in hippocampal astrocyte morphology of Ruddy turnstone (Arenaria interpres) during the wintering period at the mangroves of Amazon River estuary. Journal of Chemical Neuroanatomy, 2020, 108, 101805. | 1.0 | 3 |
| 15 | Environmental enrichment increases the number of telencephalic but not tectal cells of angelfish (Pterophyllum scalare): an exploratory investigation using optical fractionator. Environmental Biology of Fishes, 2020, 103, 847-857. | 0.4 | 4 |
| 16 | Environmental Enrichment Improved Learning and Memory, Increased Telencephalic Cell Proliferation, and Induced Differential Gene Expression in Colossoma macropomum. Frontiers in Pharmacology, 2020, 11, 840. | 1.6 | 11 |
| 17 | Early and late neuropathological features of meningoencephalitis associated with Maraba virus infection. Brazilian Journal of Medical and Biological Research, 2020, 53, e8604. | 0.7 | 1 |
| 18 | Stereological Analysis of Early Gene Expression Using Egr-1 Immunolabeling After Spreading Depression in the Rat Somatosensory Cortex. Frontiers in Neuroscience, 2019, 13, 1020. | 1.4 | 7 |

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|---|---|---|---|
| 19 | Differential Change in Hippocampal Radial Astrocytes and Neurogenesis in Shorebirds With Contrasting Migratory Routes. Frontiers in Neuroanatomy, 2019, 13, 82. | 0.9 | 7 |
| 20 | Small-scale environmental enrichment and exercise enhance learning and spatial memory of Carassius auratus, and increase cell proliferation in the telencephalon: an exploratory study. Brazilian Journal of Medical and Biological Research, 2019, 52, e8026. | 0.7 | 17 |
| 21 | Environmental Impoverishment, Aging, and Reduction in Mastication Affect Mouse Innate Repertoire to Explore Novel Environments and to Assess Risk. Frontiers in Neuroscience, 2019, 13, 107. | 1.4 | 6 |
| 22 | WATER-BASED EXERCISE AND RESISTANCE TRAINING IMPROVE COGNITION IN OLDER ADULTS. Revista Brasileira De Medicina Do Esporte, 2019, 25, 71-75. | 0.1 | 7 |
| 23 | Differential Microglial Morphological Response, TNFÎ±, and Viral Load in Sedentary-like and Active Murine Models After Systemic Non-neurotropic Dengue Virus Infection. Journal of Histochemistry and Cytochemistry, 2019, 67, 419-439. | 1.3 | 13 |
| 24 | The subtleties of cognitive decline in multiple sclerosis: an exploratory study using hierarchichal cluster analysis of CANTAB results. BMC Neurology, 2018, 18, 140. | 0.8 | 8 |
| 25 | Granulocyte macrophage colony-stimulating factor alone reduces Toxoplasma gondii replication in microglial culture by superoxide and nitric oxide, without IFN-Î³ production: a preliminary report. Microbes and Infection, 2018, 20, 385-390. | 1.0 | 6 |
| 26 | The Organization and Connections of Second Somatosensory Cortex in the Agouti. Frontiers in Neuroanatomy, 2018, 12, 118. | 0.9 | 6 |
| 27 | Age and Environment Influences on Mouse Prion Disease Progression: Behavioral Changes and Morphometry and Stereology of Hippocampal Astrocytes. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-18. | 1.9 | 8 |
| 28 | Influence of schooling and age on cognitive performance in healthy older adults. Brazilian Journal of Medical and Biological Research, 2017, 50, e5892. | 0.7 | 29 |
| 29 | Hippocampal Astrocytes in Migrating and Wintering Semipalmated Sandpiper Calidris pusilla. Frontiers in Neuroanatomy, 2017, 11, 126. | 0.9 | 20 |
| 30 | Hippocampal neurogenesis and volume in migrating and wintering semipalmated sandpipers (Calidris) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.1 | 17 |
| 31 | Microglia and neurons in the hippocampus of migratory sandpipers. Brazilian Journal of Medical and Biological Research, 2016, 49, e5005. | 0.7 | 20 |
| 32 | Morphometric analysis of feedforward pathways from the primary somatosensory area (S1) of rats. Brazilian Journal of Medical and Biological Research, 2016, 49, e5115. | 0.7 | 0 |
| 33 | Virus Infections on Prion Diseased Mice Exacerbate Inflammatory Microglial Response. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12. | 1.9 | 8 |
| 34 | 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 Callithrix penicillata. Frontiers in Neuroanatomy, 2016, 10, 23. | 0.9 | 6 |
| 35 | Antibodyâ€enhanced dengue disease generates a marked CNS inflammatory response in the blackâ€tufted marmoset Callithrix penicillata. Neuropathology, 2016, 36, 3-16. | 0.7 | 9 |
| 36 | Age, environment, object recognition and morphological diversity of GFAP-immunolabeled astrocytes. Behavioral and Brain Functions, 2016, 12, 28. | 1.4 | 45 |

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|---|---|---|---|
| 37 | CÃ£es domÃ©sticos predadores de ninho de batuÃra bicuda (Charadrius wilsonia) no nordeste brasileiro. Revista Da Biologia, 2016, 16, 24-27. | 0.2 | 2 |
| 38 | CANTAB object recognition and language tests to detect aging cognitive decline: an exploratory comparative study. Clinical Interventions in Aging, 2015, 10, 37. | 1.3 | 34 |
| 39 | Threeâ€dimensional morphometric analysis of microglial changes in a mouse model of virus encephalitis: age and environmental influences. European Journal of Neuroscience, 2015, 42, 2036-2050. | 1.2 | 22 |
| 40 | Beneficial effects of multisensory and cognitive stimulation in institutionalized elderly: 12-months follow-up. Clinical Interventions in Aging, 2015, 10, 1351. | 1.3 | 16 |
| 41 | Beneficial effects of multisensory and cognitive stimulation on age-related cognitive decline in long-term-care institutions. Clinical Interventions in Aging, 2014, 9, 309. | 1.3 | 35 |
| 42 | Topography and architecture of visual and somatosensory areas of the agouti. Journal of Comparative Neurology, 2014, 522, 2576-2593. | 0.9 | 12 |
| 43 | Visuospatial learning and memory in the Cebus apella and microglial morphology in the molecular layer of the dentate gyrus and CA1 lacunosum molecular layer. Journal of Chemical Neuroanatomy, 2014, 61-62, 176-188. | 1.0 | 21 |
| 44 | In vitrocytokines profile and ultrastructural changes of microglia and macrophages following interaction withLeishmania. Parasitology, 2014, 141, 1052-1063. | 0.7 | 10 |
| 45 | Enriched environment and masticatory activity rehabilitation recover spatial memory decline in aged mice. BMC Neuroscience, 2013, 14, 63. | 0.8 | 24 |
| 46 | Litter size, age-related memory impairments, and microglial changes in rat dentate gyrus: Stereological analysis and three dimensional morphometry. Neuroscience, 2013, 238, 280-296. | 1.1 | 22 |
| 47 | Aging and Environmental Enrichment Exacerbate Inflammatory Response on Antibody-Enhanced Dengue Disease in Immunocompetent Murine Model. European Journal of Inflammation, 2013, 11, 719-731. | 0.2 | 6 |
| 48 | Morphometric variability of nicotinamide adenine dinucleotide phosphate diaphorase neurons in the primary sensory areas of the rat. Neuroscience, 2012, 205, 140-153. | 1.1 | 26 |
| 49 | Dendritic structure varies as a function of eccentricity in V1: A quantitative study of NADPH diaphorase neurons in the diurnal South American rodent agouti, Dasyprocta prymnolopha. Neuroscience, 2012, 216, 94-102. | 1.1 | 10 |
| 50 | Spatial memory decline after masticatory deprivation and aging is associated with altered laminar distribution of CA1 astrocytes. BMC Neuroscience, 2012, 13, 23. | 0.8 | 28 |
| 51 | Dopaminergic cell populations of the rat substantia nigra are differentially affected by essential fatty acid dietary restriction over two generations. Journal of Chemical Neuroanatomy, 2012, 44, 66-75. | 1.0 | 15 |
| 52 | Differential vulnerability of substantia nigra and corpus striatum to oxidative insult induced by reduced dietary levels of essential fatty acids. Frontiers in Human Neuroscience, 2012, 6, 249. | 1.0 | 24 |
| 53 | Environmental influences on antibody-enhanced dengue disease outcomes. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 1021-1029. | 0.8 | 7 |
| 54 | Early behavioral changes and quantitative analysis of neuropathological features in murine prion disease. Prion, 2011, 5, 215-227. | 0.9 | 6 |

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|---|---|---|---|
| 55 | Influence of Enriched Environment on Viral Encephalitis Outcomes: Behavioral and Neuropathological Changes in Albino Swiss Mice. PLoS ONE, 2011, 6, e15597. | 1.1 | 32 |
| 56 | Single-pass measurement of the optical quality of the opossum eye.. Psychology and Neuroscience, 2011, 4, 7-9. | 0.5 | 1 |
| 57 | Cortical representation of the horizon in V1 and peripheral scaling in mammals with lateral eyes.. Psychology and Neuroscience, 2011, 4, 19-27. | 0.5 | 6 |
| 58 | Adult brain nitrergic activity after concomitant prenatal exposure to ethanol and methyl mercury. Acta Histochemica, 2010, 112, 583-591. | 0.9 | 8 |
| 59 | Morphological variability of NADPH diaphorase neurons across areas V1, V2, and V3 of the common agouti. Brain Research, 2010, 1318, 52-63. | 1.1 | 10 |
| 60 | Minocycline treatment reduces white matter damage after excitotoxic striatal injury. Brain Research, 2010, 1329, 182-193. | 1.1 | 40 |
| 61 | Environmental impoverishment and aging alter object recognition, spatial learning, and dentate gyrus astrocytes. European Journal of Neuroscience, 2010, 32, 509-519. | 1.2 | 76 |
| 62 | Hippocampus and dentate gyrus of the Cebus monkey: Architectonic and stereological study. Journal of Chemical Neuroanatomy, 2010, 40, 148-159. | 1.0 | 5 |
| 63 | S1 to S2 hind- and forelimb projections in the agouti somatosensory cortex: Axon fragments morphological analysis. Journal of Chemical Neuroanatomy, 2010, 40, 339-345. | 1.0 | 8 |
| 64 | Number and distribution of neurons in the retinal ganglion cell layer in relation to foraging behaviors of tyrant flycatchers. Journal of Comparative Neurology, 2009, 514, 66-73. | 0.9 | 77 |
| 65 | Diffuse Axonal Damage, Myelin Impairment, Astrocytosis and Inflammatory Response Following Microinjections of NMDA into The Rat Striatum. Inflammation, 2008, 31, 24-35. | 1.7 | 20 |
| 66 | Spatiotemporal distribution of proteoglycans in the developing rat's barrel field and the effects of early deafferentation. Journal of Comparative Neurology, 2008, 510, 145-157. | 0.9 | 10 |
| 67 | Inflammatory response and white matter damage after microinjections of endothelin-1 into the rat striatum. Brain Research, 2008, 1200, 78-88. | 1.1 | 35 |
| 68 | Three dimensional morphometric analyses of axon terminals early changes induced by methylmercury intoxication in the adult cat striate cortex. Brain Research, 2008, 1244, 155-163. | 1.1 | 1 |
| 69 | Histochemical characterization, distribution and morphometric analysis of NADPH diaphorase neurons in the spinal cord of the agouti. Frontiers in Neuroanatomy, 2008, 2, 2. | 0.9 | 7 |
| 70 | Early and Late Pathogenic Events of Newborn Mice Encephalitis Experimentally Induced by Itacaiunas and CurionÃ³polis Bracorhabdoviruses Infection. PLoS ONE, 2008, 3, e1733. | 1.1 | 5 |
| 71 | The Organizational Variability of the Rodent Somatosensory Cortex. Reviews in the Neurosciences, 2007, 18, 283-94. | 1.4 | 24 |
| 72 | Exercise and foodad libitumreduce the impact of early in life nutritional inbalances on nitrergic activity of hippocampus and striatum. Nutritional Neuroscience, 2007, 10, 215-228. | 1.5 | 1 |

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|---|---|---|---|
| 73 | Differential effects of methylmercury intoxication in the rat's barrel field as evidenced by NADPH diaphorase histochemistry. NeuroToxicology, 2007, 28, 175-181. | 1.4 | 24 |
| 74 | Callosal axon arbors in the limb representations of the somatosensory cortex (SI) in the agouti (Dasyprocta primnolopha). Journal of Comparative Neurology, 2007, 500, 255-266. | 0.9 | 24 |
| 75 | Differential patterns of inflammatory response, axonal damage and myelin impairment following excitotoxic or ischemic damage to the trigeminal spinal nucleus of adult rats. Brain Research, 2007, 1172, 130-144. | 1.1 | 16 |
| 76 | Neurotropism and neuropathological effects of selected rhabdoviruses on intranasally-infected newborn mice. Acta Tropica, 2006, 97, 126-139. | 0.9 | 15 |
| 77 | NADPH-diaphorase histochemical changes in the hippocampus, cerebellum and striatum are correlated with different modalities of exercise and watermaze performances. Experimental Brain Research, 2006, 175, 292-304. | 0.7 | 20 |
| 78 | l-arginine treatment early in life influences NADPH-diaphorase neurons in visual cortex of normal and early-malnourished adult rats. Brain Research, 2006, 1072, 19-25. | 1.1 | 7 |
| 79 | Specialization of pyramidal cell structure in the visual areas V1, V2 and V3 of the South American rodent, Dasyprocta primnolopha. Brain Research, 2006, 1106, 99-110. | 1.1 | 35 |
| 80 | Systematic analysis of axonal damage and inflammatory response in different white matter tracts of acutely injured rat spinal cord. Brain Research, 2005, 1066, 57-70. | 1.1 | 43 |
| 81 | Neuropil reactivity, distribution and morphology of NADPH diaphorase type I neurons in the barrel cortex of the adult mouse. Journal of Chemical Neuroanatomy, 2005, 30, 71-81. | 1.0 | 24 |
| 82 | NADPH-diaphorase Histochemical Labeling Patterns in the Hippocampal Neuropil and Visual Cortical Neurons in Weaned Rats Reared during Lactation on Different Litter Sizes. Nutritional Neuroscience, 2004, 7, 207-216. | 1.5 | 15 |
| 83 | Neuropil and neuronal changes in hippocampal NADPH-diaphorase histochemistry in the ME7 model of murine prion disease. Neuropathology and Applied Neurobiology, 2004, 30, 292-303. | 1.8 | 11 |
| 84 | Astrocytosis, microglia activation, oligodendrocyte degeneration, and pyknosis following acute spinal cord injury. Experimental Neurology, 2004, 190, 456-467. | 2.0 | 74 |
| 85 | A morphometric study of the progressive changes on NADPH diaphorase activity in the developing ratâ€™s barrel field. Neuroscience Research, 2004, 50, 55-66. | 1.0 | 25 |
| 86 | Os dilemas do desenvolvimento cientÃfico e tecnolÃ³gico brasileiro. Ciencia E Saude Coletiva, 2004, 9, 271-274. | 0.1 | 2 |
| 87 | Synaptic changes characterize early behavioural signs in the ME7 model of murine prion disease. European Journal of Neuroscience, 2003, 17, 2147-2155. | 1.2 | 243 |
| 88 | Computer-assisted morphometric analysis of intrinsic axon terminals in the supragranular layers of cat striate cortex. Anatomy and Embryology, 2002, 205, 291-300. | 1.5 | 9 |
| 89 | The barrel field of the adult mouse Sml cortex as revealed by NADPH-diaphorase histochemistry. NeuroReport, 2000, 11, 1889-1892. | 0.6 | 24 |
| 90 | Permanent and transitory morphometric changes of NADPH-diaphorase-containing neurons in the rat visual cortex after early malnutrition. Brain Research Bulletin, 2000, 53, 193-201. | 1.4 | 26 |

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|---|---|---|---|
| 91 | Effects of Methyl Mercury on thein VivoRelease of Dopamine and Its Acidic Metabolites DOPAC and HVA from Striatum of Rats. Ecotoxicology and Environmental Safety, 1997, 38, 95-98. | 2.9 | 32 |
| 92 | Late development of Zif268 ocular dominance columns in primary visual cortex of primates. Brain Research, 1996, 732, 237-241. | 1.1 | 14 |
| 93 | 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. Neuroscience, 1991, 44, 325-333. | 1.1 | 32 |
| 94 | Displaced horizontal cells and biplexiform horizontal cells in the mammalian retina. Visual Neuroscience, 1989, 3, 483-488. | 0.5 | 29 |
| 95 | Distribution and size of ganglion cells in the retinae of large Amazon rodents. Visual Neuroscience, 1989, 2, 221-235. | 0.5 | 52 |
| 96 | Retinal ganglion cell distribution in the cebus monkey: A comparison with the cortical magnification factors. Vision Research, 1989, 29, 1471-1483. | 0.7 | 91 |
| 97 | Contrast sensitivity function and visual acuity of the opossum. Vision Research, 1982, 22, 1371-1377. | 0.7 | 33 |