

Oscar Gonzalez-Perez

List of Publications by Year in descending order

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74
papers

4,244
citations

186265
28
h-index

110387
64
g-index

79
all docs

79
docs citations

79
times ranked

5288
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of Oligodendrocytes in the Subventricular Zone of the Adult Brain. <i>Journal of Neuroscience</i> , 2006, 26, 7907-7918.	3.6	872
2	New Neurons Follow the Flow of Cerebrospinal Fluid in the Adult Brain. <i>Science</i> , 2006, 311, 629-632.	12.6	708
3	Cellular composition and cytoarchitecture of the adult human subventricular zone: A niche of neural stem cells. <i>Journal of Comparative Neurology</i> , 2006, 494, 415-434.	1.6	501
4	Epidermal Growth Factor Induces the Progeny of Subventricular Zone Type B Cells to Migrate and Differentiate into Oligodendrocytes. <i>Stem Cells</i> , 2009, 27, 2032-2043.	3.2	196
5	Oligodendrogenesis in the subventricular zone and the role of epidermal growth factor. <i>Brain Research Reviews</i> , 2011, 67, 147-156.	9.0	138
6	Magnetic resonance imaging of the migration of neuronal precursors generated in the adult rodent brain. <i>NeuroImage</i> , 2006, 32, 1150-1157.	4.2	137
7	Five Decades of Cuprizone, an Updated Model to Replicate Demyelinating Diseases. <i>Current Neuropharmacology</i> , 2019, 17, 129-141.	2.9	116
8	Responses of Glial Cells to Stress and Glucocorticoids. <i>Current Immunology Reviews</i> , 2010, 6, 195-204.	1.2	103
9	Immunological regulation of neurogenic niches in the adult brain. <i>Neuroscience</i> , 2012, 226, 270-281.	2.3	76
10	The role of EGFR and ErbB family related proteins in the oligodendrocyte specification in germinal niches of the adult mammalian brain. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 258.	3.7	76
11	Growth factors as clinical biomarkers of prognosis and diagnosis in psychiatric disorders. <i>Cytokine and Growth Factor Reviews</i> , 2016, 32, 85-96.	7.2	75
12	Cytoarchitecture of the lateral ganglionic eminence and rostral extension of the lateral ventricle in the human fetal brain. <i>Journal of Comparative Neurology</i> , 2011, 519, 1165-1180.	1.6	71
13	Beneficial effects of α -lipoic acid plus vitamin E on neurological deficit, reactive gliosis and neuronal remodeling in the penumbra of the ischemic rat brain. <i>Neuroscience Letters</i> , 2002, 321, 100-104.	2.1	63
14	Dose-dependent effect of EGF on migration and differentiation of adult subventricular zone astrocytes. <i>Glia</i> , 2010, 58, 975-983.	4.9	61
15	The Human Brain Subventricular Zone: Stem Cells in This Niche and Its Organization. <i>Neurosurgery Clinics of North America</i> , 2007, 18, 15-20.	1.7	58
16	Intra-operatively obtained human tissue: Protocols and techniques for the study of neural stem cells. <i>Journal of Neuroscience Methods</i> , 2009, 180, 116-125.	2.5	44
17	Subventricular Zone Localized Irradiation Affects the Generation of Proliferating Neural Precursor Cells and the Migration of Neuroblasts. <i>Stem Cells</i> , 2012, 30, 2548-2560.	3.2	42
18	An α -lipoic acid-vitamin E mixture reduces post-embolism lipid peroxidation, cerebral infarction, and neurological deficit in rats. <i>Neuroscience Research</i> , 2003, 47, 219-224.	1.9	40

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19	Therapeutic perspectives on the combination of α -lipoic acid and vitamin E. Nutrition Research, 2006, 26, 1-5.	2.9	40
20	Alterations of Growth Factors in Autism and Attention-Deficit/Hyperactivity Disorder. Frontiers in Psychiatry, 2017, 8, 126.	2.6	40
21	Role of Oligodendrocytes and Myelin in the Pathophysiology of Autism Spectrum Disorder. Brain Sciences, 2020, 10, 951.	2.3	40
22	Immune System Modulates the Function of Adult Neural Stem Cells. Current Immunology Reviews, 2010, 6, 167-173.	1.2	38
23	Ethical Implications in the Use of Embryonic and Adult Neural Stem Cells. Stem Cells International, 2012, 2012, 1-7.	2.5	38
24	Chronic exposure of juvenile rats to environmental noise impairs hippocampal cell proliferation in adulthood. Noise and Health, 2011, 13, 286.	0.5	35
25	Oral Administration of Prednisone to Control Refractory Vertigo in Ménière's Disease: A Pilot Study. Otology and Neurotology, 2005, 26, 1022-1026.	1.3	34
26	The Subventricular Zone Is Able to Respond to a Demyelinating Lesion After Localized Radiation. Stem Cells, 2014, 32, 59-69.	3.2	33
27	Stress by noise produces differential effects on the proliferation rate of radial astrocytes and survival of neuroblasts in the adult subgranular zone. Neuroscience Research, 2011, 70, 243-250.	1.9	31
28	Neural stem cells in the adult human brain. Biological and Biomedical Reports, 2012, 2, 59-69.	3.0	31
29	Preservation of glial cytoarchitecture from ex vivo human tumor and non-tumor cerebral cortical explants: A human model to study neurological diseases. Journal of Neuroscience Methods, 2007, 164, 261-270.	2.5	30
30	Prednisone Induces Cognitive Dysfunction, Neuronal Degeneration, and Reactive Gliosis in Rats. Journal of Investigative Medicine, 2002, 50, 458-464.	1.6	29
31	Immunological control of adult neural stem cells. Journal of Stem Cells, 2010, 5, 23-31.	1.0	29
32	Astrocytes as neural stem cells in the adult brain. Journal of Stem Cells, 2012, 7, 181-8.	1.0	28
33	Rapid Eye Movement Sleep Deprivation Produces Long-Term Detrimental Effects in Spatial Memory and Modifies the Cellular Composition of the Subgranular Zone. Frontiers in Cellular Neuroscience, 2016, 10, 132.	3.7	27
34	Sex-related effects of sleep deprivation on depressive- and anxiety-like behaviors in mice. Experimental Animals, 2016, 65, 97-107.	1.1	27
35	Role of Fibroblast Growth Factor Receptors in Astrocytic Stem Cells. Current Signal Transduction Therapy, 2012, 7, 81-86.	0.5	22
36	Targeting of Deep Brain Structures with Microinjections for Delivery of Drugs, Viral Vectors, or Cell Transplants. Journal of Visualized Experiments, 2010, , .	0.3	21

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37	Deflazacort: A glucocorticoid with few metabolic adverse effects but important immunosuppressive activity. <i>Advances in Therapy</i> , 2007, 24, 1052-1060.	2.9	20
38	Long-term hydrocephalus alters the cytoarchitecture of the adult subventricular zone. <i>Experimental Neurology</i> , 2014, 261, 236-244.	4.1	17
39	A Novel Experimental Animal Model of Adult Chronic Hydrocephalus. <i>Neurosurgery</i> , 2016, 79, 746-756.	1.1	17
40	Neurogenesis in Alzheimers Disease: A Realistic Alternative to Neuronal Degeneration?. <i>Current Signal Transduction Therapy</i> , 2011, 6, 314-319.	0.5	17
41	Melatonin modifies SOX2 ⁺ cell proliferation in dentate gyrus and modulates SIRT1 and MECP2 in long-term sleep deprivation. <i>Neural Regeneration Research</i> , 2019, 14, 1787.	3.0	15
42	Prophylactic Role of Oral Melatonin Administration on Neurogenesis in Adult Balb/C Mice during REM Sleep Deprivation. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	4.0	14
43	Fifteen-year trends of long-term disability and sick leaves in ankylosing spondylitis. <i>Clinical Rheumatology</i> , 2011, 30, 361-367.	2.2	13
44	Astrocytes: everything but the glue. <i>Neuroimmunology and Neuroinflammation</i> , 2015, 2, 115.	1.4	13
45	Permanent Whisker Removal Reduces the Density of c-Fos+ Cells and the Expression of Calbindin Protein, Disrupts Hippocampal Neurogenesis and Affects Spatial-Memory-Related Tasks. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 132.	3.7	11
46	Regulation of Neural Stem Cells in the Human SVZ by Trophic and Morphogenic Factors. <i>Current Signal Transduction Therapy</i> , 2011, 6, 320-326.	0.5	10
47	Cyclohexane Produces Behavioral Deficits Associated with Astroglisis and Microglial Reactivity in the Adult Hippocampus Mouse Brain. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 503-512.	3.3	10
48	Deflazacort induced stronger immunosuppression than expected. <i>Clinical Rheumatology</i> , 2007, 26, 935-940.	2.2	9
49	A high-fat diet during pregnancy impairs memory acquisition and increases leptin receptor expression in the hippocampus of rat offspring. <i>Nutritional Neuroscience</i> , 2022, 25, 146-158.	3.1	9
50	Neural Stem Cells in the Adult Brain: From Benchside to Clinic. <i>Stem Cells International</i> , 2012, 2012, 1-2.	2.5	8
51	Phenytoin enhances the phosphorylation of epidermal growth factor receptor and fibroblast growth factor receptor in the subventricular zone and promotes the proliferation of neural precursor cells and oligodendrocyte differentiation. <i>European Journal of Neuroscience</i> , 2016, 43, 139-147.	2.6	8
52	Prednisone Induces Cognitive Dysfunction, Neuronal Degeneration, and Reactive Gliosis in Rats. <i>Journal of Investigative Medicine</i> , 2002, 50, 458.	1.6	8
53	Biopsychological correlates of repetitive and restricted behaviors in autism spectrum disorders. <i>Brain and Behavior</i> , 2021, 11, e2341.	2.2	7
54	Gold nanoparticles produce transient reactive gliosis in the adult brain. <i>Neuroscience Research</i> , 2021, 170, 76-86.	1.9	7

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55	Neurobiological approaches of high-fat diet intake in early development and their impact on mood disorders in adulthood: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 129, 218-230.	6.1	7
56	Astrogliosis is temporally correlated with enhanced neurogenesis in adult rat hippocampus following a glucoprivic insult. <i>Neuroscience Letters</i> , 2009, 459, 109-114.	2.1	6
57	Cyclohexane, a Potential Drug of Abuse with Pernicious Effects on the Brain. <i>Frontiers in Pharmacology</i> , 2015, 6, 291.	3.5	6
58	Cyclohexane Inhalation Produces Long-Lasting Alterations in the Hippocampal Integrity and Reward-Seeking Behavior in the Adult Mouse. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 435-449.	3.3	6
59	Emerging roles of microglia cells in the regulation of adult neural stem cells. <i>Neuroimmunology and Neuroinflammation</i> , 2016, 3, 204.	1.4	6
60	The ventricular-subventricular zone: a source of oligodendrocytes in the adult brain. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 137.	3.7	4
61	Phenytoin promotes the proliferation of oligodendrocytes and enhances the expression of myelin basic protein in the corpus callosum of mice demyelinated by cuprizone. <i>Experimental Brain Research</i> , 2022, 240, 1617-1627.	1.5	4
62	Editorial [Hot topic: Immunological Regulation of the Central Nervous System: From Physiological to Pathological Processes (Guest Editor: Óscar Gonzalez-Perez)]. <i>Current Immunology Reviews</i> , 2010, 6, 149-149.	1.2	3
63	Diphenylhydantoin Promotes Proliferation in The Subventricular Zone and Dentate Gyrus. <i>American Journal of Neuroscience</i> , 2012, 3, 1-9.	0.4	3
64	Characterization of a mouse model of chronic hydrocephalus induced by partial occlusion of the aqueduct of Sylvius in the adult brain. <i>Journal of Neuroscience Methods</i> , 2021, 362, 109294.	2.5	3
65	X-ray Photoelectron Spectroscopy Study of Interactions Between Gold Nanoparticles and Epidermal Growth Factor for Potential Use in Biomedicine. <i>Journal of Bionanoscience</i> , 2017, 11, 141-147.	0.4	3
66	Chronic exposure to cyclohexane induces stereotypic circling, hyperlocomotion, and anxiety-like behavior associated with atypical c-Fos expression in motor- and anxiety-related brain regions. <i>Behavioural Brain Research</i> , 2022, 418, 113664.	2.2	3
67	Tactile information from the vibrissal system modulates hippocampal functioning. <i>Current Research in Neurobiology</i> , 2022, 3, 100034.	2.3	3
68	EGF-Coupled Gold Nanoparticles Increase the Expression of CNPase and the Myelin-Associated Proteins MAG, MOG, and MBP in the Septal Nucleus Demyelinated by Cuprizone. <i>Life</i> , 2022, 12, 333.	2.4	3
69	Cellular Organization of the Subventricular Zone in the Adult Human Brain: A Niche of Neural Stem Cells. , 2012, , .		1
70	Deflazacort in rheumatology: Where does it stand?. <i>Indian Journal of Rheumatology</i> , 2014, 9, 161-162.	0.4	1
71	The Dietary Antioxidants Alpha-Tocopherol and Alpha-Lipoic Acid and Their Synergy in Brain Disorders. , 2011, , 1911-1921.		1
72	Cellular Composition and Cytoarchitecture of the Adult Human Subventricular Zone: A Niche of Stem Cells. <i>Neurosurgery</i> , 2005, 57, 427-427.	1.1	0

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73	Editorial [Hot Topic:Role of Neural Stem Cells in Neurodegenerative Diseases:From the Molecule and Cell to the Clinic (Guest Editor: Oscar Gonzalez-Perez)]. Current Signal Transduction Therapy, 2011, 6, 292-292.	0.5	0
74	Glial plasticity after hexahydrobenzene exposure. Neural Regeneration Research, 2016, 11, 404.	3.0	0