Ricardo Pardal

List of Publications by Year
in descending order

51 papers	8,704 citations	27 h-index (201385)	49 g-index (197535)
95 all docs	95 docs citations	95 times ranked	9364 citing authors

#	Article	IF	Citations
1	Fusion of bone-marrow-derived cells with Purkinje neurons, cardiomyocytes and hepatocytes. Nature, 2003, 425, 968-973.	13.7	1,545
2	Applying the principles of stem-cell biology to cancer. Nature Reviews Cancer, 2003, 3, 895-902.	12.8	1,516
3	Bmi-1 dependence distinguishes neural stem cell self-renewal from progenitor proliferation. Nature, 2003, 425, 962-967.	13.7	1,217
4	Increasing p16INK4a expression decreases forebrain progenitors and neurogenesis during ageing. Nature, 2006, 443, 448-452.	13.7	895
5	Bmi-1 promotes neural stem cell self-renewal and neural development but not mouse growth and survival by repressing the p16Ink4a and p19Arf senescence pathways. Genes and Development, 2005, 19, 1432-1437.	2.7	535
6	Cellular Mechanism of Oxygen Sensing. Annual Review of Physiology, 2001, 63, 259-287.	5.6	505
7	Glia-like Stem Cells Sustain Physiologic Neurogenesis in the Adult Mammalian Carotid Body. Cell, 2007, 131, 364-377.	13.5	293
8	Diverse mechanisms regulate stem cell self-renewal. Current Opinion in Cell Biology, 2004, 16, 700-707.	2.6	290
9	Hirschsprung Disease Is Linked to Defects in Neural Crest Stem Cell Function. Science, 2003, 301, 972-976.	6.0	206
10	Low glucoseâ€“sensing cells in the carotid body. Nature Neuroscience, 2002, 5, 197-198.	7.1	187
11	Secretory responses of intact glomus cells in thin slices of rat carotid body to hypoxia and tetraethylammonium. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 2361-2366.	3.3	122
12	Stem Cell Self-Renewal and Cancer Cell Proliferation Are Regulated by Common Networks That Balance the Activation of Proto-oncogenes and Tumor Suppressors. Cold Spring Harbor Symposia on Quantitative Biology, 2005, 70, 177-185.	2.0	119
13	Carotid body oxygen sensing. European Respiratory Journal, 2008, 32, 1386-1398.	3.1	113
14	Rotenone selectively occludes sensitivity to hypoxia in rat carotid body glomus cells. Journal of Physiology, 2003, 548, 789-800.	1.3	108
15	Autotransplantation of Human Carotid Body Cell Aggregates for Treatment of Parkinson's Disease. Neurosurgery, 2003, 53, 321-330.	0.6	99
16	Oxygen sensing by the carotid body: mechanisms and role in adaptation to hypoxia. American Journal of Physiology - Cell Physiology, 2016, 310, C629-C642.	2.1	99
17	An O2-Sensitive Glomus Cell-Stem Cell Synapse Induces Carotid Body Growth in Chronic Hypoxia. Cell, 2014, 156, 291-303.	13.5	88
18	Trophic Restoration of the Nigrostriatal Dopaminergic Pathway in Long-Term Carotid Body-Grafted Parkinsonian Rats. Journal of Neuroscience, 2003, 23, 141-148.	1.7	82

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19	K+ and Ca2+ channel activity and cytosolic [Ca2+] in oxygen-sensing tissues. Respiration Physiology, 1999, 115, 215-227.	2.8	67
20	Cellular properties and chemosensory responses of the human carotid body. Journal of Physiology, 2013, 591, 6157-6173.	1.3	54
21	Oxygen-sensing by arterial chemoreceptors: Mechanisms and medical translation. Molecular Aspects of Medicine, 2016, 47-48, 90-108.	2.7	50
22	Physiological Plasticity of Neural-Crest-Derived Stem Cells in the Adult Mammalian Carotid Body. Cell Reports, 2017, 19, 471-478.	2.9	43
23	Collapse of Conductance Is Prevented by a Glutamate Residue Conserved in Voltage-Dependent K+ Channels. Journal of General Physiology, 2000, 116, 181-190.	0.9	35
24	Oxygen Sensing in the Carotid Body. Annals of the New York Academy of Sciences, 2009, 1177, 119-131.	1.8	34
25	Resistance of gliaâ€like central and peripheral neural stem cells to genetically induced mitochondrial dysfunctionâ€"differential effects on neurogenesis. EMBO Reports, 2015, 16, 1511-1519.	2.0	34
26	CD44-high neural crest stem-like cells are associated with tumour aggressiveness and poor survival in neuroblastoma tumours. EBioMedicine, 2019, 49, 82-95.	2.7	32
27	Carotid body thin slices: responses of glomus cells to hypoxia and K+-channel blockers. Respiratory Physiology and Neurobiology, 2002, 132, 69-79.	0.7	28
28	Dopaminergic cells of the carotid body: physiological significance and possible therapeutic applications in Parkinsonâ€™s disease. Brain Research Bulletin, 2002, 57, 847-853.	1.4	26
29	Loss of postnatal quiescence of neural stem cells through mTOR activation upon genetic removal of cysteine string protein-Î±. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8000-8009.	3.3	26
30	The neurogenic niche in the carotid body and its applicability to antiparkinsonian cell therapy. Journal of Neural Transmission, 2009, 116, 975-982.	1.4	25
31	Fast neurogenesis from carotid body quiescent neuroblasts accelerates adaptation to hypoxia. EMBO Reports, 2018, 19, .	2.0	25
32	Carotid body oxygen sensing and adaptation to hypoxia. Pflugers Archiv European Journal of Physiology, 2016, 468, 59-70.	1.3	24
33	Gene Expression Profiling Supports the Neural Crest Origin of Adult Rodent Carotid Body Stem Cells and Identifies CD10 as a Marker for Mesectoderm-Committed Progenitors. Stem Cells, 2016, 34, 1637-1650.	1.4	22
34	Hypoxia in the Initiation and Progression of Neuroblastoma Tumours. International Journal of Molecular Sciences, 2020, 21, 39.	1.8	21
35	Neural Stem Cells and Transplantation Studies in Parkinsonâ€™s Disease. Advances in Experimental Medicine and Biology, 2012, 741, 206-216.	0.8	18
36	Resistance of subventricular neural stem cells to chronic hypoxemia despite structural disorganization of the germinal center and impairment of neuronal and oligodendrocyte survival. Hypoxia (Auckland, N Z), 2015, 3, 15.	1.9	18

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37	Mature neurons modulate neurogenesis through chemical signals acting on neural stem cells. Development Growth and Differentiation, 2016, 58, 456-462.	0.6	17
38	Identification of VRK1 as a New Neuroblastoma Tumor Progression Marker Regulating Cell Proliferation. Cancers, 2020, 12, 3465.	1.7	15
39	The atheroma plaque secretome stimulates the mobilization of endothelial progenitor cells ex vivo. Journal of Molecular and Cellular Cardiology, 2017, 105, 12-23.	0.9	14
40	Role and therapeutic potential of vascular stem/progenitor cells in pathological neovascularisation during chronic portal hypertension. Gut, 2017, 66, 1306-1320.	6.1	14
41	Studies on Glomus Cell Sensitivity to Hypoxia in Carotid Body Slices. Advances in Experimental Medicine and Biology, 2003, 536, 65-73.	0.8	9
42	The carotid body: a physiologically relevant germinal niche in the adult peripheral nervous system. Cellular and Molecular Life Sciences, 2019, 76, 1027-1039.	2.4	8
43	Neurotrophic Properties, Chemosensory Responses and Neurogenic Niche of the Human Carotid Body. Advances in Experimental Medicine and Biology, 2015, 860, 139-152.	0.8	5
44	Progenitor Cell Heterogeneity in the Adult Carotid Body Germinal Niche. Advances in Experimental Medicine and Biology, 2019, 1123, 19-38.	0.8	5
45	Neurotransmitter Modulation of Carotid Body Germinal Niche. International Journal of Molecular Sciences, 2020, 21, 8231.	1.8	5
46	Neural crest derived progenitor cells contribute to tumor stroma and aggressiveness in stage 4/M neuroblastoma. Oncotarget, 2017, 8, 89775-89792.	0.8	4
47	Glucose Sensing Cells in the Carotid Body. Advances in Experimental Medicine and Biology, 2003, 536, 47-53.	0.8	3
48	Understanding our own neural stem cells in situ: can we benefit from them?. Frontiers in Bioscience - Landmark, 2007, 12, 3125.	3.0	1
49	Oxygen Sensing, Oxygen-sensitive Ion Channels and Mitochondrial Function in Arterial Chemoreceptors. , 2004, , 361-373.		1
50	Response to â€œHigh CD44 expression is not a prognosis marker in patients with high-risk neuroblastomaâ€. EBioMedicine, 2020, 53, 102703.	2.7	0
51	A protocol to enrich in undifferentiated cells from neuroblastoma tumor tissue samples and cell lines. STAR Protocols, 2022, 3, 101260.	0.5	0