Sergio Rey

List of Publications by Year in descending order

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39 papers	3,635 citations	236925 25 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	5832 citing authors

#	Article	IF	Citations
1	Digoxin and other cardiac glycosides inhibit HIF-1Î± synthesis and block tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19579-19586.	7.1	568
2	Hypoxia-inducible factor-1-dependent mechanisms of vascularization and vascular remodelling. Cardiovascular Research, 2010, 86, 236-242.	3.8	443
3	Acriflavine inhibits HIF-1 dimerization, tumor growth, and vascularization. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17910-17915.	7.1	426
4	Anthracycline chemotherapy inhibits HIF-1 transcriptional activity and tumor-induced mobilization of circulating angiogenic cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2353-2358.	7.1	275
5	Effects of Aging and Hypoxia-Inducible Factor-1 Activity on Angiogenic Cell Mobilization and Recovery of Perfusion After Limb Ischemia. Circulation Research, 2007, 101, 1310-1318.	4.5	266
6	Chronic intermittent hypoxia enhances cat chemosensory and ventilatory responses to hypoxia. Journal of Physiology, 2004, 560, 577-586.	2.9	184
7	Hypoxia-inducible factor 1-dependent expression of platelet-derived growth factor B promotes lymphatic metastasis of hypoxic breast cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2707-16.	7.1	180
8	Molecular targeting of hypoxia in radiotherapy. Advanced Drug Delivery Reviews, 2017, 109, 45-62.	13.7	146
9	Synergistic effect of HIF-1Î± gene therapy and HIF-1-activated bone marrow-derived angiogenic cells in a mouse model of limb ischemia. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20399-20404.	7.1	115
10	A Nontranscriptional Role for HIF-1Î± as a Direct Inhibitor of DNA Replication. Science Signaling, 2013, 6, ra10.	3.6	95
11	Targeting Hypoxia-Inducible Factors for Antiangiogenic Cancer Therapy. Trends in Cancer, 2017, 3, 529-541.	7.4	84
12	Contribution of endothelin-1 to the enhanced carotid body chemosensory responses induced by chronic intermittent hypoxia. Brain Research, 2006, 1086, 152-159.	2.2	82
13	Lipopolysaccharideâ€induced carotid body inflammation in cats: functional manifestations, histopathology and involvement of tumour necrosis factorâ€Î±. Experimental Physiology, 2008, 93, 892-907.	2.0	63
14	Matrix Rigidity Controls Endothelial Differentiation and Morphogenesis of Cardiac Precursors. Science Signaling, 2012, 5, ra41.	3.6	60
15	Cell-Autonomous Metabolic Reprogramming in Hypoxia. Trends in Cell Biology, 2018, 28, 128-142.	7.9	60
16	Metabolic reprogramming by HIF-1 promotes the survival of bone marrowâ€“derived angiogenic cells in ischemic tissue. Blood, 2011, 117, 4988-4998.	1.4	57
17	Aging impairs the mobilization and homing of bone marrow-derived angiogenic cells to burn wounds. Journal of Molecular Medicine, 2011, 89, 985-995.	3.9	51
18	Hypoxic pathobiology of breast cancer metastasis. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1868, 239-245.	7.4	44

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19	Root to leaf electrical signaling in avocado in response to light and soil water content. Journal of Plant Physiology, 2008, 165, 1070-1078.	3.5	40
20	Expression and Immunolocalization of Endothelin Peptides and Its Receptors, ETA and ETB, in the Carotid Body Exposed to Chronic Intermittent Hypoxia. Journal of Histochemistry and Cytochemistry, 2007, 55, 167-174.	2.5	37
21	Inhibitory effects of NO on carotid body: contribution of neural and endothelial nitric oxide synthase isoforms. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L57-L68.	2.9	36
22	Dynamic time-varying analysis of heart rate and blood pressure variability in cats exposed to short-term chronic intermittent hypoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R28-R37.	1.8	33
23	Cardiovascular and ventilatory acclimatization induced by chronic intermittent hypoxia: A role for the carotid body in the pathophysiology of sleep apnea. Biological Research, 2005, 38, 335-40.	3.4	31
24	Expression of Kallikrein, Bradykinin B2 Receptor, and Endothelial Nitric Oxide Synthase in Placenta in Normal Gestation, Preeclampsia, and Placenta Accreta. Endocrine, 2006, 29, 491-500.	2.2	29
25	Integration of hypoxic HIF-Î± signaling in blood cancers. Oncogene, 2017, 36, 5331-5340.	5.9	28
26	Endothelins and Nitric Oxide: Vasoactive Modulators of Carotid Body Chemoreception. Current Neurovascular Research, 2004, 1, 465-473.	1.1	27
27	Tie2-dependent knockout of HIF-1 impairs burn wound vascularization and homing of bone marrow-derived angiogenic cells. Cardiovascular Research, 2012, 93, 162-169.	3.8	26
28	Hypoxia: Turning vessels into vassals of cancer immunotolerance. Cancer Letters, 2020, 487, 74-84.	7.2	22
29	Spatio-temporal expression of MMP-2, MMP-9 and tissue kallikrein in uteroplacental units of the pregnant guinea-pig (Cavia porcellus). Reproductive Biology and Endocrinology, 2007, 5, 27.	3.3	21
30	A Î²-galactosidase probe for the detection of cellular senescence by mass cytometry. Organic and Biomolecular Chemistry, 2017, 15, 6388-6392.	2.8	21
31	Metronomic chemotherapy offsets HIFÎ± induction upon maximumâ€tolerated dose in metastatic cancers. EMBO Molecular Medicine, 2020, 12, e11416.	6.9	20
32	Endothelins in the cat petrosal ganglion and carotid body: Effects and immunolocalization. Brain Research, 2006, 1069, 154-158.	2.2	19
33	Sodium nitroprusside blocks the cat carotid chemosensory inhibition induced by dopamine, but not that by hyperoxia. Brain Research, 1998, 799, 26-34.	2.2	16
34	Contribution of Endothelin-1 and Endothelin A and B Receptors to the Enhanced Carotid Body Chemosensory Responses Induced by Chronic Intermittent Hypoxia. Advances in Experimental Medicine and Biology, 2008, 605, 228-232.	1.6	13
35	Chronic Intermittent Hypoxia Enhances Carotid Body Chemosensory Responses to Acute Hypoxia. , 2006, 580, 227-232.		6
36	Role of Endothelin-1 on the Enhanced Carotid Body Activity Induced by Chronic Intermittent Hypoxia. , 2006, 580, 345-350.		5

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37	Hypoxia orchestrates the lymphovascularâ€“immune ensemble in cancer. Trends in Cancer, 2022, 8, 771-784.	7.4	4
38	FisiopatologÃa de la hipertensiÃ³n asociada al sÃndrome de apnea obstructiva del sueÃ±o: Evidencia de estudios clÃnicos y modelos animales de hipoxia crÃ³nica intermitente. Revista Medica De Chile, 2007, 135, .	0.2	2
39	Hypoxic signaling in lymphatic colorectal cancer metastasis. , 2022, , 3-19.		0