

Camillo Di Giulio

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,495
citations

201674

27
h-index

223800

46
g-index

107
all docs

107
docs citations

107
times ranked

3002
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of specific dietary antioxidants and the effects on biochemical mechanisms related to neurodegenerative processes. <i>Neurobiology of Aging</i> , 2002, 23, 719-735.	3.1	280
2	Role of 5-HT _{2C} receptors in the control of central dopamine function. <i>Trends in Pharmacological Sciences</i> , 2001, 22, 229-232.	8.7	216
3	Role of serotonin _{2C} receptors in the control of brain dopaminergic function. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 71, 727-734.	2.9	141
4	Evidence that chronic hypoxia causes reversible impairment on male fertility. <i>Asian Journal of Andrology</i> , 2008, 10, 602-606.	1.6	75
5	Volatile organic compounds (VOCs) fingerprint of Alzheimer's disease. <i>Respiratory Physiology and Neurobiology</i> , 2015, 209, 81-84.	1.6	72
6	Carotid chemoreceptor response to natural stimuli in the newborn kitten. <i>Respiration Physiology</i> , 1992, 87, 183-193.	2.7	64
7	HIF-1 α cytoplasmic accumulation is associated with cell death in old rat cerebral cortex exposed to intermittent hypoxia. <i>Aging Cell</i> , 2005, 4, 177-185.	6.7	59
8	Pathologies currently identified by exhaled biomarkers. <i>Respiratory Physiology and Neurobiology</i> , 2013, 187, 128-134.	1.6	54
9	Smell and Taste in Severe CoVID-19: Self-Reported vs. Testing. <i>Frontiers in Medicine</i> , 2020, 7, 589409.	2.6	53
10	Biochemical evidence that the atypical antipsychotic drugs clozapine and risperidone block 5-HT _{2C} receptors in vivo. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 71, 607-613.	2.9	50
11	The role of hypoxia in erectile dysfunction mechanisms. <i>International Journal of Impotence Research</i> , 2007, 19, 496-500.	1.8	46
12	Angelo Mosso and muscular fatigue: 116 years after the first congress of physiologists: IUPS commemoration. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2006, 30, 51-57.	1.6	45
13	Inflammatory and immunomodulatory mechanisms in the carotid body. <i>Respiratory Physiology and Neurobiology</i> , 2013, 187, 31-40.	1.6	45
14	Age-related death-survival balance in myocardium: an immunohistochemical and biochemical study. <i>Mechanisms of Ageing and Development</i> , 2002, 123, 341-350.	4.6	43
15	Functional and neurochemical interactions within the amygdala's medial prefrontal cortex circuit and their relevance to emotional processing. <i>Brain Structure and Function</i> , 2017, 222, 1267-1279.	2.3	43
16	The companion dog as a unique translational model for aging. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 141-153.	5.0	42
17	p53 and p66 Proteins Compete for Hypoxia-Inducible Factor 1 Alpha Stabilization in Young and Old Rat Hearts Exposed to Intermittent Hypoxia. <i>Gerontology</i> , 2006, 52, 17-23.	2.8	41
18	Regional changes in the metabolite profile after long-term hypoxia-ischemia in brains of young and aged rats: A quantitative proton MRS study. <i>Neurobiology of Aging</i> , 2006, 27, 98-104.	3.1	40

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19	Lessons from chronic intermittent and sustained hypoxia at high altitudes. <i>Respiratory Physiology and Neurobiology</i> , 2002, 130, 223-233.	1.6	39
20	Region-specific effects on brain metabolites of hypoxia and hyperoxia overlaid on cerebral ischemia in young and old rats: a quantitative proton magnetic resonance spectroscopy study. <i>Journal of Biomedical Science</i> , 2010, 17, 14.	7.0	39
21	Spexin Is Expressed in the Carotid Body and Is Upregulated by Postnatal Hyperoxia Exposure. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 207-213.	1.6	36
22	Effect of Chronic Hyperoxia on Young and Old Rat Carotid Body Ultrastructure. <i>Experimental Gerontology</i> , 1998, 33, 319-329.	2.8	34
23	Oxygen and life span: chronic hypoxia as a model for studying HIF-1 α , VEGF and NOS during aging. <i>Respiratory Physiology and Neurobiology</i> , 2005, 147, 31-38.	1.6	34
24	Endothelial NOS expression and ischemia \rightarrow reperfusion in isolated working rat heart from hypoxic and hyperoxic conditions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1524, 203-211.	2.4	33
25	Physical exercise at high altitude is associated with a testicular dysfunction leading to reduced sperm concentration but healthy sperm quality. <i>Fertility and Sterility</i> , 2011, 96, 28-33.	1.0	33
26	Ageing and detoxifying enzymes responses to hypoxic or hyperoxic treatment. <i>Mechanisms of Ageing and Development</i> , 1997, 97, 215-226.	4.6	30
27	Effects of hyperoxic exposure on signal transduction pathways in the lung. <i>Respiratory Physiology and Neurobiology</i> , 2015, 209, 106-114.	1.6	28
28	Real time analysis of volatile organic compounds (VOCs) in centenarians. <i>Respiratory Physiology and Neurobiology</i> , 2015, 209, 47-51.	1.6	27
29	Long-Term Regulation of Carotid Body Function: Acclimatization and Adaptation \rightarrow Invited Article. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 307-317.	1.6	27
30	\rightarrow Oxygen Supply \rightarrow as Modulator of Aging Processes: Hypoxia and Hyperoxia Models for Aging Studies. <i>Current Aging Science</i> , 2009, 2, 95-102.	1.2	27
31	Selected Contribution: Carotid body as a model for aging studies: is there a link between oxygen and aging?. <i>Journal of Applied Physiology</i> , 2003, 95, 1755-1758.	2.5	25
32	Molecular and morphological modifications occurring in rat heart exposed to intermittent hypoxia: role for protein kinase C β . <i>Experimental Gerontology</i> , 2004, 39, 395-405.	2.8	25
33	The Nitric Oxide Synthesis Inhibitor \rightarrow -Nitro-L-Arginine Methyl Ester (L-NAME) Causes Limb Defects in Mouse Fetuses: Protective Effect of Acute Hyperoxia. <i>Pediatric Research</i> , 2003, 54, 69-76.	2.3	23
34	Comparison of the Effectiveness of High-Intensity Interval Training in Hypoxia and Normoxia in Healthy Male Volunteers: A Pilot Study. <i>BioMed Research International</i> , 2019, 2019, 1-10.	1.9	23
35	Does chronic hypoxia increase rat carotid body nitric oxide?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998, 120, 243-247.	1.8	20
36	Variables associated with severe hypoglycemia in children and adolescents with type 1 diabetes: a population-based study. <i>Pediatric Diabetes</i> , 2011, 12, 4-10.	2.9	20

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37	Correlations between protein kinase C $\hat{\eta}$ signaling and morphological modifications during rat heart development and aging. <i>Mechanisms of Ageing and Development</i> , 2003, 124, 957-966.	4.6	19
38	Non-invasive Assessment of Exhaled Breath Pattern in Patients with Multiple Chemical Sensibility Disorder. <i>Advances in Experimental Medicine and Biology</i> , 2013, 756, 179-188.	1.6	19
39	In the carotid body, galanin is a signal for neurogenesis in young, and for neurodegeneration in the old and in drug-addicted subjects. <i>Frontiers in Physiology</i> , 2014, 5, 427.	2.8	18
40	Hyperbaric oxygenation alters carotid body ultrastructure and function. <i>Respiration Physiology</i> , 1993, 92, 183-196.	2.7	17
41	Real-Time Breath Analysis in Type 2 Diabetes Patients During Cognitive Effort. <i>Advances in Experimental Medicine and Biology</i> , 2013, 788, 247-253.	1.6	17
42	High levels of antioxidant enzymatic defence assure good protection against hypoxic stress in spontaneously diabetic rats. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 2196-2208.	2.8	16
43	Effects of Hypoxia on Nocturnal Erection Quality: A Case Report from the Manaslu Expedition. <i>Journal of Sexual Medicine</i> , 2011, 8, 2386-2390.	0.6	16
44	Bartonella henselae Infection Associated with Autoimmune Thyroiditis in a Child. <i>Hormone Research in Paediatrics</i> , 2013, 79, 185-188.	1.8	16
45	Physiological effects of high-altitude trekking on gonadal, thyroid hormones and macrophage migration inhibitory factor (MIF) responses in young lowlander women. <i>Physiological Reports</i> , 2017, 5, e13400.	1.7	16
46	Carotid Body HIF-1 $\hat{\pm}$, VEGF and NOS Expression during Aging and Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 603-610.	1.6	16
47	Olfactory phenotypic expression unveils human aging. <i>Oncotarget</i> , 2016, 7, 19193-19200.	1.8	16
48	PKC $\hat{\pm}$ -mediated CREB activation is oxygen and age-dependent in rat myocardial tissue. <i>Histochemistry and Cell Biology</i> , 2007, 127, 327-333.	1.7	15
49	Human Carotid Body HIF and NGB Expression During Human Development and Aging. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 265-271.	1.6	15
50	Cyclosporine and hyperoxia-induced lung damage in neonatal rats. <i>Respiratory Physiology and Neurobiology</i> , 2013, 187, 41-46.	1.6	15
51	Physiological Carotid Body Denervation During Aging. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 257-263.	1.6	15
52	MCP-1 and MIP-2 expression and production in BB diabetic rat: Effect of chronic hypoxia. <i>Molecular and Cellular Biochemistry</i> , 2005, 276, 105-111.	3.1	13
53	Selective Expression of Galanin in Neuronal-Like Cells of the Human Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 315-323.	1.6	13
54	Neuroglobin in Aging Carotid Bodies. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 191-195.	1.6	13

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55	Sustained hypoxia promotes hyperactive response of carotid body in the cat. <i>Respiratory Physiology and Neurobiology</i> , 2003, 134, 69-74.	1.6	12
56	Prolonged Exposure to Hyperoxia Increases Perivascular Mast Cells in Rat Lungs. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1239-1246.	2.5	12
57	Neuroglobin, a New Oxygen Binding Protein is Present in the Carotid Body and Increases after Chronic Intermittent Hypoxia. , 2006, 580, 15-19.		12
58	Effect of Hypoxia and Aging on PKC ζ -Mediated SCa ²⁺ Phosphorylation in Rat Myocardial Tissue. <i>Anatomical Record</i> , 2009, 292, 1135-1142.	1.4	12
59	Potentiometric determination of carbonic anhydrase activity in rabbit carotid bodies: Comparison among normoxic, hyperoxic and hypoxic animals. <i>Neuroscience Letters</i> , 1994, 166, 126-130.	2.1	11
60	Ageing of the carotid body. <i>Journal of Physiology</i> , 2018, 596, 3021-3027.	2.9	11
61	Hypoxic and hyperoxic effect on blood phosphodiesterase activity in young and old rats. <i>Life Sciences</i> , 1998, 63, PL349-PL353.	4.3	9
62	Thymic sensitivity to hypoxic condition in young and old rats. Age-dependent expression of NF- κ B. <i>Experimental Gerontology</i> , 2002, 37, 1077-1088.	2.8	9
63	Kilimanjaro Abruzzo expedition: effects of high-altitude trekking on anthropometric, cardiovascular and blood biochemical parameters. <i>Sport Sciences for Health</i> , 2015, 11, 271-278.	1.3	9
64	Oxygen supply modulates MCP-1 release in monocytes from young and aged rats: decrease of MCP-1 transcription and translation is age-related. <i>Molecular and Cellular Biochemistry</i> , 2003, 248, 1-6.	3.1	8
65	Chronic Hypoxia, Physical Exercise and PSA: Correlation during High-Altitude Trekking (2004 K2) Tj ETQq1 1 0.784314 rgBT /Qverlock	1.3	8
66	Angelo Mosso's Experiments at Very Low Barometric Pressures. <i>High Altitude Medicine and Biology</i> , 2013, 14, 78-79.	0.9	8
67	Adaptation of Olfactory Threshold at High Altitude. <i>Advances in Experimental Medicine and Biology</i> , 2014, 837, 19-22.	1.6	8
68	Coexpression of Galanin and Nestin in the Chemoreceptor Cells of the Human Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 2015, 885, 77-82.	1.6	8
69	Volatile organic compounds (VOCs) in exhaled breath as a marker of hypoxia in multiple chemical sensitivity. <i>Physiological Reports</i> , 2021, 9, e15034.	1.7	8
70	Sympathetic peripheral chemoreflex is independent of expiratory output neurons in the cat. <i>Journal of the Autonomic Nervous System</i> , 1989, 29, 29-39.	1.9	7
71	Alteration of glutathione transferase subunits composition in the liver of young and aged rats submitted to hypoxic and hyperoxic conditions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1312, 125-131.	4.1	7
72	Further characterization of stimulus interaction of cat carotid chemoreceptors. <i>Journal of the Autonomic Nervous System</i> , 1998, 71, 196-200.	1.9	7

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73	Cytoglobin and Neuroglobin in the Human Brainstem and Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 2013, 788, 59-64.	1.6	7
74	The effects of exercise training on lipid profile in patients with sarcoidosis. <i>Scientific Reports</i> , 2021, 11, 5551.	3.3	7
75	A Scavenger Role for Nitric Oxide in the Aged Rat Kidney. <i>International Journal of Immunopathology and Pharmacology</i> , 2004, 17, 265-271.	2.1	6
76	Inhibition of Peripheral Dopamine Metabolism and the Ventilatory Response to Hypoxia in the Rat. <i>Advances in Experimental Medicine and Biology</i> , 2014, 837, 9-17.	1.6	6
77	Ultrastructural Modifications and Phosphatidylinositol-3-kinase Expression and Activity in Myocardial Tissue Deriving from Rats in Different Experimental Conditions.. <i>Cell Structure and Function</i> , 2001, 26, 87-93.	1.1	6
78	Ryanodine receptor-mediated $[Ca^{2+}]_i$ release in glomus cells is independent of natural stimuli and does not participate in the chemosensory responses of the rat carotid body. <i>Brain Research</i> , 2001, 916, 32-40.	2.2	5
79	Atrial natriuretic peptide stimulates cat carotid body chemoreceptors in vivo. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 134, 27-31.	1.8	5
80	Dual role of HIF-1 α in delivering a survival or death signal in hypoxia exposed human K562 erythroleukemia cells. <i>Cell Biology International</i> , 2009, 33, 49-56.	3.0	5
81	Interaction of arachidonic acid with electrogenic properties of mouse chemosensory neurons. <i>European Journal of Medical Research</i> , 2010, 15, 79-82.	2.2	5
82	Is Intermittent Hypoxia A Cause of Aging?. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2013, 10, 542-544.	1.6	5
83	The influence of altitude hypoxia on uroflowmetry parameters in women. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F562-F566.	2.7	5
84	Effect of acute and chronic cobalt administration on carotid body chemoreceptors responses. <i>Science of the Total Environment</i> , 1994, 150, 215-216.	8.0	4
85	High-altitude hypoxia and reproduction: is there an environmental limit to the human male reproductive system?. <i>Sport Sciences for Health</i> , 2012, 7, 39-40.	1.3	4
86	Do we age faster in absence of gravity?. <i>Frontiers in Physiology</i> , 2013, 4, 134.	2.8	4
87	Chemosensitiveness and Breath Physiology in Anosmia. <i>Advances in Experimental Medicine and Biology</i> , 2014, 837, 35-39.	1.6	4
88	Tissue Dynamics of the Carotid Body Under Chronic Hypoxia: A Computational Study. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 25-39.	1.6	4
89	Hypoxic ventilatory decline during the first 7 days of exposure in intermittent mountain altitude between 4400 and 6960 m. <i>Sport Sciences for Health</i> , 2009, 5, 15-19.	1.3	3
90	Hypoxic Ventilatory Reactivity in Experimental Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 123-132.	1.6	3

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91	Long Trekking Experience at High Altitude Causes Testicular Volumetric Reduction in Humans: Evidence Based on Magnetic Resonance Imaging. <i>High Altitude Medicine and Biology</i> , 2017, 18, 191-192.	0.9	3
92	Carotid Body Sensory Discharge And Glomus Cell Hif-1 \pm Are Regulated By A Common Oxygen Sensor. <i>Advances in Experimental Medicine and Biology</i> , 2009, 645, 87-94.	1.6	3
93	Iron Chelation and the Ventilatory Response to Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 215-221.	1.6	3
94	The nigrostriatal dopamine system: a minor target for 5-HT _{2C} receptors. <i>Trends in Pharmacological Sciences</i> , 2001, 22, 503-504.	8.7	2
95	Pampiniform Plexus and Oxidative Stress during Chronic Hypoxia and Hyperoxia. <i>International Journal of Immunopathology and Pharmacology</i> , 2008, 21, 353-357.	2.1	2
96	Reduced pulmonary function is age-dependent in the rat lung in normoxia. <i>European Journal of Medical Research</i> , 2010, 15, 108-11.	2.2	2
97	Carotid Body Nitric Oxide Activity in Spontaneously Diabetic BB Rat. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 359-366.	1.6	2
98	Hypoxic Redistribution of Iron and Calcium in the Cat Glomus Cells. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 99-103.	1.6	2
99	Biochemical and Ultrastructural Alaterations is Rat After Hyperoxic Treatment: Effect of Taurine and Hypotaurine. <i>Advances in Experimental Medicine and Biology</i> , 2002, 483, 149-156.	1.6	1
100	Balance between hypertrophic and hypoxic stimulus in caspase-3 activation during rat heart development. <i>Journal of Molecular Histology</i> , 2005, 36, 217-224.	2.2	1
101	Vascular Endothelial Growth Factor Expression (VEGF) in Salivary Glands of Young and Old Hyperoxic Rats. <i>European Journal of Inflammation</i> , 2006, 4, 83-96.	0.5	1
102	Proteomic Analysis of the Carotid Body: A Preliminary Study. <i>Advances in Experimental Medicine and Biology</i> , 2013, 756, 349-353.	1.6	1
103	A four-year old-child with widespread pyoderma gangrenosum resistant to topical treatment. <i>European Journal of Dermatology</i> , 2010, 20, 839-40.	0.6	1
104	CO ₂ /H ⁺ Homeostasis: Role of Central and Peripheral Chemoreceptors in Adult Mammals. , 2007, , 229-240.		0
105	PHYSIOLOGY OF AGING IN ITALY. <i>Biophilia</i> , 2013, 3, 14-15.	0.1	0
106	Does man age faster at the everest peak? A hypothesis paper. <i>Journal of Sports Science and Medicine</i> , 2013, 12, 205-6.	1.6	0
107	Olfactory Response to Altitude Hypoxia: A Pilot Study During a Himalayan Trek. <i>Advances in Experimental Medicine and Biology</i> , 2022, , .	1.6	0