

# Silvia V Conde

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

1,677  
citations

236925

25  
h-index

315739

38  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carotid Body Denervation Prevents the Development of Insulin Resistance and Hypertension Induced by Hypercaloric Diets. <i>Diabetes</i> , 2013, 62, 2905-2916.	0.6	172
2	Chronic caffeine intake decreases circulating catecholamines and prevents diet-induced insulin resistance and hypertension in rats. <i>British Journal of Nutrition</i> , 2012, 107, 86-95.	2.3	79
3	Hypoxia induces adenosine release from the rat carotid body. <i>Journal of Neurochemistry</i> , 2004, 89, 1148-1156.	3.9	77
4	Carotid body, insulin, and metabolic diseases: unraveling the links. <i>Frontiers in Physiology</i> , 2014, 5, 418.	2.8	67
5	Caffeine inhibition of rat carotid body chemoreceptors is mediated by A2A and A2B adenosine receptors. <i>Journal of Neurochemistry</i> , 2006, 98, 616-628.	3.9	62
6	Hypoxic intensity: a determinant for the contribution of ATP and adenosine to the genesis of carotid body chemosensory activity. <i>Journal of Applied Physiology</i> , 2012, 112, 2002-2010.	2.5	54
7	Bioelectronic modulation of carotid sinus nerve activity in the rat: a potential therapeutic approach for type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 700-710.	6.3	52
8	Carotid body function and ventilatory responses in intermittent hypoxia. evidence for anomalous brainstem integration of arterial chemoreceptor input. <i>Journal of Cellular Physiology</i> , 2011, 226, 1961-1969.	4.1	47
9	Functional abolition of carotid body activity restores insulin action and glucose homeostasis in rats: key roles for visceral adipose tissue and the liver. <i>Diabetologia</i> , 2017, 60, 158-168.	6.3	45
10	Low glucose effects on rat carotid body chemoreceptor cells' secretory responses and action potential frequency in the carotid sinus nerve. <i>Journal of Physiology</i> , 2007, 585, 721-730.	2.9	41
11	Insulin resistance: a new consequence of altered carotid body chemoreflex?. <i>Journal of Physiology</i> , 2017, 595, 31-41.	2.9	41
12	Methylglyoxal-induced glycation changes adipose tissue vascular architecture, flow and expansion, leading to insulin resistance. <i>Scientific Reports</i> , 2017, 7, 1698.	3.3	41
13	An antagonistic interaction between A <sub>2B</sub> adenosine and D <sub>2</sub> dopamine receptors modulates the function of rat carotid body chemoreceptor cells. <i>Journal of Neurochemistry</i> , 2008, 107, 1369-1381.	3.9	39
14	High fat diet blunts the effects of leptin on ventilation and on carotid body activity. <i>Journal of Physiology</i> , 2018, 596, 3187-3199.	2.9	37
15	Insulin resistance is associated with tissue-specific regulation of HIF-1 $\alpha$ and HIF-2 $\alpha$ during mild chronic intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2016, 228, 30-38.	1.6	35
16	Dopamine D2 receptor agonist, bromocriptine, remodels adipose tissue dopaminergic signalling and upregulates catabolic pathways, improving metabolic profile in type 2 diabetes. <i>Molecular Metabolism</i> , 2021, 51, 101241.	6.5	35
17	Age protects from harmful effects produced by chronic intermittent hypoxia. <i>Journal of Physiology</i> , 2016, 594, 1773-1790.	2.9	33
18	Carotid body: a metabolic sensor implicated in insulin resistance. <i>Physiological Genomics</i> , 2018, 50, 208-214.	2.3	33

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19	Carotid body chemosensitivity: early biomarker of dysmetabolism in humans. <i>European Journal of Endocrinology</i> , 2020, 182, 549-557.	3.7	33
20	Adenosine in Peripheral Chemoreception: New Insights into a Historically Overlooked Molecule – Invited Article. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 145-159.	1.6	32
21	Chronic caffeine intake reverses age-induced insulin resistance in the rat: effect on skeletal muscle Glut4 transporters and AMPK activity. <i>Age</i> , 2013, 35, 1755-1765.	3.0	32
22	A revisit to O <sub>2</sub> sensing and transduction in the carotid body chemoreceptors in the context of reactive oxygen species biology. <i>Respiratory Physiology and Neurobiology</i> , 2010, 174, 317-330.	1.6	31
23	Metabolic dysfunction in OSA: Is there something new under the sun?. <i>Journal of Sleep Research</i> , 2022, 31, e13418.	3.2	31
24	Function of the rat carotid body chemoreceptors in ageing. <i>Journal of Neurochemistry</i> , 2006, 99, 711-723.	3.9	28
25	Purines and Carotid Body: New Roles in Pathological Conditions. <i>Frontiers in Pharmacology</i> , 2017, 8, 913.	3.5	27
26	A2 Adenosine Receptors Mediate Whole-Body Insulin Sensitivity in a Prediabetes Animal Model: Primary Effects on Skeletal Muscle. <i>Frontiers in Endocrinology</i> , 2020, 11, 262.	3.5	26
27	Hyperbaric Oxygen Therapy Improves Glucose Homeostasis in Type 2 Diabetes Patients: A Likely Involvement of the Carotid Bodies. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 221-225.	1.6	25
28	Activation of nicotinic ACh receptors with $\alpha 4$ subunits induces adenosine release at the rat carotid body. <i>British Journal of Pharmacology</i> , 2006, 147, 783-789.	5.4	24
29	Decoding Neural Metabolic Markers From the Carotid Sinus Nerve in a Type 2 Diabetes Model. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 2034-2043.	4.9	24
30	Exploring the Mediators that Promote Carotid Body Dysfunction in Type 2 Diabetes and Obesity Related Syndromes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5545.	4.1	24
31	Peripheral Dopamine Directly Acts on Insulin-Sensitive Tissues to Regulate Insulin Signaling and Metabolic Function. <i>Frontiers in Pharmacology</i> , 2021, 12, 713418.	3.5	23
32	Chronic Caffeine Intake in Adult Rat Inhibits Carotid Body Sensitization Produced by Chronic Sustained Hypoxia but Maintains Intact Chemoreflex Output. <i>Molecular Pharmacology</i> , 2012, 82, 1056-1065.	2.3	21
33	Evaluating the Impact of Different Hypercaloric Diets on Weight Gain, Insulin Resistance, Glucose Intolerance, and its Comorbidities in Rats. <i>Nutrients</i> , 2019, 11, 1197.	4.1	20
34	Leptin: Master Regulator of Biological Functions that Affects Breathing. , 2020, 10, 1047-1083.		19
35	Gender Differences in the Context of Obstructive Sleep Apnea and Metabolic Diseases. <i>Frontiers in Physiology</i> , 2021, 12, 792633.	2.8	19
36	Immunity and the carotid body: implications for metabolic diseases. <i>Bioelectronic Medicine</i> , 2020, 6, 24.	2.3	17

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37	Fernando de Castro and the discovery of the arterial chemoreceptors. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 25.	1.7	16
38	Disclosing caffeine action on insulin sensitivity: Effects on rat skeletal muscle. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 70, 107-116.	4.0	16
39	Paracrine effect of carbon monoxide: astrocytes promote neuroprotection via purinergic signaling. <i>Journal of Cell Science</i> , 2016, 129, 3178-88.	2.0	16
40	Profiles for ATP and Adenosine Release at the Carotid Body in Response to O <sub>2</sub> Concentrations. , 2006, 580, 179-184.		16
41	Revisiting cAMP signaling in the carotid body. <i>Frontiers in Physiology</i> , 2014, 5, 406.	2.8	15
42	Contribution of adenosine and ATP to the carotid body chemosensory activity in ageing. <i>Journal of Physiology</i> , 2019, 597, 4991-5008.	2.9	14
43	Electrostimulation of the carotid sinus nerve in mice attenuates inflammation via glucocorticoid receptor on myeloid immune cells. <i>Journal of Neuroinflammation</i> , 2020, 17, 368.	7.2	14
44	The Carotid Body Does Not Mediate the Acute Ventilatory Effects of Leptin. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 379-385.	1.6	13
45	Carotid Body Dysfunction in Diet-Induced Insulin Resistance Is Associated with Alterations in Its Morphology. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1071, 103-108.	1.6	9
46	Adenosine Receptor Blockade by Caffeine Inhibits Carotid Sinus Nerve Chemosensory Activity in Chronic Intermittent Hypoxic Animals. <i>Advances in Experimental Medicine and Biology</i> , 2015, 860, 133-137.	1.6	9
47	The A <sub>2</sub> B-D <sub>2</sub> Receptor Interaction that Controls Carotid Body Catecholamines Release Locates Between the Last Two Steps of Hypoxic Transduction Cascade. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 161-168.	1.6	8
48	Carbon Monoxide Modulation of Microglia-Neuron Communication: Anti-Neuroinflammatory and Neurotrophic Role. <i>Molecular Neurobiology</i> , 2022, 59, 872-889.	4.0	8
49	Dysmetabolism and Neurodegeneration: Trick or Treat?. <i>Nutrients</i> , 2022, 14, 1425.	4.1	8
50	Ablation of the carotid bodies in disease: meeting its adverse effects. <i>Journal of Physiology</i> , 2018, 596, 2955-2955.	2.9	7
51	An Overview on the Homeostasis of Ca <sup>2+</sup> in Chemoreceptor Cells of the Rabbit and Rat Carotid Bodies. , 2006, 580, 215-222.		7
52	Adenosine Mediates Hypercapnic Response in the Rat Carotid Body via A <sub>2</sub> A and A <sub>2</sub> B Receptors. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1071, 89-93.	1.6	6
53	Chronic Intermittent Hypoxia Induces Early-Stage Metabolic Dysfunction Independently of Adipose Tissue Deregulation. <i>Antioxidants</i> , 2021, 10, 1233.	5.1	6
54	Long-Term Hypercaloric Diet Consumption Exacerbates Age-Induced Dysmetabolism and Carotid Body Dysfunction: Beneficial Effects of CSN Denervation. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	6

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55	Carotid body chemotransduction gets the human touch. <i>Journal of Physiology</i> , 2013, 591, 6131-6132.	2.9	5
56	High frequency shift in Carotid Sinus Nerve and Sympathetic Nerve activity in Type 2 Diabetic Rat Model. , 2019, , .		5
57	Type 2 diabetes progression differently affects endothelial function and vascular contractility in the aorta and the pulmonary artery. <i>Scientific Reports</i> , 2021, 11, 6052.	3.3	5
58	The Fourth Bioelectronic Medicine Summit “Technology Targeting Molecular Mechanisms” current progress, challenges, and charting the future. <i>Bioelectronic Medicine</i> , 2021, 7, 7.	2.3	5
59	Blood Pressure Regulation by the Carotid Sinus Nerve: Clinical Implications for Carotid Body Neuromodulation. <i>Frontiers in Neuroscience</i> , 2021, 15, 725751.	2.8	3
60	Caffeine, Insulin Resistance, and Hypertension. , 2015, , 747-755.		2
61	Low frequency conduction block: a promising new technique to advance bioelectronic medicines. <i>Bioelectronic Medicine</i> , 2021, 7, 11.	2.3	2
62	Effect of Chronic Caffeine Intake on Carotid Body Catecholamine Dynamics in Control and Chronically Hypoxic Rats. <i>Advances in Experimental Medicine and Biology</i> , 2012, 758, 315-323.	1.6	2
63	Dysmetabolism and Sleep Fragmentation in Obstructive Sleep Apnea Patients Run Independently of High Caffeine Consumption. <i>Nutrients</i> , 2022, 14, 1382.	4.1	2
64	Hypoxic and Hypercapnic Responses in Transgenic Murine Model of Alzheimer’s Disease Overexpressing Human A $\beta$ PP: The Effects of Pretreatment with Memantine and Rivastigmine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6004.	4.1	2
65	Micro Computed Tomography Detects Changes in Liver Density in Control and in Prediabetes Rats. <i>Procedia Manufacturing</i> , 2017, 12, 106-112.	1.9	1
66	Targeting bioelectronically the carotid sinus nerve in Type 2 diabetes: strengths, drawbacks and challenges for the future. <i>Bioelectronics in Medicine</i> , 2018, 1, 167-170.	2.0	1
67	Adenosine-Acetylcholine Interactions at the Rat Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 305-311.	1.6	1
68	Leptin and dorsomedial hypothalamus: is not all about feeding and energy homeostasis. <i>Sleep</i> , 2021, 44, .	1.1	0
69	Contribution of carotid body to leptin effects on ventilation and blood pressure in control and obese rats. , 2019, , .		0
70	The carotid body: A candidate for regaining glucose tolerance in Type 2 diabetes. , 2019, , 98-101.		0
71	Propranolol therapy for cerebral cavernous malformations. <i>World Academy of Sciences Journal</i> , 2022, 4, .	0.6	0
72	Is Fat Tissue “Plastic”? <i>Frontiers for Young Minds</i> , 0, 10, .	0.8	0