Carla Perego

List of Publications by Citations

65 papers	2,458 citations	27 h-index	49 g-index
75 ext. papers	2,834 ext. citations	5.2 avg, IF	4.23 L-index

#	Paper	IF	Citations
65	High glucose causes apoptosis in cultured human pancreatic islets of Langerhans: a potential role for regulation of specific Bcl family genes toward an apoptotic cell death program. *Diabetes*, **2001**, 50, 1290-301	0.9	267
64	The role of oxidative stress in the pathogenesis of type 2 diabetes mellitus micro- and macrovascular complications: avenues for a mechanistic-based therapeutic approach. *Current Diabetes Reviews*, **2011**, 7, 313-24	2.7	221
63	PDZ-mediated interactions retain the epithelial GABA transporter on the basolateral surface of polarized epithelial cells. *EMBO Journal*, **1999**, 18, 2384-93	13	144
62	The GLT-1 and GLAST glutamate transporters are expressed on morphologically distinct astrocytes and regulated by neuronal activity in primary hippocampal cocultures. *Journal of Neurochemistry*, **2000**, 75, 1076-84	6	138
61	Pancreatic islet amyloidosis, beta-cell apoptosis, and alpha-cell proliferation are determinants of islet remodeling in type-2 diabetic baboons. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13992-7	11.5	125
60	Mammalian LIN-7 PDZ proteins associate with beta-catenin at the cell-cell junctions of epithelia and neurons. *EMBO Journal*, **2000**, 19, 3978-89	13	102
59	Stress and corticosterone increase the readily releasable pool of glutamate vesicles in synaptic terminals of prefrontal and frontal cortex. *Molecular Psychiatry*, **2014**, 19, 433-43	15.1	90
58	AQP1 is not only a water channel: it contributes to cell migration through Lin7/beta-catenin. *PLoS ONE*, **2009**, 4, e6167	3.7	87
57	DOPAL derived alpha-synuclein oligomers impair synaptic vesicles physiological function. *Scientific Reports*, **2017**, 7, 40699	4.9	78
56	LRRK2 modulates neuronal vesicles cycle through protein interactions. *SpringerPlus*, **2015**, 4,		78
55	Invasive behaviour of glioblastoma cell lines is associated with altered organisation of the cadherin-catenin adhesion system. *Journal of Cell Science*, **2002**, 115, 3331-3340	5.3	72
54	Altered insulin receptor signalling and β-cell cycle dynamics in type 2 diabetes mellitus. *PLoS ONE*, **2011**, 6, e28050	3.7	68
53	PCSK9 deficiency reduces insulin secretion and promotes glucose intolerance: the role of the low-density lipoprotein receptor. *European Heart Journal*, **2019**, 40, 357-368	9.5	64
52	Invasive behaviour of glioblastoma cell lines is associated with altered organisation of the cadherin-catenin adhesion system. *Journal of Cell Science*, **2002**, 115, 3331-40	5.3	59
51	Sorting of two polytopic proteins, the gamma-aminobutyric acid and betaine transporters, in polarized epithelial cells. *Journal of Biological Chemistry*, **1997**, 272, 6584-92	5.4	57
50	Chronic hyperglycemia impairs insulin secretion by affecting insulin receptor expression, splicing, and signaling in RIN beta cell line and human islets of Langerhans. *FASEB Journal*, **2003**, 17, 1340-2	0.9	53
49	The glial glutamate transporter 1 (GLT1) is expressed by pancreatic beta-cells and prevents glutamate-induced beta-cell death. *Journal of Biological Chemistry*, **2011**, 286, 14007-18	5.4	45

48	Increased internalisation and degradation of GLT-1 glial glutamate transporter in a cell model for familial amyotrophic lateral sclerosis (ALS). *Journal of Cell Science*, **2004**, 117, 5417-26	5.3	42
47	PP1 inhibitor induces degradation of RETMEN2A and RETMEN2B oncoproteins through proteosomal targeting. *Cancer Research*, **2003**, 63, 2234-43	10.1	34
46	The LRRK2 G2385R variant is a partial loss-of-function mutation that affects synaptic vesicle trafficking through altered protein interactions. *Scientific Reports*, **2017**, 7, 5377	4.9	32
45	The surface density of the glutamate transporter EAAC1 is controlled by interactions with PDZK1 and AP2 adaptor complexes. *Traffic*, **2010**, 11, 1455-70	5.7	31
44	Cholesterol metabolism, pancreatic □cell function and diabetes. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 2149-2156	6.9	30
43	The potential role of glutamate in the current diabetes epidemic. *Acta Diabetologica*, **2012**, 49, 167-83	3.9	30
42	Differential interaction of Enigma protein with the two RET isoforms. *Biochemical and Biophysical Research Communications*, **2002**, 296, 515-22	3.4	30
41	Prevention of myocardial fibrosis by N-acetyl-seryl-aspartyl-lysyl-proline in diabetic rats. *Clinical Science*, **2009**, 118, 211-20	6.5	28
40	Delta cell death in the islet of Langerhans and the progression from normal glucose tolerance to type 2 diabetes in non-human primates (baboon, Papio hamadryas). *Diabetologia*, **2015**, 58, 1814-26	10.3	27
39	Pancreatic islet of Langerhans' cytoarchitecture and ultrastructure in normal glucose tolerance and in type 2 diabetes mellitus. *Diabetes, Obesity and Metabolism*, **2018**, 20 Suppl 2, 137-144	6.7	27
38	Neurosteroid allopregnanolone regulates EAAC1-mediated glutamate uptake and triggers actin changes in Schwann cells. *Journal of Cellular Physiology*, **2012**, 227, 1740-51	7	26
37	LIN7 mediates the recruitment of IRSp53 to tight junctions. *Traffic*, **2009**, 10, 246-57	5.7	25
36	Role of the conserved glutamine 291 in the rat gamma-aminobutyric acid transporter rGAT-1. *Cellular and Molecular Life Sciences*, **2006**, 63, 100-11	10.3	25
35	Neurotransmitters and Neuropeptides: New Players in the Control of Islet of Langerhans' Cell Mass and Function. *Journal of Cellular Physiology*, **2016**, 231, 756-67	7	25
34	Disproportionate hyperproinsulinemia, beta-cell restricted prohormone convertase 2 deficiency, and cell cycle inhibitors expression by human islets transplanted into athymic nude mice: insights into nonimmune-mediated mechanisms of delayed islet graft failure. *Cell Transplantation*, **2008**, 17, 1323-36	4	23
33	Cloning of a rabbit renal Na-Pi cotransporter, which is regulated by dietary phosphate. *American Journal of Physiology - Renal Physiology*, **1995**, 268, F626-33	4.3	22
32	Interaction between Na+ and the K+-dependent amino acid transport in midgut brush-border membrane vesicles from Philosamia cynthia larvae. *Journal of Insect Physiology*, **1994**, 40, 69-74	2.4	22
31	Cluster-assembled zirconia substrates promote long-term differentiation and functioning of human islets of Langerhans. *Scientific Reports*, **2018**, 8, 9979	4.9	21

30	INaP selective inhibition reverts precocious inter- and motorneurons hyperexcitability in the Sod1-G93R zebrafish ALS model. *Scientific Reports*, **2016**, 6, 24515	4.9	20
29	The ontogeny of the endocrine pancreas in the fetal/newborn baboon. *Journal of Endocrinology*, **2012**, 214, 289-99	4.7	18
28	Shaping Pancreatic Cell Differentiation and Functioning: The Influence of Mechanotransduction. *Cells*, **2020**, 9,	7.9	15
27	cDNA cloning of a rat small-intestinal Na+/SO4(2-) cotransporter. *Pflugers Archiv European Journal of Physiology*, **1994**, 428, 217-23	4.6	14
26	Verbascoside Protects Pancreatic Cells against ER-Stress. *Biomedicines*, **2020**, 8,	4.8	13
25	Acute stress rapidly increases the readily releasable pool of glutamate vesicles in prefrontal and frontal cortex through non-genomic action of corticosterone. *Molecular Psychiatry*, **2014**, 19, 401	15.1	13
24	Three kinds of currents in the canine betaine-GABA transporter BGT-1 expressed in Xenopus laevis oocytes. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2001**, 1538, 172-80	4.9	13
23	Chronic continuous exenatide infusion does not cause pancreatic inflammation and ductal hyperplasia in non-human primates. *American Journal of Pathology*, **2015**, 185, 139-50	5.8	12
22	Atomic force microscopy imaging of actin cortical cytoskeleton of Xenopus laevis oocyte. *Journal of Microscopy*, **2006**, 223, 57-65	1.9	10
21	Long-lasting remission of type 1 diabetes following treatment with topiramate for generalized seizures. *Acta Diabetologica*, **2012**, 49, 75-9	3.9	9
20	Differential localisation of nPKC delta during cell cycle progression. *Biochemical and Biophysical Research Communications*, **2002**, 294, 127-31	3.4	9
19	TIRFM and pH-sensitive GFP-probes to evaluate neurotransmitter vesicle dynamics in SH-SY5Y neuroblastoma cells: cell imaging and data analysis. *Journal of Visualized Experiments*, **2015**,	1.6	8
18	Exenatide regulates pancreatic islet integrity and insulin sensitivity in the nonhuman primate baboon Papio hamadryas. *JCI Insight*, **2019**, 4,	9.9	8
17	Atomic force microscopy characterization of Xenopus laevis oocyte plasma membrane. *Microscopy Research and Technique*, **2006**, 69, 826-34	2.8	7
16	Adhesion and proliferation of fibroblasts on cluster-assembled nanostructured carbon films: the role of surface morphology. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 3718-30	1.3	6
15	The LRRK2 N-terminal domain influences vesicle trafficking: impact of the E193K variant. *Scientific Reports*, **2020**, 10, 3799	4.9	5
14	Glutamate 59 is critical for transport function of the amino acid cotransporter KAAT1. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C623-32	5.4	5
13	Expression of rat ileal Na(+)-sulphate cotransport in Xenopus laevis oocytes: functional characterization. *Pflugers Archiv European Journal of Physiology*, **1994**, 427, 252-6	4.6	5

List of Publications

12	Proteomic Analysis Reveals a Mitochondrial Remodeling of C3 Cells in Response to Nanotopography. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 508	5.7	5
11	Iron Metabolism in Pancreatic Beta-Cell Function and Dysfunction. *Cells*, **2021**, 10,	7.9	4
10	Malaria pigment accelerates MTT - formazan exocytosis in human endothelial cells. *Parasitology*, **2019**, 146, 399-406	2.7	4
9	Functional characterization of leucine transport induced in Xenopus laevis oocytes injected with mRNA isolated from midguts of lepidopteran larvae (Philosamia cynthia). *Journal of Experimental Biology*, **1995**, 198, 961-6	3	2
8	Synaptic Stress, Changes in Glutamate Transmission and Circuitry, and Psychopathology **2014**, 33-52		1
7	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinson disease		1
6	Effects of cell line proliferation on the aggregation and stability of a hyaluronic acid solution (HA)/PLGA microparticles dispersed in the culture system. *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-9	3	0
5	S.23.01 The stress impact on synaptic function and brain architecture: a key to mood and anxiety disorders. *European Neuropsychopharmacology*, **2015**, 25, S144	1.2	
4	P.1.g.029 Acute stress increases the readily releasable pool of glutamate vesicles in cortical areas. *European Neuropsychopharmacology*, **2014**, 24, S219-S220	1.2	
3	Potassium activation of Na(+)-dependent leucine transport in brush-border membrane vesicles from rat jejunum. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1994**, 109, 949-56		
2	Autoantibodies Against the Glial Glutamate Transporter GLT1/EAAT2 in Type 1 Diabetes Mellitus. Clues to novel immunological and non-immunological therapies.. *Pharmacological Research*, **2022**, 177, 106130	10.2	
1	Probing the Dynamics of Plasma Membrane Glutamate Transporters in Real Time by Total Internal Fluorescence Reflection Microscopy. *Springer Protocols*, **2016**, 117-139	0.3	