

# Carmen D Lobaton

## List of Publications by Year in descending order

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38  
papers

1,220  
citations

361413

20  
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361022

35  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct activation of the mitochondrial calcium uniporter by natural plant flavonoids. <i>Biochemical Journal</i> , 2004, 384, 19-24.	3.7	128
2	Diguanosinetetraphosphatase from Rat Liver: Activity on Diadenosine Tetraphosphate and Inhibition by Adenosine Tetraphosphate. <i>FEBS Journal</i> , 1975, 50, 495-501.	0.2	85
3	The plasma membrane Na <sup>+</sup> /Ca <sup>2+</sup> exchange inhibitor KB-R7943 is also a potent inhibitor of the mitochondrial Ca <sup>2+</sup> uniporter. <i>British Journal of Pharmacology</i> , 2007, 151, 647-654.	5.4	82
4	A novel regulatory mechanism of the mitochondrial Ca <sup>2+</sup> uniporter revealed by the p38 mitogen-activated protein kinase inhibitor sb202190. <i>FASEB Journal</i> , 2002, 16, 1955-1957.	0.5	77
5	Monitoring mitochondrial [Ca <sup>2+</sup> ] dynamics with rhod-2, ratiometric pericam and aequorin. <i>Cell Calcium</i> , 2010, 48, 61-69.	2.4	65
6	Dinucleosidasetetraphosphatase in rat liver and <i>Artemia salina</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1976, 438, 304-309.	2.6	62
7	The mitochondrial Na <sup>+</sup> /Ca <sup>2+</sup> exchanger plays a key role in the control of cytosolic Ca <sup>2+</sup> oscillations. <i>Cell Calcium</i> , 2006, 40, 53-61.	2.4	59
8	Dinucleosidetriphosphatase from Rat Liver. Purification and Properties. <i>FEBS Journal</i> , 1977, 76, 331-337.	0.2	55
9	Liver-specific ablation of insulin-degrading enzyme causes hepatic insulin resistance and glucose intolerance, without affecting insulin clearance in mice. <i>Metabolism: Clinical and Experimental</i> , 2018, 88, 1-11.	3.4	49
10	<i>Leiurus quinquestriatus</i> venom inhibits different kinds of Ca <sup>2+</sup> -dependent K <sup>+</sup> channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 856, 403-407.	2.6	48
11	Modulation of Ca <sup>2+</sup> release and Ca <sup>2+</sup> oscillations in HeLa cells and fibroblasts by mitochondrial Ca <sup>2+</sup> uniporter stimulation. <i>Journal of Physiology</i> , 2007, 580, 39-49.	2.9	48
12	Modulation of mitochondrial Ca <sup>2+</sup> uptake by estrogen receptor agonists and antagonists. <i>British Journal of Pharmacology</i> , 2005, 145, 862-871.	5.4	46
13	Calcium dynamics in bovine adrenal medulla chromaffin cell secretory granules. <i>European Journal of Neuroscience</i> , 2008, 28, 1265-1274.	2.6	46
14	Dinucleosidetetraphosphatase from ehrlich ascites tumour cells: Inhibition by adenosine, guanosine and uridine 5'-tetraphosphates. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1982, 14, 629-634.	0.5	38
15	Calcium dynamics in catecholamine-containing secretory vesicles. <i>Cell Calcium</i> , 2005, 37, 555-564.	2.4	38
16	Modulation of Histamine-induced Ca <sup>2+</sup> Release by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2003, 278, 49972-49979.	3.4	27
17	Hepatic insulin-degrading enzyme regulates glucose and insulin homeostasis in diet-induced obese mice. <i>Metabolism: Clinical and Experimental</i> , 2020, 113, 154352.	3.4	25
18	Calcineurin-independent inhibition of mitochondrial Ca <sup>2+</sup> uptake by cyclosporin A. <i>British Journal of Pharmacology</i> , 2004, 141, 263-268.	5.4	24

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19	Mitochondrial free [Ca <sup>2+</sup> ] levels and the permeability transition. <i>Cell Calcium</i> , 2009, 45, 243-250.	2.4	24
20	Pancreatic $\beta$ -cell-specific deletion of insulin-degrading enzyme leads to dysregulated insulin secretion and $\beta$ -cell functional immaturity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E805-E819.	3.5	23
21	Stimulation by thimerosal of histamine-induced Ca <sup>2+</sup> release in intact HeLa cells seen with aequorin targeted to the endoplasmic reticulum. <i>Cell Calcium</i> , 2001, 30, 181-190.	2.4	20
22	Diadenosine triphosphate splitting by rat liver extracts. <i>Biochemical and Biophysical Research Communications</i> , 1975, 67, 279-286.	2.1	17
23	Characterization of a Chinese hamster-human hybrid cell line with increased system L amino acid transport activity.. <i>Molecular and Cellular Biology</i> , 1984, 4, 475-483.	2.3	17
24	Regulation of amino acid transport system L by amino acid availability in CHO-K1 cells. A special role for leucine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 819, 271-274.	2.6	16
25	Insulin degrading enzyme is up-regulated in pancreatic $\beta$ cells by insulin treatment. <i>Histology and Histopathology</i> , 2018, 33, 1167-1180.	0.7	15
26	The dynamics of mitochondrial Ca <sup>2+</sup> fluxes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1727-1735.	1.0	12
27	Epoxykupalide Induces Proliferation and Protects against Cytokine-Mediated Apoptosis in Primary Cultures of Pancreatic $\beta$ -Cells. <i>PLoS ONE</i> , 2013, 8, e52862.	2.5	12
28	A confocal study on the visualization of chromaffin cell secretory vesicles with fluorescent targeted probes and acidic dyes. <i>Journal of Structural Biology</i> , 2010, 172, 261-269.	2.8	10
29	Regulation and Genetics of Amino Acid Transport. <i>Annals of the New York Academy of Sciences</i> , 1985, 456, 404-416.	3.8	9
30	Protective effects of epoxykupalide on pancreatic $\beta$ -cells and glucose metabolism in STZ-induced diabetic mice. <i>Islets</i> , 2015, 7, e1078053.	1.8	8
31	Ca <sup>2+</sup> Dynamics in the Secretory Vesicles of Neurosecretory PC12 and INS1 Cells. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 1267-1274.	3.3	7
32	Chloro-Furanocembranolides from <i>Leptogorgia</i> sp. Improve Pancreatic Beta-Cell Proliferation. <i>Marine Drugs</i> , 2018, 16, 49.	4.6	6
33	A PALB2 truncating mutation: Implication in cancer prevention and therapy of Hereditary Breast and Ovarian Cancer. <i>Breast</i> , 2019, 43, 91-96.	2.2	6
34	Germline Genetic Findings Which May Impact Therapeutic Decisions in Families with a Presumed Predisposition for Hereditary Breast and Ovarian Cancer. <i>Cancers</i> , 2020, 12, 2151.	3.7	5
35	Leptolide Improves Insulin Resistance in Diet-Induced Obese Mice. <i>Marine Drugs</i> , 2017, 15, 289.	4.6	4
36	Unraveling the molecular effect of a rare missense mutation in BRIP1 associated with inherited breast cancer. <i>Molecular Carcinogenesis</i> , 2019, 58, 156-160.	2.7	3

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37	Cellular transport in the regulation of amino acid metabolism. <i>Biochemical Society Transactions</i> , 1986, 14, 993-995.	3.4	2
38	Modulation of Glial Responses by Furanocembranolides: Leptolide Diminishes Microglial Inflammation in Vitro and Ameliorates Gliosis In Vivo in a Mouse Model of Obesity and Insulin Resistance. <i>Marine Drugs</i> , 2020, 18, 378.	4.6	2