

Elisa A Bellomo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,457
citations

430874

18
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

3968
citing authors

#	ARTICLE	IF	CITATIONS
1	Initiation and execution of lipotoxic ER stress in pancreatic β -cells. <i>Journal of Cell Science</i> , 2008, 121, 2308-2318.	2.0	512
2	Genetically encoded FRET sensors to monitor intracellular Zn ²⁺ homeostasis. <i>Nature Methods</i> , 2009, 6, 737-740.	19.0	395
3	Insulin Storage and Glucose Homeostasis in Mice Null for the Granule Zinc Transporter ZnT8 and Studies of the Type 2 Diabetes-Associated Variants. <i>Diabetes</i> , 2009, 58, 2070-2083.	0.6	347
4	Lipotoxicity disrupts incretin-regulated human β cell connectivity. <i>Journal of Clinical Investigation</i> , 2013, 123, 4182-4194.	8.2	203
5	The Mitochondrial Ca ²⁺ Uniporter MCU Is Essential for Glucose-Induced ATP Increases in Pancreatic β -Cells. <i>PLoS ONE</i> , 2012, 7, e39722.	2.5	146
6	Imaging dynamic insulin release using a fluorescent zinc indicator for monitoring induced exocytotic release (ZIMIR). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21063-21068.	7.1	133
7	Glucose Regulates Free Cytosolic Zn ²⁺ Concentration, Slc39 (ZnT), and Metallothionein Gene Expression in Primary Pancreatic Islet β -Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 25778-25789.	3.4	102
8	Mitochondrial and ER-Targeted eCALWY Probes Reveal High Levels of Free Zn ²⁺ . <i>ACS Chemical Biology</i> , 2014, 9, 2111-2120.	3.4	102
9	Zinc ions modulate protein tyrosine phosphatase 1B activity. <i>Metallomics</i> , 2014, 6, 1229-1239.	2.4	90
10	The metal face of protein tyrosine phosphatase 1B. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 70-83.	18.8	73
11	Intracellular zinc in insulin secretion and action: a determinant of diabetes risk?. <i>Proceedings of the Nutrition Society</i> , 2016, 75, 61-72.	1.0	61
12	Molecular Genetic Regulation of Slc30a8/ZnT8 Reveals a Positive Association With Glucose Tolerance. <i>Molecular Endocrinology</i> , 2016, 30, 77-91.	3.7	59
13	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic β Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 21376-21392.	3.4	48
14	Sarco(endo)plasmic reticulum ATPase is a molecular partner of Wolfram syndrome 1 protein, which negatively regulates its expression. <i>Human Molecular Genetics</i> , 2015, 24, 814-827.	2.9	46
15	The Zinc Transporter Slc30a8/ZnT8 Is Required in a Subpopulation of Pancreatic β -Cells for Hypoglycemia-induced Glucagon Secretion. <i>Journal of Biological Chemistry</i> , 2015, 290, 21432-21442.	3.4	40
16	Hypoxia lowers SLC30A8/ZnT8 expression and free cytosolic Zn ²⁺ in pancreatic beta cells. <i>Diabetologia</i> , 2014, 57, 1635-1644.	6.3	36
17	Animal Models of GWAS-Identified Type 2 Diabetes Genes. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-12.	2.3	28
18	Role of Zinc and Magnesium Ions in the Modulation of Phosphoryl Transfer in Protein Tyrosine Phosphatase 1B. <i>Journal of the American Chemical Society</i> , 2018, 140, 4446-4454.	13.7	23

#	ARTICLE	IF	CITATIONS
19	Ca ²⁺ signalling: a new route to NAADP. <i>Biochemical Journal</i> , 2008, 411, e1-e3.	3.7	7
20	Characterization of cyclic adenine dinucleotide phosphate ribose levels in human spermatozoa. <i>Fertility and Sterility</i> , 2006, 86, 891-898.	1.0	6
21	Zinc Transport in the Pancreatic Î²-Cell: Roles of ZnT (SLC30A) and ZiP (SLC39A) Family Members. , 2018, , 6047-6053.		0