Elisa A Bellomo

List of Publications by Year
in descending order

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	Role of Zinc and Magnesium Ions in the Modulation of Phosphoryl Transfer in Protein Tyrosine Phosphatase 1B. Journal of the American Chemical Society, 2018, 140, 4446-4454.	13.7	23
2	Zinc Transport in the Pancreatic Î²-Cell: Roles of ZnT (SLC30A) and ZiP (SLC39A) Family Members. , 2018, , 6047-6053.		0
3	Intracellular zinc in insulin secretion and action: a determinant of diabetes risk?. Proceedings of the Nutrition Society, 2016, 75, 61-72.	1.0	61
4	The metal face of protein tyrosine phosphatase 1B. Coordination Chemistry Reviews, 2016, 327-328, 70-83.	18.8	73
5	Molecular Genetic Regulation of Slc30a8/ZnT8 Reveals a Positive Association With Glucose Tolerance. Molecular Endocrinology, 2016, 30, 77-91.	3.7	59
6	The Zinc Transporter Slc30a8/ZnT8 Is Required in a Subpopulation of Pancreatic Î±-Cells for Hypoglycemia-induced Glucagon Secretion. Journal of Biological Chemistry, 2015, 290, 21432-21442.	3.4	40
7	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic Î² Cells. Journal of Biological Chemistry, 2015, 290, 21376-21392.	3.4	48
8	Sarco(endo)plasmic reticulum ATPase is a molecular partner of Wolfram syndrome 1 protein, which negatively regulates its expression. Human Molecular Genetics, 2015, 24, 814-827.	2.9	46
9	Zinc ions modulate protein tyrosine phosphatase 1B activity. Metallomics, 2014, 6, 1229-1239.	2.4	90
10	Mitochondrial and ER-Targeted eCALWY Probes Reveal High Levels of Free Zn²⁺. ACS Chemical Biology, 2014, 9, 2111-2120.	3.4	102
11	Hypoxia lowers SLC30A8/ZnT8 expression and free cytosolic Zn2+ in pancreatic beta cells. Diabetologia, 2014, 57, 1635-1644.	6.3	36
12	Animal Models of GWAS-Identified Type 2 Diabetes Genes. Journal of Diabetes Research, 2013, 2013, 1-12.	2.3	28
13	Lipotoxicity disrupts incretin-regulated human Î² cell connectivity. Journal of Clinical Investigation, 2013, 123, 4182-4194.	8.2	203
14	The Mitochondrial Ca2+ Uniporter MCU Is Essential for Glucose-Induced ATP Increases in Pancreatic Î²-Cells. PLoS ONE, 2012, 7, e39722.	2.5	146
15	Glucose Regulates Free Cytosolic Zn2+ Concentration, Slc39 (ZiP), and Metallothionein Gene Expression in Primary Pancreatic Islet Î²-Cells. Journal of Biological Chemistry, 2011, 286, 25778-25789.	3.4	102
16	Imaging dynamic insulin release using a fluorescent zinc indicator for monitoring induced exocytotic release (ZIMIR). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21063-21068.	7.1	133
17	Insulin Storage and Glucose Homeostasis in Mice Null for the Granule Zinc Transporter ZnT8 and Studies of the Type 2 Diabetesâ€“Associated Variants. Diabetes, 2009, 58, 2070-2083.	0.6	347
18	Genetically encoded FRET sensors to monitor intracellular Zn2+ homeostasis. Nature Methods, 2009, 6, 737-740.	19.0	395

#	Article	IF	Citations
19	Initiation and execution of lipotoxic ER stress in pancreatic Î²-cells. Journal of Cell Science, 2008, 121, 2308-2318.	2.0	512
20	Ca2+ signalling: a new route to NAADP. Biochemical Journal, 2008, 411, e1-e3.	3.7	7
21	Characterization of cyclic adenine dinucleotide phosphate ribose levels in human spermatozoa. Fertility and Sterility, 2006, 86, 891-898.	1.0	6