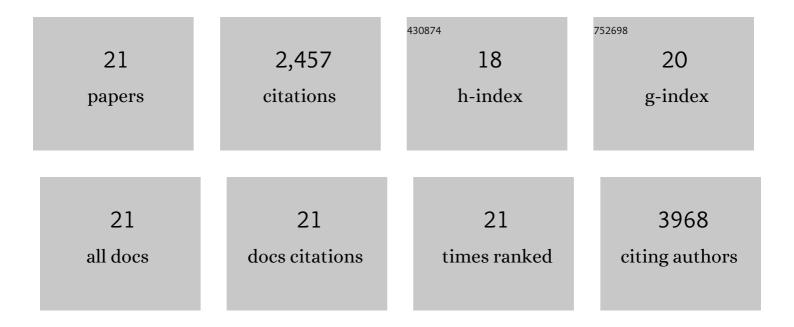
Elisa A Bellomo

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Initiation and execution of lipotoxic ER stress in pancreatic β-cells. Journal of Cell Science, 2008, 121, 2308-2318. | 2.0 | 512 |
| 2 | Genetically encoded FRET sensors to monitor intracellular Zn2+ homeostasis. Nature Methods, 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. Diabetes, 2009, 58, 2070-2083. | 0.6 | 347 |
| 4 | Lipotoxicity disrupts incretin-regulated human \hat{I}^2 cell connectivity. Journal of Clinical Investigation, 2013, 123, 4182-4194. | 8.2 | 203 |
| 5 | The Mitochondrial Ca2+ Uniporter MCU Is Essential for Glucose-Induced ATP Increases in Pancreatic β-Cells. PLoS ONE, 2012, 7, e39722. | 2.5 | 146 |
| 6 | 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 |
| 7 | Glucose Regulates Free Cytosolic Zn2+ Concentration, Slc39 (ZiP), and Metallothionein Gene Expression in Primary Pancreatic Islet β-Cells. Journal of Biological Chemistry, 2011, 286, 25778-25789. | 3.4 | 102 |
| 8 | Mitochondrial and ER-Targeted eCALWY Probes Reveal High Levels of Free Zn ²⁺ . ACS Chemical Biology, 2014, 9, 2111-2120. | 3.4 | 102 |
| 9 | Zinc ions modulate protein tyrosine phosphatase 1B activity. Metallomics, 2014, 6, 1229-1239. | 2.4 | 90 |
| 10 | The metal face of protein tyrosine phosphatase 1B. Coordination Chemistry Reviews, 2016, 327-328, 70-83. | 18.8 | 73 |
| 11 | Intracellular zinc in insulin secretion and action: a determinant of diabetes risk?. Proceedings of the Nutrition Society, 2016, 75, 61-72. | 1.0 | 61 |
| 12 | Molecular Genetic Regulation of Slc30a8/ZnT8 Reveals a Positive Association With Glucose Tolerance. Molecular Endocrinology, 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 Î ² Cells. Journal of Biological Chemistry, 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. Human Molecular Genetics, 2015, 24, 814-827. | 2.9 | 46 |
| 15 | The Zinc Transporter Slc30a8/ZnT8 Is Required in a Subpopulation of Pancreatic α-Cells for Hypoglycemia-induced Glucagon Secretion. Journal of Biological Chemistry, 2015, 290, 21432-21442. | 3.4 | 40 |
| 16 | Hypoxia lowers SLC30A8/ZnT8 expression and free cytosolic Zn2+ in pancreatic beta cells. Diabetologia, 2014, 57, 1635-1644. | 6.3 | 36 |
| 17 | Animal Models of GWAS-Identified Type 2 Diabetes Genes. Journal of Diabetes Research, 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. Journal of the American Chemical Society, 2018, 140, 4446-4454. | 13.7 | 23 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Ca2+ signalling: a new route to NAADP. Biochemical Journal, 2008, 411, e1-e3. | 3.7 | 7 |
| 20 | Characterization of cyclic adenine dinucleotide phosphate ribose levels in human spermatozoa. Fertility and Sterility, 2006, 86, 891-898. | 1.0 | 6 |
| 21 | Zinc Transport in the Pancreatic β-Cell: Roles of ZnT (SLC30A) and ZiP (SLC39A) Family Members. , 2018, , 6047-6053. | | 0 |