

# Felix A Ruiz

## List of Publications by Year in descending order

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34  
papers

2,487  
citations

218677

26  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Platelet Dense Granules Contain Polyphosphate and Are Similar to Acidocalcisomes of Bacteria and Unicellular Eukaryotes. <i>Journal of Biological Chemistry</i> , 2004, 279, 44250-44257.	3.4	375
2	The Polyphosphate Bodies of <i>Chlamydomonas reinhardtii</i> Possess a Proton-pumping Pyrophosphatase and Are Similar to Acidocalcisomes. <i>Journal of Biological Chemistry</i> , 2001, 276, 46196-46203.	3.4	184
3	Identification of Organelles in Bacteria Similar to Acidocalcisomes of Unicellular Eukaryotes. <i>Journal of Biological Chemistry</i> , 2003, 278, 29971-29978.	3.4	164
4	Methionine Adenosyltransferase S-Nitrosylation Is Regulated by the Basic and Acidic Amino Acids Surrounding the Target Thiol. <i>Journal of Biological Chemistry</i> , 1999, 274, 17075-17079.	3.4	137
5	Rapid Changes in Polyphosphate Content within Acidocalcisomes in Response to Cell Growth, Differentiation, and Environmental Stress in <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 26114-26121.	3.4	136
6	Polyphosphate Is a Novel Pro-inflammatory Regulator of Mast Cells and Is Located in Acidocalcisomes. <i>Journal of Biological Chemistry</i> , 2012, 287, 28435-28444.	3.4	119
7	Nitric oxide inactivates rat hepatic methionine adenosyltransferase in vivo by S-nitrosylation. <i>Hepatology</i> , 1998, 28, 1051-1057.	7.3	118
8	Calcium-mediated protein secretion potentiates motility in <i>Toxoplasma gondii</i> . <i>Journal of Cell Science</i> , 2004, 117, 5739-5748.	2.0	112
9	A Vacuolar-type H <sup>+</sup> -Pyrophosphatase Governs Maintenance of Functional Acidocalcisomes and Growth of the Insect and Mammalian Forms of <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 37369-37376.	3.4	97
10	Acidocalcisomes Are Functionally Linked to the Contractile Vacuole of <i>Dictyostelium discoideum</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 8146-8153.	3.4	89
11	Organellar Proteomics of Human Platelet Dense Granules Reveals That 14-3-3 $\sigma$ Is a Granule Protein Related to Atherosclerosis. <i>Journal of Proteome Research</i> , 2007, 6, 4449-4457.	3.7	83
12	Myeloma cells contain high levels of inorganic polyphosphate which is associated with nucleolar transcription. <i>Haematologica</i> , 2012, 97, 1264-1271.	3.5	77
13	A Pyrophosphatase Regulating Polyphosphate Metabolism in Acidocalcisomes Is Essential for <i>Trypanosoma brucei</i> Virulence in Mice. <i>Journal of Biological Chemistry</i> , 2004, 279, 3420-3425.	3.4	74
14	Inorganic polyphosphate and specific induction of apoptosis in human plasma cells. <i>Haematologica</i> , 2006, 91, 1180-6.	3.5	74
15	Ionophore-resistant mutant of <i>Toxoplasma gondii</i> reveals involvement of a sodium/hydrogen exchanger in calcium regulation. <i>Journal of Cell Biology</i> , 2004, 165, 653-662.	5.2	73
16	The acidocalcisome Ca <sup>2+</sup> -ATPase (TgA1) of <i>Toxoplasma gondii</i> is required for polyphosphate storage, intracellular calcium homeostasis and virulence. <i>Molecular Microbiology</i> , 2004, 55, 1034-1045.	2.5	68
17	Homocysteine inhibits proliferation of neuronal precursors in the mouse adult brain by impairing the basic fibroblast growth factor signaling cascade and reducing extracellular regulated kinase 1/2-dependent cyclin E expression. <i>FASEB Journal</i> , 2008, 22, 3823-3835.	0.5	59
18	Screening a Protein Array with Synthetic Biotinylated Inorganic Polyphosphate To Define the Human PolyP-ome. <i>ACS Chemical Biology</i> , 2018, 13, 1958-1963.	3.4	49

#	ARTICLE	IF	CITATIONS
19	Polyphosphate Content and Fine Structure of Acidocalcisomes of <i>Plasmodium falciparum</i> . <i>Microscopy and Microanalysis</i> , 2004, 10, 563-567.	0.4	44
20	Characterization of Isolated Acidocalcisomes from <i>Toxoplasma gondii</i> Tachyzoites Reveals a Novel Pool of Hydrolyzable Polyphosphate. <i>Journal of Biological Chemistry</i> , 2002, 277, 48650-48656.	3.4	41
21	TcSCA Complements Yeast Mutants Defective in Ca <sup>2+</sup> Pumps and Encodes a Ca <sup>2+</sup> -ATPase That Localizes to the Endoplasmic Reticulum of <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 32437-32445.	3.4	40
22	Regulation of Mammalian Liver Methionine Adenosyltransferase. <i>Journal of Nutrition</i> , 2002, 132, 2377S-2381S.	2.9	40
23	An Acidocalcisomal Exopolyphosphatase from <i>Leishmania major</i> with High Affinity for Short Chain Polyphosphate. <i>Journal of Biological Chemistry</i> , 2002, 277, 50899-50906.	3.4	39
24	High negative charge-to-size ratio in polyphosphates and heparin regulates factor $\alpha$ -VIIa activating protease. <i>FEBS Journal</i> , 2009, 276, 4828-4839.	4.7	36
25	Overexpression of a Zn <sup>2+</sup> -sensitive Soluble Exopolyphosphatase from <i>Trypanosoma cruzi</i> Depletes Polyphosphate and Affects Osmoregulation. <i>Journal of Biological Chemistry</i> , 2007, 282, 32501-32510.	3.4	33
26	Polyphosphate binds to human von Willebrand factor in vivo and modulates its interaction with glycoprotein Ib. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 2315-2323.	3.8	28
27	A novel PKC activating molecule promotes neuroblast differentiation and delivery of newborn neurons in brain injuries. <i>Cell Death and Disease</i> , 2020, 11, 262.	6.3	17
28	Phosphate Restriction Promotes Longevity via Activation of Autophagy and the Multivesicular Body Pathway. <i>Cells</i> , 2021, 10, 3161.	4.1	17
29	Creation of a functional S-nitrosylation site in vitro by single point mutation. <i>FEBS Letters</i> , 1999, 459, 319-322.	2.8	14
30	Effects of classical PKC activation on hippocampal neurogenesis and cognitive performance: mechanism of action. <i>Neuropsychopharmacology</i> , 2021, 46, 1207-1219.	5.4	13
31	Targeting Protein Kinase C in Glioblastoma Treatment. <i>Biomedicines</i> , 2021, 9, 381.	3.2	13
32	NOA36 Protein Contains a Highly Conserved Nucleolar Localization Signal Capable of Directing Functional Proteins to the Nucleolus, in Mammalian Cells. <i>PLoS ONE</i> , 2013, 8, e59065.	2.5	11
33	Biomarkers of the prothrombotic state in abdominal obesity. <i>Nutricion Hospitalaria</i> , 2014, 31, 1059-66.	0.3	9
34	Novel assay for prothrombotic polyphosphates in plasma reveals their correlation with obesity. <i>Thrombosis Research</i> , 2016, 144, 53-55.	1.7	4