# Ana M Mata

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3778279/publications.pdf

Version: 2024-02-01

| 67 | 1,753 | 304743 | 289244 |
|---|---|---|---|
| papers | citations | 22 h-index | 40 g-index |

| 69 | 69 | 69 | 1451 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Design and Experimental Evaluation of a Peptide Antagonist against Amyloid Î²(1â€“42) Interactions with Calmodulin and Calbindin-D28k. International Journal of Molecular Sciences, 2022, 23, 2289. | 4.1 | 4 |
| 2 | The Plasma Membrane Ca2+-ATPase, a Molecular Target for Tau-induced Cytosolic Calcium Dysregulation. Neuroscience, 2022, , . | 2.3 | 3 |
| 3 | Special Issue â€œMolecular and Cellular Mechanisms of Action of Markers of Tissue Degenerationâ€• International Journal of Molecular Sciences, 2022, 23, 6358. | 4.1 | 0 |
| 4 | The endoplasmic reticulum Ca<sup>2+</sup>â€<scp>ATPase SERCA2b</scp> is upregulated in activated microglia and its inhibition causes opposite effects on migration and phagocytosis. Glia, 2021, 69, 842-857. | 4.9 | 10 |
| 5 | Binding of Amyloid Î²(1â€“42)-Calmodulin Complexes to Plasma Membrane Lipid Rafts in Cerebellar Granule Neurons Alters Resting Cytosolic Calcium Homeostasis. International Journal of Molecular Sciences, 2021, 22, 1984. | 4.1 | 14 |
| 6 | The Relevance of Amyloid Î²-Calmodulin Complexation in Neurons and Brain Degeneration in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 4976. | 4.1 | 13 |
| 7 | Sorcin Activates the Brain PMCA and Blocks the Inhibitory Effects of Molecular Markers of Alzheimerâ€™s Disease on the Pump Activity. International Journal of Molecular Sciences, 2021, 22, 6055. | 4.1 | 9 |
| 8 | Gold Compounds Inhibit the Ca2+-ATPase Activity of Brain PMCA and Human Neuroblastoma SH-SY5Y Cells and Decrease Cell Viability. Metals, 2021, 11, 1934. | 2.3 | 7 |
| 9 | Methylene Blue Blocks and Reverses the Inhibitory Effect of Tau on PMCA Function. International Journal of Molecular Sciences, 2019, 20, 3521. | 4.1 | 12 |
| 10 | Functional interplay between plasma membrane Ca2+-ATPase, amyloid Î²-peptide and tau. Neuroscience Letters, 2018, 663, 55-59. | 2.1 | 20 |
| 11 | Methylene blue activates the PMCA activity and cross-interacts with amyloid Î²-peptide, blocking AÎ²-mediated PMCA inhibition. Neuropharmacology, 2018, 139, 163-172. | 4.1 | 15 |
| 12 | STIM1 deficiency is linked to Alzheimerâ€™s disease and triggers cell death in SH-SY5Y cells by upregulation of L-type voltage-operated Ca2+ entry. Journal of Molecular Medicine, 2018, 96, 1061-1079. | 3.9 | 54 |
| 13 | High affinity binding of amyloid Î² -peptide to calmodulin: Structural and functional implications. Biochemical and Biophysical Research Communications, 2017, 486, 992-997. | 2.1 | 37 |
| 14 | Phospholipids and calmodulin modulate the inhibition of PMCA activity by tau. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1028-1035. | 4.1 | 16 |
| 15 | An improved method for expression and purification of functional human Ca2+ transporter PMCA4b in Saccharomyces cerevisiae. Protein Expression and Purification, 2016, 120, 51-58. | 1.3 | 2 |
| 16 | Inhibition of PMCA activity by tau as a function of aging and Alzheimer's neuropathology. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1465-1476. | 3.8 | 30 |
| 17 | Presynaptic Control of Glycine Transporter 2 (GlyT2) by Physical and Functional Association with Plasma Membrane Ca2+-ATPase (PMCA) and Na+-Ca2+ Exchanger (NCX). Journal of Biological Chemistry, 2014, 289, 34308-34324. | 3.4 | 26 |
| 18 | Heterologous Microarray Analysis of Transcriptome Alterations inMus spretusMice Living in an Industrial Settlement. Environmental Science & Technology, 2014, 48, 2183-2192. | 10.0 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High levels of <scp>M</scp>n<sup>2+</sup> inhibit secretory pathway <scp>C</scp>a<sup>2+</sup>/<scp>M</scp>n<sup>2+</sup>â€<scp>ATP</scp>ase (<scp>SPCA</scp>) activity and cause Golgi fragmentation in neurons and glia. Journal of Neurochemistry, 2012, 123, 824-836. | 3.9 | 16 |
| 20 | Calmodulin Prevents the Inhibitory Effect of Neurotoxic Î²-Amyloid Peptide on Synaptosomal Plasma Membrane Ca2+-ATPase. Biophysical Journal, 2012, 102, 508a. | 0.5 | 0 |
| 21 | Calmodulin antagonizes amyloid-Î² peptides-mediated inhibition of brain plasma membrane Ca2+-ATPase. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 961-969. | 3.8 | 40 |
| 22 | Evaluation of manganese uptake and toxicity in mouse brain during continuous MnCl<sub>2</sub> administration using osmotic pumps. Contrast Media and Molecular Imaging, 2012, 7, 426-434. | 0.8 | 44 |
| 23 | Impairment of the activity of the plasma membrane Ca2+-ATPase in Alzheimer's disease. Biochemical Society Transactions, 2011, 39, 819-822. | 3.4 | 23 |
| 24 | Impairment of PMCA Activity by Amyloid Î²-Peptide in Membranes from Alzheimer's Disease-Affected Brain and from Other Model Systems. Biophysical Journal, 2010, 98, 170a. | 0.5 | 0 |
| 25 | Plasma membrane Ca<sup>2+</sup>-ATPases in the nervous system during development and ageing. World Journal of Biological Chemistry, 2010, 1, 229. | 4.3 | 20 |
| 26 | Silencing the SPCA1 (Secretory Pathway Ca<sup>2+</sup>-ATPase Isoform 1) Impairs Ca<sup>2+</sup>Homeostasis in the Golgi and Disturbs Neural Polarity. Journal of Neuroscience, 2009, 29, 12174-12182. | 3.6 | 57 |
| 27 | Altered Ca <sup>2+</sup> dependence of synaptosomal plasma membrane Ca <sup>2+</sup> â€ATPase in human brain affected by Alzheimer's disease. FASEB Journal, 2009, 23, 1826-1834. | 0.5 | 63 |
| 28 | Ontogeny of ATP hydrolysis and isoform expression of the Plasma Membrane Ca2+-ATPase in mouse brain. BMC Neuroscience, 2009, 10, 112. | 1.9 | 24 |
| 29 | Activity and localization of the Secretory Pathway Ca2+-ATPase isoform 1 (SPCA1) in different areas of the mouse brain during postnatal development. Molecular and Cellular Neurosciences, 2008, 38, 461-473. | 2.2 | 29 |
| 30 | Developmental distribution of plasma membrane Ca2+-ATPase isoforms in chick cerebellum. Developmental Dynamics, 2007, 236, 1227-1236. | 1.8 | 19 |
| 31 | Functional and immunocytochemical evidence for the expression and localization of the secretory pathway Ca2+-ATPase isoform 1 (SPCA1) in cerebellum relative to other Ca2+pumps. Journal of Neurochemistry, 2007, 103, 1009-1018. | 3.9 | 31 |
| 32 | The Plasma Membrane Ca2+-ATPase Isoform 4 Is Localized in Lipid Rafts of Cerebellum Synaptic Plasma Membranes. Journal of Biological Chemistry, 2006, 281, 447-453. | 3.4 | 90 |
| 33 | Localization of intracellular and plasma membrane Ca 2+ â€ATPases in the cerebellum. Cerebellum, 2005, 4, 82-89. | 2.5 | 2 |
| 34 | A developmental profile of the levels of calcium pumps in chick cerebellum. Journal of Neurochemistry, 2005, 95, 673-683. | 3.9 | 21 |
| 35 | Calcium pumps in the central nervous system. Brain Research Reviews, 2005, 49, 398-405. | 9.0 | 41 |
| 36 | Glycogen Synthase Kinase-3 Plays a Crucial Role in Tau Exon 10 Splicing and Intranuclear Distribution of SC35. Journal of Biological Chemistry, 2004, 279, 3801-3806. | 3.4 | 122 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Localization of endoplasmic reticulum and plasma membrane Ca2+-ATPases in subcellular fractions and sections of pig cerebellum. European Journal of Neuroscience, 2004, 19, 542-551. | 2.6 | 28 |
| 38 | Ca2+Transport by the Synaptosomal Plasma Membrane Ca2+-ATPase and the Effect of Thioridazineâ€. Biochemistry, 2004, 43, 2353-2358. | 2.5 | 19 |
| 39 | The interaction of ethanol with reconstituted synaptosomal plasma membrane Ca2+-ATPase. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1665, 75-80. | 2.6 | 25 |
| 40 | Effect of spermine on the activity of synaptosomal plasma membrane Ca2+-ATPase reconstituted in neutral or acidic phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1611, 197-203. | 2.6 | 10 |
| 41 | Characterization of the Intracellular and the Plasma Membrane Ca2+-ATPases in Fractionated Pig Brain Membranes Using Calcium Pump Inhibitors. Archives of Biochemistry and Biophysics, 1998, 351, 272-278. | 3.0 | 22 |
| 42 | Ca2+ Transport by Reconstituted Synaptosomal ATPase Is Associated with H+ Countertransport and Net Charge Displacement. Journal of Biological Chemistry, 1998, 273, 18230-18234. | 3.4 | 65 |
| 43 | EVIDENCE THAT AN ANTI-SERCA1 MONOCLONAL ANTIBODY RECOGNIZES THE SERCA2b CALCIUM PUMP IN PIG BRAIN. Biochemical Society Transactions, 1997, 25, 169S-169S. | 3.4 | 0 |
| 44 | Purification of the synaptosomal plasma membrane (Ca2+ + Mg2+)-ATPase from pig brain. Biochemical Journal, 1996, 315, 183-187. | 3.7 | 42 |
| 45 | Identification of two types of Ca2+ transport ATPases in pig brain by specific antibodies. Biochemical Society Transactions, 1995, 23, 571S-571S. | 3.4 | 2 |
| 46 | The Modulation of Ca2+ Binding to Sarcoplasmic Reticulum ATPase by ATP Analogues Is pH-dependent. Journal of Biological Chemistry, 1995, 270, 27160-27164. | 3.4 | 22 |
| 47 | Localization of Cys-344 on the (Ca2+ â^'Mg2+)-ATPase of sarcoplasmic reticulum using resonance energy transfer. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1147, 6-12. | 2.6 | 18 |
| 48 | Evidence for the lumenal location of the 53 kDa glycoprotein of sarcoplasmic reticulum. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1146, 265-274. | 2.6 | 0 |
| 49 | Reactivity of lysyl residues on the (calcium-magnesium)-ATPase to 7-amino-4-methylcoumarin-3-acetic acid succinimidyl ester. Biochemistry, 1993, 32, 356-362. | 2.5 | 17 |
| 50 | Labeling the calcium-magnesium-ATPase of sarcoplasmic reticulum at Glu-439 with 5-(bromomethyl)fluorescein. Biochemistry, 1993, 32, 6095-6103. | 2.5 | 21 |
| 51 | Studies of the structure and function of sarcoplasmic reticulum (Ca2+-Mg2+)-ATPase using immunological approaches. Biochemical Society Transactions, 1992, 20, 550-554. | 3.4 | 3 |
| 52 | An examination of the transmembranous organisation of the sarcoplasmic reticulum (Ca2+-Mg2+)-ATPase using antipeptide antibodies. Biochemical Society Transactions, 1992, 20, 308S-308S. | 3.4 | 0 |
| 53 | Mapping epitopes on the (Ca2+Mg2+)-ATPase of sarcoplasmic reticulum using fusion proteins. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 585-592. | 2.4 | 11 |
| 54 | Chemical crosslinking and enzyme kinetics provide no evidence for a regulatory role for the 53 kDa glycoprotein of sarcoplasmic reticulum in calcium transport. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1064, 139-147. | 2.6 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | The effect of a monoclonal antibody on specific steps of the reaction sequence of the (Ca2+-Mg2+)-ATPase from sarcoplasmic reticulum. Biochemical Society Transactions, 1991, 19, 205S-205S. | 3.4 | 0 |
| 56 | Effect of the detergent C12E8 on the binding of monoclonal antibodies to the (Ca2+-Mg2+)-ATPase of rabbit skeletal sarcoplasmic reticulum. Biochemical Society Transactions, 1990, 18, 603-603. | 3.4 | 2 |
| 57 | Distribution of two distinct Ca2+ -ATPase-like proteins and their relationships to the agonist-sensitive calcium store in adrenal chromaff in cells. Nature, 1989, 342, 72-74. | 27.8 | 205 |
| 58 | Evidence for the cytoplasmic location of the N- and C-terminal segments of sarcoplasmic reticulum (Ca2+î—¸Mg2+)-ATPase. Biochemical and Biophysical Research Communications, 1989, 161, 683-688. | 2.1 | 46 |
| 59 | Probing the nucleotide-binding site of sarcoplasmic reticulum (Ca2+ -Mg2+ )-ATPase with anti-fluorescein antibodies. FEBS Letters, 1989, 253, 273-275. | 2.8 | 11 |
| 60 | Use of anti-peptide antibodies to study the transmembranous topography and structure-activity relationships of (Ca2+-Mg2+)-ATPase. Biochemical Society Transactions, 1989, 17, 708-709. | 3.4 | 3 |
| 61 | Use of antibodies to detect chemically cross-linked products from sarcoplasmic reticulum. Biochemical Society Transactions, 1989, 17, 1103-1104. | 3.4 | 0 |
| 62 | Probing the nucleotide binding site of sarcoplasmic reticulum (Ca2+ -Mg2)-ATPase with anti-fluorescein antibodies. Biochemical Society Transactions, 1989, 17, 1105-1106. | 3.4 | 0 |
| 63 | Effect of monoclonal antibodies raised against Ca2+,Mg2+-ATPase from rabbit skeletal muscle sarcoplasmic reticulum on ATPase activity and its correlation with epitope location. Biochemical Society Transactions, 1988, 16, 771-772. | 3.4 | 0 |
| 64 | The position of the ATP binding site on the (Ca2+ + Mg2+)-ATPase. Biochimica Et Biophysica Acta - Biomembranes, 1987, 897, 207-216. | 2.6 | 68 |
| 65 | The redox interconversion mechanism of Saccahromyces cerevisiae glutathione reductase. FEBS Journal, 1985, 151, 275-281. | 0.2 | 21 |
| 66 | Dependence of the fluorescence of fluorescein labelled (Ca2+, Mg2+)-ATPase upon the lipid to protein ratio in sarcoplasmic reticulum reconstituted systems. Biochemical and Biophysical Research Communications, 1985, 133, 176-182. | 2.1 | 14 |
| 67 | Reversible inactivation of Saccharomyces cerevisiae glutathione reductase under reducing conditions. Archives of Biochemistry and Biophysics, 1984, 228, 1-12. | 3.0 | 136 |