

Maria Ida De Michelis

List of Publications by Year in descending order

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57
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1374
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#	ARTICLE	IF	CITATIONS
1	H ⁺ -Pumping Driven by the Vanadate-Sensitive ATPase in Membrane Vesicles from Corn Roots. <i>Plant Physiology</i> , 1986, 81, 542-547.	4.8	163
2	Plant neurobiology: no brain, no gain?. <i>Trends in Plant Science</i> , 2007, 12, 135-136.	8.8	146
3	Cellular Ca ²⁺ Signals Generate Defined pH Signatures in Plants. <i>Plant Cell</i> , 2018, 30, 2704-2719.	6.6	141
4	At-ACA8 Encodes a Plasma Membrane-Localized Calcium-ATPase of Arabidopsis with a Calmodulin-Binding Domain at the N Terminus. <i>Plant Physiology</i> , 2000, 123, 1495-1506.	4.8	120
5	The Ca ²⁺ -Transport ATPase of Plant Plasma Membrane Catalyzes a nH ⁺ /Ca ²⁺ Exchange. <i>Plant Physiology</i> , 1987, 83, 994-1000.	4.8	109
6	H ⁺ -Pumping Driven by the Plasma Membrane ATPase in Membrane Vesicles from Radish: Stimulation by Fusicoccin. <i>Plant Physiology</i> , 1986, 82, 121-125.	4.8	94
7	The plant Ca ²⁺ -ATPase repertoire: biochemical features and physiological functions. <i>Plant Biology</i> , 2011, 13, 421-430.	3.8	78
8	3-O-Methyl glucose uptake stimulation by auxin and by fusicoccin in plant materials and its relationships with proton extrusion. <i>Planta</i> , 1978, 138, 249-256.	3.2	77
9	Ca ²⁺ -dependent phosphoregulation of the plasma membrane Ca ²⁺ -ATPase ACA8 modulates stimulus-induced calcium signatures. <i>Journal of Experimental Botany</i> , 2017, 68, 3215-3230.	4.8	72
10	Identification and Characterization of the Ca ²⁺ -ATPase which Drives Active Transport of Ca ²⁺ at the Plasma Membrane of Radish Seedlings. <i>Plant Physiology</i> , 1989, 90, 1429-1434.	4.8	67
11	The Plant Plasma Membrane Ca ²⁺ Pump ACA8 Contains Overlapping as Well as Physically Separated Autoinhibitory and Calmodulin-binding Domains. <i>Journal of Biological Chemistry</i> , 2006, 281, 1058-1065.	3.4	57
12	Fusicoccin Binding to Its Plasma Membrane Receptor and the Activation of the Plasma Membrane H ⁺ -ATPase1. <i>Plant Physiology</i> , 1998, 116, 529-537.	4.8	53
13	Electrogenic Transport of Protons Driven by the Plasma Membrane ATPase in Membrane Vesicles from Radish. <i>Plant Physiology</i> , 1985, 77, 200-205.	4.8	52
14	The Ca ²⁺ Pump of the Plasma Membrane of Arabidopsis thaliana: Characteristics and Sensitivity to Fluorescein Derivatives. <i>Botanica Acta</i> , 1993, 106, 20-25.	1.6	46
15	Abscisic Acid Stimulates the Expression of Two Isoforms of Plasma Membrane Ca ²⁺ -ATPase in Arabidopsis thaliana Seedlings. <i>Plant Biology</i> , 2006, 8, 572-578.	3.8	46
16	Fusicoccin Binding to Its Plasma Membrane Receptor and the Activation of the Plasma Membrane H ⁺ -ATPase. <i>Plant Physiology</i> , 1989, 90, 133-139.	4.8	44
17	Effects of monovalent cations on IAA- and FC-stimulated proton-cation exchange in pea stem segments. <i>Plant Science Letters</i> , 1976, 7, 199-209.	1.8	41
18	Evidence for an electrogenic ATPase in microsomal vesicles from pea internodes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 642, 37-45.	2.6	35

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19	Phosphorylation of serine residues in the N-terminus modulates the activity of ACA8, a plasma membrane Ca ²⁺ -ATPase of <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 1215-1224.	4.8	35
20	Active transport of Ca ²⁺ in membrane vesicles from pea. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982, 693, 287-295.	2.6	33
21	Plasma Membrane Ca-ATPase of Radish Seedlings. <i>Plant Physiology</i> , 1992, 98, 1196-1201.	4.8	33
22	Purification of the Plasma Membrane Ca ²⁺ -ATPase from Radish Seedlings by Calmodulin-Agarose Affinity Chromatography ¹ . <i>Plant Physiology</i> , 1998, 116, 845-851.	4.8	33
23	Functional expression in yeast of an N-deleted form of At-ACA8, a plasma membrane Ca ²⁺ -ATPase of <i>Arabidopsis thaliana</i> , and characterization of a hyperactive mutant. <i>Planta</i> , 2004, 218, 814-823.	3.2	33
24	Phenylarsine Oxide Inhibits the Fusaric Acid-Induced Activation of Plasma Membrane H ⁺ -ATPase. <i>Plant Physiology</i> , 2000, 122, 463-470.	4.8	32
25	Involvement of the Plasma Membrane Ca ²⁺ -ATPase in the Short-Term Response of <i>Arabidopsis thaliana</i> Cultured Cells to Oligogalacturonides. <i>Plant Biology</i> , 2004, 6, 192-200.	3.8	32
26	A novel interaction partner for the C-terminus of <i>Arabidopsis thaliana</i> plasma membrane H ⁺ -ATPase (AHA1 isoform): site and mechanism of action on H ⁺ -ATPase activity differ from those of 14-3-3 proteins#. <i>Plant Journal</i> , 2002, 31, 487-497.	5.7	31
27	ACA12 is a deregulated isoform of plasma membrane Ca ²⁺ -ATPase of <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2014, 84, 387-397.	3.9	30
28	Fusaric Acid Binding to its Plasma Membrane Receptor and the Activation of the Plasma Membrane H ⁺ -ATPase. II. Stimulation of the H ⁺ -ATPase in a Plasma Membrane Fraction Purified by Phase-Partitioning. <i>Botanica Acta</i> , 1991, 104, 265-271.	1.6	29
29	H ⁺ /Ca ²⁺ exchange driven by the plasma membrane Ca ²⁺ -ATPase of <i>Arabidopsis thaliana</i> reconstituted in proteoliposomes after calmodulin-affinity purification. <i>FEBS Letters</i> , 2000, 482, 225-230.	2.8	28
30	Stimulation of plant plasma membrane Ca ²⁺ -ATPase activity by acidic phospholipids. <i>Physiologia Plantarum</i> , 2001, 112, 315-320.	5.2	28
31	Correlation between Oxygen Availability, Energy Charge, and Protein Synthesis in Squash Cotyledons Isolated from Germinating Seeds. <i>Plant Physiology</i> , 1978, 61, 85-88.	4.8	27
32	Plasma Membrane Ca-ATPase of Radish Seedlings. <i>Plant Physiology</i> , 1992, 98, 1202-1206.	4.8	26
33	Auto-inhibition of <i>Arabidopsis thaliana</i> plasma membrane Ca ²⁺ -ATPase involves an interaction of the N-terminus with the small cytoplasmic loop. <i>FEBS Letters</i> , 2004, 574, 20-24.	2.8	26
34	The ataxia related G1107D mutation of the plasma membrane Ca ²⁺ ATPase isoform 3 affects its interplay with calmodulin and the autoinhibition process. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 165-173.	3.8	25
35	Tyrosine Phosphorylation Inhibits the Interaction of 14-3-3 Proteins with the Plant Plasma Membrane H ⁺ -ATPase. <i>Plant Biology</i> , 2004, 6, 422-431.	3.8	24
36	Calmodulin/Ca ²⁺ -ATPase interaction at the <i>Arabidopsis thaliana</i> plasma membrane is dependent on calmodulin isoform showing isoform-specific Ca ²⁺ dependencies. <i>Physiologia Plantarum</i> , 2006, 126, 175-186.	5.2	22

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37	Characteristics and Regulatory Properties of the H ⁺ -ATPase in a Plasma Membrane Fraction Purified from <i>Arabidopsis thaliana</i> . <i>Botanica Acta</i> , 1993, 106, 13-19.	1.6	21
38	Dual mechanism of activation of plant plasma membrane Ca ²⁺ -ATPase by acidic phospholipids: Evidence for a phospholipid binding site which overlaps the calmodulin-binding site. <i>Molecular Membrane Biology</i> , 2008, 25, 539-546.	2.0	19
39	Single Point Mutations in the Small Cytoplasmic Loop of ACA8, a Plasma Membrane Ca ²⁺ -ATPase of <i>Arabidopsis thaliana</i> , Generate Partially Deregulated Pumps. <i>Journal of Biological Chemistry</i> , 2009, 284, 30881-30888.	3.4	19
40	A functional calcium-transporting ATPase encoded by chlorella viruses. <i>Journal of General Virology</i> , 2010, 91, 2620-2629.	2.9	18
41	Reconstitution of proton pumping activity of a plasma membrane ATPase purified from radish. <i>Plant Science Letters</i> , 1985, 37, 189-193.	1.8	16
42	The tonoplast H ⁺ -pyrophosphatase of radish seedlings: biochemical characteristics. <i>Physiologia Plantarum</i> , 1991, 83, 339-345.	5.2	16
43	Characterization of the interaction between the plasma membrane H ⁺ -ATPase of <i>Arabidopsis thaliana</i> and a novel interactor (PPI1). <i>FEBS Journal</i> , 2005, 272, 5864-5871.	4.7	16
44	Ca ²⁺ Pumps and Ca ²⁺ Antiporters in Plant Development. <i>Signaling and Communication in Plants</i> , 2011, , 133-161.	0.7	15
45	Effect of Mg ²⁺ , Triton X-100 and temperature on basal and FC-stimulated plasma membrane ATPase activity. <i>Plant Science</i> , 1988, 54, 117-124.	3.6	12
46	Changes in the Level and Activation State of the Plasma Membrane H ⁺ -ATPase during Aging of Red Beet Slices. <i>Plant Physiology</i> , 1997, 114, 857-862.	4.8	12
47	A Phosphopeptide Corresponding to the Cytosolic Stretch Connecting Transmembrane Segments 8 and 9 of the Plasma Membrane H ⁺ -ATPase Binds 14-3-3 Proteins and Inhibits Fusicoccin-Induced Activation of the H ⁺ -ATPase. <i>Plant Biology</i> , 2000, 2, 11-16.	3.8	12
48	On the inhibiting effect of oligomycin on Mg: ATP-dependent pH and pH in microsomal vesicles from radish. <i>Plant Science Letters</i> , 1984, 36, 111-117.	1.8	9
49	The Plasma Membrane Ca ²⁺ -Pump of Plant Cells: A Radiation Inactivation Study. <i>Botanica Acta</i> , 1990, 103, 39-41.	1.6	9
50	Multiple Effects of Lysophosphatidylcholine on the Activity of the Plasma Membrane H ⁺ -ATPase of Radish Seedlings*. <i>Botanica Acta</i> , 1997, 110, 43-48.	1.6	7
51	Heparin Stimulates a Plasma Membrane Ca ²⁺ -ATPase of <i>Arabidopsis thaliana</i> . <i>Journal of Biochemistry</i> , 2008, 143, 253-259.	1.7	7
52	Intracellular localisation of PPI1 (proton pump interactor, isoform 1), a regulatory protein of the plasma membrane H ⁺ -ATPase of <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 2009, 11, 869-877.	3.8	5
53	N-ethylmaleimide Modifies the Conformation of the Plasma Membrane H ⁺ -ATPase, Strengthening the Inhibitory Action of the C-terminal Domain ¹ . <i>Plant Biology</i> , 1999, 1, 192-197.	3.8	3
54	Plant Type 2B Ca ²⁺ -ATPases: The Diversity of Isoforms of the Model Plant <i>Arabidopsis thaliana</i> . , 2016, , 227-241.		2

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55	Effect of N-acetylimidazole on the activity and the regulatory properties of the plasma membrane H ⁺ -ATPase. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1995, 129, 1053-1054.	0.0	1
56	Dual effect of ADP on the activity of the plasma membrane H ⁺ -ATPase of red beet. <i>Physiologia Plantarum</i> , 1998, 104, 153-158.	5.2	1
57	The tonoplast H ⁺ -pyrophosphatase of radish seedlings: biochemical characteristics. <i>Physiologia Plantarum</i> , 1991, 83, 339-345.	5.2	1