Christer Larsson

List of Publications by Year
in descending order

60 papers	5,238 citations	87888 38 h-index	155660 55 g-index
60 all docs	60 docs citations	60 times ranked	3417 citing authors

#	Article	IF	Citations
1	Water Transport Activity of the Plasma Membrane Aquaporin PM28A Is Regulated by Phosphorylation. Plant Cell, 1998, 10, 451-459.	6.6	482
2	[52] Preparation of high-purity plasma membranes. Methods in Enzymology, 1987, , 558-568.	1.0	342
3	The role of aquaporins in cellular and whole plant water balance. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1465, 324-342.	2.6	313
4	Preparation and polypeptide composition of chlorophyll-free plasma membranes from leaves of light-grown spinach and barley. Physiologia Plantarum, 1984, 62, 501-509.	5.2	236
5	Arabidopsis Plasma Membrane Proteomics Identifies Components of Transport, Signal Transduction and Membrane Trafficking. Plant and Cell Physiology, 2004, 45, 1543-1556.	3.1	236
6	Phosphorylation of Thr-948 at the C Terminus of the Plasma Membrane H+-ATPase Creates a Binding Site for the Regulatory 14-3-3 Protein. Plant Cell, 1999, 11, 2379-2391.	6.6	213
7	[44] Isolation of highly purified plant plasma membranes and separation of inside-out and right-side-out vesicles. Methods in Enzymology, 1994, , 451-469.	1.0	195
8	Sealed Inside-Out and Right-Side-Out Plasma Membrane Vesicles. Plant Physiology, 1990, 92, 871-880.	4.8	184
9	Brij 58, a polyoxyethylene acyl ether, creates membrane vesicles of uniform sidedness. A new tool to obtain inside-out (cytoplasmic side-out) plasma membrane vesicles. Plant Journal, 1995, 7, 165-173.	5.7	184
10	Evolution of the 14-3-3 Protein Family: Does the Large Number of Isoforms in Multicellular Organisms Reflect Functional Specificity?. Journal of Molecular Evolution, 2000, 51, 446-458.	1.8	179
11	Plasma Membranes from Oats Prepared by Partition in an Aqueous Polymer Two-Phase System. Plant Physiology, 1982, 70, 1429-1435.	4.8	169
12	Data Mining the Arabidopsis Genome Reveals Fifteen 14-3-3 Genes. Expression Is Demonstrated for Two out of Five Novel Genes. Plant Physiology, 2001, 127, 142-149.	4.8	164
13	A Phosphothreonine Residue at the C-Terminal End of the Plasma Membrane H+-ATPase Is Protected by Fusicoccin-Induced 14â€“3â€“3 Binding. Plant Physiology, 1998, 118, 551-555.	4.8	135
14	Phosphorylation of Thr-948 at the C Terminus of the Plasma Membrane H + -ATPase Creates a Binding Site for the Regulatory 14-3-3 Protein. Plant Cell, 1999, 11, 2379.	6.6	131
15	Phase Partition-A Method for Purification and Analysis of Cell Organelles and Membrane Vesicles. Methods of Biochemical Analysis, 2006, 28, 115-150.	0.2	131
16	The Major Integral Proteins of Spinach Leaf Plasma Membranes Are Putative Aquaporins and Are Phosphorylated in Response to Ca 2+ and Apoplastic Water Potential. Plant Cell, 1996, 8, 1181.	6.6	126
17	The 14-3-3 Protein Interacts Directly with the C-Terminal Region of the Plant Plasma Membrane H + -ATPase. Plant Cell, 1997, 9, 1805.	6.6	113
18	Modification of the chloride requirement for photosynthetic O2 evolution. FEBS Letters, 1984, 168, 113-117.	2.8	109

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19	NAD(P)H oxidase and peroxidase activities in purified plasma membranes from cauliflower inflorescences. Physiologia Plantarum, 1987, 71, 9-19.	5.2	94
20	Effect of detergents on the H+-ATPase activity of inside-out and right-side-out plant plasma membrane vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1021, 133-140.	2.6	93
21	Fusicoccin Activates the Plasma Membrane H + -ATPase by a Mechanism Involving the C-Terminal Inhibitory Domain. Plant Cell, 1993, 5, 321.	6.6	83
22	Distribution of ATPases in wheat root membranes separated by phase partition. Physiologia Plantarum, 1981, 52, 89-95.	5.2	78
23	Inside-out plant plasma membrane vesicles of high purity obtained by aqueous two-phase partitioning. FEBS Letters, 1988, 229, 289-292.	2.8	78
24	Differential phosphorylation of the light-harvesting chlorophyll-protein complex in appressed and non-appressed regions of the thylakoid membrane. FEBS Letters, 1982, 149, 181-185.	2.8	70
25	Evolution and isoform specificity of plant 14-3-3 proteins. Plant Molecular Biology, 2002, 50, 1011-1018.	3.9	66
26	Proteomics of Plasma Membranes from Poplar Trees Reveals Tissue Distribution of Transporters, Receptors, and Proteins in Cell Wall Formation. Molecular and Cellular Proteomics, 2010, 9, 368-387.	3.8	61
27	Plasma Membrane H+-ATPase and 14-3-3 Isoforms of Arabidopsis Leaves: Evidence for Isoform Specificity in the 14-3-3/H+-ATPase Interaction. Plant and Cell Physiology, 2004, 45, 1202-1210.	3.1	60
28	Surface Properties of Right Side-Out Plasma Membrane Vesicles Isolated from Barley Roots and Leaves. Plant Physiology, 1985, 79, 72-79.	4.8	58
29	Characterization of three classes of chloroplasts obtained by counter-current distribution. Biochimica Et Biophysica Acta - Bioenergetics, 1971, 245, 425-438.	1.0	55
30	Lipid composition of plasma membranes isolated from light-grown barley (Hordeum vulgare) leaves: Identification of cerebroside as a major component. Archives of Biochemistry and Biophysics, 1987, 255, 385-391.	3.0	55
31	Activation of 1,3-beta-glucan synthase by Ca2+, spermine and cellobiose. - Localization of activator sites using inside-out plasma membrane vesicles. Physiologia Plantarum, 1989, 77, 196-201.	5.2	53
32	Enzymes Related to Serine Synthesis in Spinach Chloroplasts. Physiologia Plantarum, 1979, 45, 7-10.	5.2	52
33	Cytochromes of plant plasma membranes. Characterization by absorbance difference spectrophotometry and redox titration. Physiologia Plantarum, 1989, 76, 123-134.	5.2	50
34	Photosynthetic 14CO2 fixation by chloroplast populations isolated by a polymer two-phase technique. Biochimica Et Biophysica Acta - Bioenergetics, 1974, 357, 412-419.	1.0	49
35	Biosynthesis of aromatic amino acids by highly purified spinach chloroplasts - Compartmentation and regulation of the reactions. Physiologia Plantarum, 1986, 68, 641-647.	5.2	49
36	Localization of donor and acceptor sites of NADH dehydrogenase activities using inside-out and right-side-out plasma membrane vesicles from plants. FEBS Letters, 1988, 239, 23-28.	2.8	48

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37	PreparatiÃ¶n of mitochondria from gree leaves of spinach by differential centrifugation and phase partition. Plant Science Letters, 1978, 13, 231-239.	1.8	47
38	CYTOCHROME P-450/420 IN PLANT PLASMA MEMBRANES: A POSSIBLE COMPONENT OF THE BLUE-LIGHT-REDUCIBLE FLAVOPROTEIN-CYTOCHROME COMPLEX. Photochemistry and Photobiology, 1985, 42, 779-783.	2.5	46
39	An abundant TIP expressed in mature highly vacuolated cells. Plant Journal, 2000, 21, 83-90.	5.7	43
40	Reinvestigation of auxin and fusicoccin stimulation of the plasma-membrane H+-ATPase activity. Planta, 1996, 199, 359.	3.2	37
41	The sucrose carrier of the plant plasma membrane. I. Differential affinity labeling. Biochimica Et Biophysica Acta - Biomembranes, 1989, 978, 56-64.	2.6	34
42	Isolation and polypeptide composition of l,3-ss-glucan synthase from plasma membranes of Brassica oleracea. Physiologia Plantarum, 1991, 81, 289-294.	5.2	31
43	On the presence of inside-out plasma membrane vesicles and vanadate-inhibited K+,Mg2+-ATPase in microsomal fractions from wheat and maize roots. Physiologia Plantarum, 1989, 77, 12-19.	5.2	28
44	Compartmentation and export of 14CO2 fixation products in mesophyll protoplasts from the C4-plant Digitaria sanguinalis. Archives of Biochemistry and Biophysics, 1981, 208, 121-130.	3.0	27
45	Rapid purification of the plasma membrane H+-ATPase in its non-activated form using FPLC. Physiologia Plantarum, 1994, 92, 389-396.	5.2	25
46	Highly purified intact chloroplasts from mesophyll protoplasts of the C4 plant Digitaria sanguinalis. Inhibition of phosphoglycerate reduction by orthophosphate and by phosphoenolpyruvate. Physiologia Plantarum, 1983, 57, 330-338.	5.2	18
47	Purification and Proteomic Analysis of Plant Plasma Membranes. Methods in Molecular Biology, 2008, 432, 161-173.	0.9	18
48	Scanning electron microscopy of different populations of chloroplasts isolated by phase partition. Plant Science Letters, 1977, 8, 291-298.	1.8	16
49	14CO2 Fixation and Compartmentation of Carbon Metabolism in a Recombined Chloroplast-'Cytoplasm' System. Physiologia Plantarum, 1979, 46, 221-226.	5.2	13
50	Relative Abundance of Integral Plasma Membrane Proteins in Arabidopsis Leaf and Root Tissue Determined by Metabolic Labeling and Mass Spectrometry. PLoS ONE, 2013, 8, e71206.	2.5	13
51	Activators and inhibitors of the plant plasma membrane 1,3-Î²-glucan synthase. Biochemical Society Transactions, 1992, 20, 710-713.	3.4	10
52	Properties of chloroplasts isolated by phase partition. Molecular and Cellular Biochemistry, 1976, 11, 183-189.	3.1	9
53	Redox Components in the Plant Plasma Membrane. , 1988, , 57-69.		7
54	Multiple regulatory sites in the C-terminal autoinhibitory domain of the plasma membrane H+-ATPase. Plant Journal, 1995, 8, 959-962.	5.7	6

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55	A Study of DNA from Chloroplasts Separated by Counter-current Distribution.. Acta Chemica Scandinavica, 1975, 29b, 838-842.	0.7	6
56	Isolation of Plant Plasma Membranes and Production of Inside-Out Vesicles. , 2000, , 159-166.		4
57	Antibody inhibition of external aldolase activity in spinach chloroplast preparations. Physiologia Plantarum, 1980, 49, 378-382.	5.2	2
58	Partitioning of Plant Cells, Cell Walls, Membranes, and Organelles. , 1985, , 497-527.		2
59	Isolation of Plasma Membrane Vesicles from Leaves of Spinach and Barley, Useful for Studies on Transport of Carbon Assimilation Products. , 1984, , 673-676.		1
60	Poplar Proteomics. , 2011, , 128-165.		1