Anja Thoe Fuglsang

List of Publications by Year
in descending order

59 papers	4,951 citations	186265 28 h-index	149698 56 g-index
61 all docs	61 docs citations	61 times ranked	5379 citing authors

#	Article	IF	Citations
1	Root Plasma Membrane Transporters Controlling K+/Na+ Homeostasis in Salt-Stressed Barley. Plant Physiology, 2007, 145, 1714-1725.	4.8	458
2	Plasma Membrane H + -ATPase Regulation in the Center of Plant Physiology. Molecular Plant, 2016, 9, 323-337.	8.3	391
3	Arabidopsis Protein Kinase PKS5 Inhibits the Plasma Membrane H+-ATPase by Preventing Interaction with 14-3-3 Protein. Plant Cell, 2007, 19, 1617-1634.	6.6	388
4	Binding of 14-3-3 Protein to the Plasma Membrane H+-ATPase AHA2 Involves the Three C-terminal Residues Tyr946-Thr-Val and Requires Phosphorylation of Thr947. Journal of Biological Chemistry, 1999, 274, 36774-36780.	3.4	311
5	Temporal Analysis of Sucrose-induced Phosphorylation Changes in Plasma Membrane Proteins of Arabidopsis. Molecular and Cellular Proteomics, 2007, 6, 1711-1726.	3.8	251
6	RIN4 Functions with Plasma Membrane H+-ATPases to Regulate Stomatal Apertures during Pathogen Attack. PLoS Biology, 2009, 7, e1000139.	5.6	240
7	The 14-3-3 protein interacts directly with the C-terminal region of the plant plasma membrane H(+)-ATPase.. Plant Cell, 1997, 9, 1805-1814.	6.6	218
8	Summary. Plant Journal, 1998, 13, 661-671.	5.7	209
9	The <i>Arabidopsis</i> Chaperone J3 Regulates the Plasma Membrane H+-ATPase through Interaction with the PKS5 Kinase Â. Plant Cell, 2010, 22, 1313-1332.	6.6	200
10	Manganese Efficiency in Barley: Identification and Characterization of the Metal Ion Transporter HvIRT1. Plant Physiology, 2008, 148, 455-466.	4.8	182
11	Cell-Type-Specific H⁺-ATPase Activity in Root Tissues Enables K⁺ Retention and Mediates Acclimation of Barley (<i>Hordeum vulgare</i>) to Salinity Stress. Plant Physiology, 2016, 172, 2445-2458.	4.8	158
12	Live imaging of intra- and extracellular pH in plants using pHusion, a novel genetically encoded biosensor. Journal of Experimental Botany, 2012, 63, 3207-3218.	4.8	143
13	The HvNAC6 transcription factor: a positive regulator of penetration resistance in barley and Arabidopsis. Plant Molecular Biology, 2007, 65, 137-150.	3.9	136
14	On a quest for stress tolerance genes: membrane transporters in sensing and adapting to hostile soils. Journal of Experimental Botany, 2016, 67, 1015-1031.	4.8	135
15	Phosphorylation of SOS3-Like Calcium-Binding Proteins by Their Interacting SOS2-Like Protein Kinases Is a Common Regulatory Mechanism in Arabidopsis Â Â. Plant Physiology, 2011, 156, 2235-2243.	4.8	116
16	Interaction of barley powdery mildew effector candidate <scp>CSEP0055</scp> with the defence protein <scp>PR17c</scp>. Molecular Plant Pathology, 2012, 13, 1110-1119.	4.2	115
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	Receptor kinaseâ€mediated control of primary active proton pumping at the plasma membrane. Plant Journal, 2014, 80, 951-964.	5.7	112

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19	Plasma membrane H⁺â€ATPaseâ€dependent citrate exudation from cluster roots of phosphateâ€deficient white lupin. Plant, Cell and Environment, 2009, 32, 465-475.	5.7	99
20	The Binding Site for Regulatory 14-3-3 Protein in Plant Plasma Membrane H+-ATPase. Journal of Biological Chemistry, 2003, 278, 42266-42272.	3.4	96
21	Polyamines cause plasma membrane depolarization, activate Ca2+-, and modulate H+-ATPase pump activity in pea roots. Journal of Experimental Botany, 2014, 65, 2463-2472.	4.8	82
22	Phosphosite Mapping of P-type Plasma Membrane H+-ATPase in Homologous and Heterologous Environments. Journal of Biological Chemistry, 2012, 287, 4904-4913.	3.4	60
23	Fusaric acid and analogues as Gram-negative bacterial quorum sensing inhibitors. European Journal of Medicinal Chemistry, 2017, 126, 1011-1020.	5.5	53
24	The plasma membrane H⁺â€<scp>ATPase AHA2</scp> contributes to the root architecture in response to different nitrogen supply. Physiologia Plantarum, 2015, 154, 270-282.	5.2	46
25	Regulation of Plant Plasma Membrane H+- and Ca2+-ATPases by Terminal Domains. Journal of Bioenergetics and Biomembranes, 2005, 37, 369-374.	2.3	43
26	Plasma membrane Ca²⁺ transporters mediate virusâ€induced acquired resistance to oxidative stress. Plant, Cell and Environment, 2011, 34, 406-417.	5.7	41
27	Evidence for multiple receptors mediating RALFâ€triggered Ca²⁺ signaling and proton pump inhibition. Plant Journal, 2020, 104, 433-446.	5.7	40
28	Identification of Antifungal H ⁺ -ATPase Inhibitors with Effect on Plasma Membrane Potential. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	37
29	Specific Activation of the Plant P-type Plasma Membrane H+-ATPase by Lysophospholipids Depends on the Autoinhibitory N- and C-terminal Domains. Journal of Biological Chemistry, 2015, 290, 16281-16291.	3.4	33
30	Proton and calcium pumping P-type ATPases and their regulation of plant responses to the environment. Plant Physiology, 2021, 187, 1856-1875.	4.8	29
31	Measurements of intracellularATP provide new insight into the regulation of glycolysis in the yeast Saccharomyces cerevisiae. Integrative Biology (United Kingdom), 2012, 4, 99-107.	1.3	25
32	Protein phosphatase 2A scaffolding subunit A interacts with plasma membrane H+-ATPase C-terminus in the same region as 14-3-3 protein. Physiologia Plantarum, 2006, 128, 334-340.	5.2	24
33	Tenuazonic acid fromStemphylium lotiinhibits the plant plasma membrane H+â€ATPase by a mechanism involving the Câ€terminal regulatory domain. New Phytologist, 2020, 226, 770-784.	7.3	24
34	Perspectives for using genetically encoded fluorescent biosensors in plants. Frontiers in Plant Science, 2013, 4, 234.	3.6	23
35	Plant Proton Pumps: Regulatory Circuits Involving H+-ATPase and H+-PPase. Signaling and Communication in Plants, 2011, , 39-64.	0.7	22
36	Phosphorylation-independent interaction between 14-3-3 protein and the plant plasma membrane H+-ATPase. Biochemical Society Transactions, 2002, 30, 411-415.	3.4	21

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37	Tetrahydrocarbazoles are a novel class of potent P-type ATPase inhibitors with antifungal activity. PLoS ONE, 2018, 13, e0188620.	2.5	20
38	Isolation of Monodisperse Nanodisc-Reconstituted Membrane Proteins Using Free Flow Electrophoresis. Analytical Chemistry, 2013, 85, 3497-3500.	6.5	19
39	Reduced expression of AtNUP62 nucleoporin gene affects auxin response in Arabidopsis. BMC Plant Biology, 2016, 16, 2.	3.6	19
40	Active Plasma Membrane P-type H+-ATPase Reconstituted into Nanodiscs Is a Monomer. Journal of Biological Chemistry, 2013, 288, 26419-26429.	3.4	18
41	The PSY Peptide Familyâ€”Expression, Modification and Physiological Implications. Genes, 2021, 12, 218.	2.4	18
42	Analysis of peptide PSY1 responding transcripts in the two Arabidopsis plant lines: wild type and psy1r receptor mutant. BMC Genomics, 2014, 15, 441.	2.8	17
43	Cyclic AMP Pathway Activation and Extracellular Zinc Induce Rapid Intracellular Zinc Mobilization in Candida albicans. Frontiers in Microbiology, 2018, 9, 502.	3.5	17
44	JAK3 Is Expressed in the Nucleus of Malignant T Cells in Cutaneous T Cell Lymphoma (CTCL). Cancers, 2021, 13, 280.	3.7	17
45	Demethoxycurcumin Is A Potent Inhibitor of P-Type ATPases from Diverse Kingdoms of Life. PLoS ONE, 2016, 11, e0163260.	2.5	17
46	Endomembrane Ca²⁺-ATPases play a significant role in virus-induced adaptation to oxidative stress. Plant Signaling and Behavior, 2011, 6, 1053-1056.	2.4	16
47	A critical review on natural compounds interacting with the plant plasma membrane H⁺â€ATPase and their potential as biologicals in agriculture. Journal of Integrative Plant Biology, 2022, 64, 268-286.	8.5	15
48	Deciphering the role of 14-3-3 proteins. Experimental Biology Online, 1998, 3, 1-17.	1.0	14
49	Activation of the LRR Receptor-Like Kinase PSY1R Requires Transphosphorylation of Residues in the Activation Loop. Frontiers in Plant Science, 2017, 8, 2005.	3.6	13
50	P-Type H+- and Ca2+-ATPases in Plant Cells. Annals of the New York Academy of Sciences, 1997, 834, 77-87.	3.8	12
51	Purification of Plant Plasma Membranes by Two-Phase Partitioning and Measurement of H+ Pumping. , 2012, 913, 217-223.		12
52	LEGOâ€Inspired Drug Design: Unveiling a Class of Benzo[<i>d</i>]thiazoles Containing a 3,4â€Dihydroxyphenyl Moiety as Plasma Membrane H⁺â€ATPase Inhibitors. ChemMedChem, 2018, 13, 37-47.	3.2	9
53	Plasma Membrane ATPases. Plant Cell Monographs, 2011, , 177-192.	0.4	8
54	Corrigendum to: Proton and calcium pumping P-type ATPases and their regulation of plant responses to the environment. Plant Physiology, 2022, 188, 2379-2381.	4.8	4

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55	Live Imaging of Phosphate Levels in Arabidopsis Root Cells Expressing a FRET-Based Phosphate Sensor. Plants, 2020, 9, 1310.	3.5	3
56	Abstract P5-07-08: Identification and characterization of a new TIMP-1 binding protein. , 2015, , .		3
57	Deciphering the role of 14â€“3â€“3 proteins. , 1999, , 37-58.		3
58	Measuring H+ Pumping and Membrane Potential Formation in Sealed Membrane Vesicle Systems. Methods in Molecular Biology, 2016, 1377, 171-180.	0.9	2
59	Polyamines Depolarize the Membrane and Initiate a Cross-Talk Between Plasma Membrane Ca2+ and H+ Pumps. Biophysical Journal, 2014, 106, 586a.	0.5	1