

Erik Andreasson

List of Publications by Year in descending order

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85
papers

5,364
citations

117571

34
h-index

88593

70
g-index

88
all docs

88
docs citations

88
times ranked

5793
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis MAP Kinase 4 Negatively Regulates Systemic Acquired Resistance. <i>Cell</i> , 2000, 103, 1111-1120.	13.5	946
2	Myrosinase: gene family evolution and herbivore defense in Brassicaceae. <i>Plant Molecular Biology</i> , 2000, 42, 93-114.	2.0	491
3	The MAP kinase substrate MKS1 is a regulator of plant defense responses. <i>EMBO Journal</i> , 2005, 24, 2579-2589.	3.5	480
4	Modulation of CYP79 Genes and Glucosinolate Profiles in Arabidopsis by Defense Signaling Pathways. <i>Plant Physiology</i> , 2003, 131, 298-308.	2.3	314
5	Convergence and specificity in the Arabidopsis MAPK nexus. <i>Trends in Plant Science</i> , 2010, 15, 106-113.	4.3	228
6	Different Myrosinase and Idioblast Distribution in Arabidopsis and <i>Brassica napus</i> L. <i>Plant Physiology</i> , 2001, 127, 1750-1763.	2.3	205
7	Update on glucosinolate metabolism and transport. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 743-758.	2.8	155
8	Changes in external pH rapidly alter plant gene expression and modulate auxin and elicitor responses. <i>Plant, Cell and Environment</i> , 2010, 33, no-no.	2.8	118
9	Mutations introduced in susceptibility genes through CRISPR/Cas9 genome editing confer increased late blight resistance in potatoes. <i>Scientific Reports</i> , 2021, 11, 4487.	1.6	115
10	Myrosinase: gene family evolution and herbivore defense in Brassicaceae. , 2000, , 93-113.		112
11	Targeted gene mutation in tetraploid potato through transient TALEN expression in protoplasts. <i>Journal of Biotechnology</i> , 2015, 204, 17-24.	1.9	103
12	Phosphoproteomic analysis of nuclei-enriched fractions from Arabidopsis thaliana. <i>Journal of Proteomics</i> , 2009, 72, 439-451.	1.2	84
13	Arabidopsis MYB68 in development and responses to environmental cues. <i>Plant Science</i> , 2004, 167, 1099-1107.	1.7	83
14	An Arabidopsis Protein Phosphorylated in Response to Microbial Elicitation, AtPHOS32, Is a Substrate of MAP Kinases 3 and 6. <i>Journal of Biological Chemistry</i> , 2008, 283, 10493-10499.	1.6	77
15	Phosphite-induced changes of the transcriptome and secretome in <i>Solanum tuberosum</i> leading to resistance against <i>Phytophthora infestans</i> . <i>BMC Plant Biology</i> , 2014, 14, 254.	1.6	77
16	Quantitative proteomics and transcriptomics of potato in response to <i>Phytophthora infestans</i> in compatible and incompatible interactions. <i>BMC Genomics</i> , 2014, 15, 497.	1.2	77
17	High efficacy full allelic CRISPR/Cas9 gene editing in tetraploid potato. <i>Scientific Reports</i> , 2019, 9, 17715.	1.6	75
18	Potassium phosphite combined with reduced doses of fungicides provides efficient protection against potato late blight in large-scale field trials. <i>Crop Protection</i> , 2016, 86, 42-55.	1.0	70

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19	Integrative Genomic Signatures Of Hepatocellular Carcinoma Derived from Nonalcoholic Fatty Liver Disease. PLoS ONE, 2015, 10, e0124544.	1.1	70
20	Plant secretome proteomics. Frontiers in Plant Science, 2013, 4, 9.	1.7	67
21	Proteomics and transcriptomics of the BABA-induced resistance response in potato using a novel functional annotation approach. BMC Genomics, 2014, 15, 315.	1.2	67
22	Complex Formation of Myrosinase Isoenzymes in Oilseed Rape Seeds Are Dependent on the Presence of Myrosinase-Binding Proteins. Plant Physiology, 2002, 129, 1592-1599.	2.3	65
23	Plant Resistance Inducers against Pathogens in Solanaceae Speciesâ€”From Molecular Mechanisms to Field Application. International Journal of Molecular Sciences, 2016, 17, 1673.	1.8	61
24	Determination of primary sequence specificity of <i>Arabidopsis</i> MAPKs MPK3 and MPK6 leads to identification of new substrates. Biochemical Journal, 2012, 446, 271-278.	1.7	58
25	Induced resistance in potato to <i>Phytophthora infestans</i> effects of BABA in greenhouse and field tests with different potato varieties. European Journal of Plant Pathology, 2010, 127, 171-183.	0.8	57
26	Field-omics—understanding large-scale molecular data from field crops. Frontiers in Plant Science, 2014, 5, 286.	1.7	53
27	Activation of defence responses to <i>Phytophthora infestans</i> in potato by BABA. Plant Pathology, 2014, 63, 193-202.	1.2	53
28	Overview and Breeding Strategies of Table Potato Production in Sweden and the Fennoscandian Region. Potato Research, 2016, 59, 279-294.	1.2	48
29	Regulation of the Wound-Induced Myrosinase-Associated Protein Transcript in Brassica Napus Plants. FEBS Journal, 1997, 247, 963-971.	0.2	46
30	Characterization of transgenic <i>Arabidopsis thaliana</i> with metabolically engineered high levels of p-hydroxybenzylglucosinolate. Planta, 2001, 212, 612-618.	1.6	45
31	Targeted Proteomics Approach for Precision Plant Breeding. Journal of Proteome Research, 2016, 15, 638-646.	1.8	44
32	Paranoid potato. Plant Signaling and Behavior, 2012, 7, 400-408.	1.2	43
33	Effector-driven marker development and cloning of resistance genes against <i>Phytophthora infestans</i> in potato breeding clone SW93-1015. Theoretical and Applied Genetics, 2016, 129, 105-115.	1.8	43
34	Evaluation and integration of functional annotation pipelines for newly sequenced organisms: the potato genome as a test case. BMC Plant Biology, 2014, 14, 329.	1.6	42
35	Chapter four Localization of plant myrosinases and glucosinolates. Recent Advances in Phytochemistry, 2003, , 79-99.	0.5	40
36	An Adaptive Alignment Algorithm for Quality-controlled Label-free LC-MS. Molecular and Cellular Proteomics, 2013, 12, 1407-1420.	2.5	33

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37	Enrichment of Phosphoproteins and Phosphopeptide Derivatization Identify Universal Stress Proteins in Elicitor-Treated <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 1275-1284.	1.4	32
38	Intact salicylic acid signalling is required for potato defence against the necrotrophic fungus <i>Alternaria solani</i> . <i>Plant Molecular Biology</i> , 2020, 104, 1-19.	2.0	32
39	Proteomic Analysis of <i>Phytophthora infestans</i> Reveals the Importance of Cell Wall Proteins in Pathogenicity. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1958-1971.	2.5	31
40	Two thymidine kinases and one multisubstrate deoxyribonucleoside kinase salvage DNA precursors in <i>A. rabiidopsis thaliana</i> . <i>FEBS Journal</i> , 2012, 279, 3889-3897.	2.2	27
41	<i>Trichoderma viride</i> cellulase induces resistance to the antibiotic pore-forming peptide alamethicin associated with changes in the plasma membrane lipid composition of tobacco BY-2 cells. <i>BMC Plant Biology</i> , 2010, 10, 274.	1.6	26
42	Quantitative Label-Free Phosphoproteomics of Six Different Life Stages of the Late Blight Pathogen <i>Phytophthora infestans</i> Reveals Abundant Phosphorylation of Members of the CRN Effector Family. <i>Journal of Proteome Research</i> , 2014, 13, 1848-1859.	1.8	26
43	Botanicals and plant strengtheners for potato and tomato cultivation in Africa. <i>Journal of Integrative Agriculture</i> , 2020, 19, 406-427.	1.7	26
44	Earlier occurrence and increased explanatory power of climate for the first incidence of potato late blight caused by <i>Phytophthora infestans</i> in Fennoscandia. <i>PLoS ONE</i> , 2017, 12, e0177580.	1.1	26
45	Salicylic and jasmonic acid pathways are necessary for defence against <i>Dickeya solani</i> as revealed by a novel method for Blackleg disease screening of <i>in vitro</i> grown potato. <i>Plant Biology</i> , 2015, 17, 1030-1038.	1.8	22
46	A novel workflow correlating RNA-seq data to <i>Phytophthora infestans</i> resistance levels in wild <i>Solanum</i> species and potato clones. <i>Frontiers in Plant Science</i> , 2015, 6, 718.	1.7	21
47	Draft Genome Sequence for the Tree Pathogen <i>Phytophthora plurivora</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2432-2442.	1.1	19
48	Bee-Vectored <i>Aureobasidium pullulans</i> for Biological Control of Gray Mold in Strawberry. <i>Phytopathology</i> , 2022, 112, 232-237.	1.1	19
49	Sugar beet extract induces defence against <i>Phytophthora infestans</i> in potato plants. <i>European Journal of Plant Pathology</i> , 2013, 136, 261-271.	0.8	18
50	Linking crop traits to transcriptome differences in a progeny population of tetraploid potato. <i>BMC Plant Biology</i> , 2020, 20, 120.	1.6	18
51	Co-localization of myrosinase- and myrosinase-binding proteins in grains of myrosin cells in cotyledon of <i>Brassica napus</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 1998, 36, 583-590.	2.8	17
52	Phosphorylation sites of <i>Arabidopsis</i> MAP kinase substrate 1 (MKS1). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 1156-1163.	1.1	17
53	Inoculation of Transgenic Resistant Potato by <i>Phytophthora infestans</i> Affects Host Plant Choice of a Generalist Moth. <i>PLoS ONE</i> , 2015, 10, e0129815.	1.1	16
54	Biological control of strawberry crown rot, root rot and grey mould by the beneficial fungus <i>Aureobasidium pullulans</i> . <i>BioControl</i> , 2021, 66, 535-545.	0.9	16

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55	The myrosinase-glucosinolate system in the interaction between <i>Leptosphaeria maculans</i> and <i>Brassica napus</i> . <i>Molecular Plant Pathology</i> , 2001, 2, 281-286.	2.0	15
56	Biosurfactants Have the Potential to Induce Defence Against <i>Phytophthora infestans</i> in Potato. <i>Potato Research</i> , 2015, 58, 83-90.	1.2	15
57	Potato trait development going fast-forward with genome editing. <i>Trends in Genetics</i> , 2022, 38, 218-221.	2.9	15
58	Phosphite protects against potato and tomato late blight in tropical climates and has varying toxicity depending on the <i>Phytophthora infestans</i> isolate. <i>Crop Protection</i> , 2019, 121, 139-146.	1.0	14
59	Nongenetic Inheritance of Induced Resistance in a Wild Annual Plant. <i>Phytopathology</i> , 2016, 106, 877-883.	1.1	12
60	Comparative Membrane-Associated Proteomics of Three Different Immune Reactions in Potato. <i>International Journal of Molecular Sciences</i> , 2018, 19, 538.	1.8	11
61	Proteomics of PTI and Two ETI Immune Reactions in Potato Leaves. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4726.	1.8	11
62	Comparison of phosphorylation patterns across eukaryotes by discriminative N-gram analysis. <i>BMC Bioinformatics</i> , 2015, 16, 239.	1.2	10
63	RNA seq analysis of potato cyst nematode interactions with resistant and susceptible potato roots. <i>European Journal of Plant Pathology</i> , 2018, 152, 531-539.	0.8	9
64	Age-dependent wound induction of a myrosinase-associated protein from oilseed rape (<i>Brassica</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	2.0	8
65	Strategies for Efficient Gene Editing in Protoplasts of <i>Solanum tuberosum</i> Theme: Determining gRNA Efficiency Design by Utilizing Protoplast (Research). <i>Frontiers in Genome Editing</i> , 2021, 3, 795644.	2.7	8
66	Tissue Culture and Refreshment Techniques for Improvement of Transformation in Local Tetraploid and Diploid Potato with Late Blight Resistance as an Example. <i>Plants</i> , 2020, 9, 695.	1.6	7
67	<i>Arabidopsis</i> cytosolic alpha-glycan phosphorylase, <i>PHS2</i> , is important during carbohydrate imbalanced conditions. <i>Plant Biology</i> , 2015, 17, 74-80.	1.8	6
68	Tolerance and overcompensation to infection by <i>Phytophthora infestans</i> in the wild perennial climber <i>Solanum dulcamara</i> . <i>Ecology and Evolution</i> , 2019, 9, 4557-4567.	0.8	6
69	Resistance Mixtures™ Reduce Insect Herbivory in Strawberry (<i>Fragaria vesca</i>) Plantations. <i>Frontiers in Plant Science</i> , 2021, 12, 722795.	1.7	6
70	Isolation of Apoplast. <i>Methods in Molecular Biology</i> , 2017, 1511, 233-240.	0.4	5
71	Phosphite alters the behavioral response of potato tuber moth (<i>Phthorimaea operculella</i>) to field-grown potato. <i>Pest Management Science</i> , 2019, 75, 616-621.	1.7	5
72	A fast, nondestructive method for the detection of disease-related lesions and wounded leaves. <i>BioTechniques</i> , 2021, 71, 425-430.	0.8	5

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73	Visualising the ionome in resistant and susceptible plant-pathogen interactions. <i>Plant Journal</i> , 2021, 108, 870-885.	2.8	5
74	Late Blight Resistance Screening of Major Wild Swedish <i>Solanum</i> Species: <i>S. dulcamara</i> , <i>S. nigrum</i> , and <i>S. physalifolium</i> . <i>Phytopathology</i> , 2018, 108, 847-857.	1.1	4
75	RNAseq and Proteomics for Analysing Complex Oomycete Plant Interactions. <i>Current Issues in Molecular Biology</i> , 2016, 19, 73-88.	1.0	4
76	Invited Mini-Review Research Topic: Utilization of Protoplasts to Facilitate Gene Editing in Plants: Schemes for In Vitro Shoot Regeneration From Tissues and Protoplasts of Potato and Rapeseed: Implications of Bioengineering Such as Gene Editing of Broad-Leaved Plants. <i>Frontiers in Genome Editing</i> , 0, 4, .	2.7	4
77	A multisubstrate deoxyribonucleoside kinase from plants. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 489-490.	0.3	3
78	Plant immunity in natural populations and agricultural fields: Low presence of pathogenesis-related proteins in <i>Solanum</i> leaves. <i>PLoS ONE</i> , 2018, 13, e0207253.	1.1	3
79	Consistent risk regulation? Differences in the European regulation of food crops. <i>Journal of Risk Research</i> , 2019, 22, 1561-1570.	1.4	3
80	Phosphite Integrated in Late Blight Treatment Strategies in Starch Potato Does Not Cause Residues in the Starch Product. <i>Plant Disease</i> , 2020, 104, 3026-3032.	0.7	3
81	Potato as a Model for with Modified Gene in Research and Translational Experiments. <i>Methods in Molecular Biology</i> , 2021, 2354, 111-122.	0.4	3
82	Host Attraction and Selection in the Swede Midge (<i>Contarinia nasturtii</i>). <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	2
83	Leaf Apoplast of Field-Grown Potato Analyzed by Quantitative Proteomics and Activity-Based Protein Profiling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12033.	1.8	1
84	A Quantitative Luminol-Based Assay for ROS Burst Detection in Potato Leaves in Response to Biotic Stimuli. <i>Methods in Molecular Biology</i> , 2022, , 395-402.	0.4	1
85	<i>Phytophthora infestans</i> specific phosphorylation patterns and new putative control targets. <i>Fungal Biology</i> , 2016, 120, 631-644.	1.1	0