Erik Andreasson

List of Publications by Year
in descending order

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	Bee-Vectored <i>Aureobasidium pullulans</i> for Biological Control of Gray Mold in Strawberry. Phytopathology, 2022, 112, 232-237.	1.1	19
2	Potato trait development going fast-forward with genome editing. Trends in Genetics, 2022, 38, 218-221.	2.9	15
3	A Quantitative Luminol-Based Assay for ROS Burst Detection in Potato Leaves in Response to Biotic Stimuli. Methods in Molecular Biology, 2022, , 395-402.	0.4	1
4	Potato as a Model for with Modified Gene in Research and Translational Experiments. Methods in Molecular Biology, 2021, 2354, 111-122.	0.4	3
5	Mutations introduced in susceptibility genes through CRISPR/Cas9 genome editing confer increased late blight resistance in potatoes. Scientific Reports, 2021, 11, 4487.	1.6	115
6	Biological control of strawberry crown rot, root rot and grey mould by the beneficial fungus Aureobasidium pullulans. BioControl, 2021, 66, 535-545.	0.9	16
7	A fast, nondestructive method for the detection of disease-related lesions and wounded leaves. BioTechniques, 2021, 71, 425-430.	0.8	5
8	â€˜Resistance Mixturesâ€™ Reduce Insect Herbivory in Strawberry (Fragaria vesca) Plantations. Frontiers in Plant Science, 2021, 12, 722795.	1.7	6
9	Visualising the ionome in resistant and susceptible plantâ€“pathogen interactions. Plant Journal, 2021, 108, 870-885.	2.8	5
10	Leaf Apoplast of Field-Grown Potato Analyzed by Quantitative Proteomics and Activity-Based Protein Profiling. International Journal of Molecular Sciences, 2021, 22, 12033.	1.8	1
11	Strategies for Efficient Gene Editing in Protoplasts of Solanum tuberosum Theme: Determining gRNA Efficiency Design by Utilizing Protoplast (Research). Frontiers in Genome Editing, 2021, 3, 795644.	2.7	8
12	Phosphite Integrated in Late Blight Treatment Strategies in Starch Potato Does Not Cause Residues in the Starch Product. Plant Disease, 2020, 104, 3026-3032.	0.7	3
13	Tissue Culture and Refreshment Techniques for Improvement of Transformation in Local Tetraploid and Diploid Potato with Late Blight Resistance as an Example. Plants, 2020, 9, 695.	1.6	7
14	Intact salicylic acid signalling is required for potato defence against the necrotrophic fungus Alternaria solani. Plant Molecular Biology, 2020, 104, 1-19.	2.0	32
15	Linking crop traits to transcriptome differences in a progeny population of tetraploid potato. BMC Plant Biology, 2020, 20, 120.	1.6	18
16	Botanicals and plant strengtheners for potato and tomato cultivation in Africa. Journal of Integrative Agriculture, 2020, 19, 406-427.	1.7	26
17	Phosphite alters the behavioral response of potato tuber moth (<i>Phthorimaea operculella</i>) to fieldâ€grown potato. Pest Management Science, 2019, 75, 616-621.	1.7	5
18	Proteomics of PTI and Two ETI Immune Reactions in Potato Leaves. International Journal of Molecular Sciences, 2019, 20, 4726.	1.8	11

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19	Tolerance and overcompensation to infection by Phytophthora infestans in the wild perennial climber Solanum dulcamara. Ecology and Evolution, 2019, 9, 4557-4567.	0.8	6
20	Phosphite protects against potato and tomato late blight in tropical climates and has varying toxicity depending on the Phytophthora infestans isolate. Crop Protection, 2019, 121, 139-146.	1.0	14
21	High efficacy full allelic CRISPR/Cas9 gene editing in tetraploid potato. Scientific Reports, 2019, 9, 17715.	1.6	75
22	Consistent risk regulation? Differences in the European regulation of food crops. Journal of Risk Research, 2019, 22, 1561-1570.	1.4	3
23	RNA seq analysis of potato cyst nematode interactions with resistant and susceptible potato roots. European Journal of Plant Pathology, 2018, 152, 531-539.	0.8	9
24	Late Blight Resistance Screening of Major Wild Swedish <i>Solanum</i> Species: <i>S. dulcamara, S. nigrum</i>, and <i>S. physalifolium</i>. Phytopathology, 2018, 108, 847-857.	1.1	4
25	Plant immunity in natural populations and agricultural fields: Low presence of pathogenesis-related proteins in Solanum leaves. PLoS ONE, 2018, 13, e0207253.	1.1	3
26	Draft Genome Sequence for the Tree PathogenPhytophthora plurivora. Genome Biology and Evolution, 2018, 10, 2432-2442.	1.1	19
27	Host Attraction and Selection in the Swede Midge (Contarinia nasturtii). Frontiers in Ecology and Evolution, 2018, 6, .	1.1	2
28	Comparative Membrane-Associated Proteomics of Three Different Immune Reactions in Potato. International Journal of Molecular Sciences, 2018, 19, 538.	1.8	11
29	Proteomic Analysis of Phytophthora infestans Reveals the Importance of Cell Wall Proteins in Pathogenicity. Molecular and Cellular Proteomics, 2017, 16, 1958-1971.	2.5	31
30	Isolation of Apoplast. Methods in Molecular Biology, 2017, 1511, 233-240.	0.4	5
31	Earlier occurrence and increased explanatory power of climate for the first incidence of potato late blight caused by Phytophthora infestans in Fennoscandia. PLoS ONE, 2017, 12, e0177580.	1.1	26
32	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
33	Nongenetic Inheritance of Induced Resistance in a Wild Annual Plant. Phytopathology, 2016, 106, 877-883.	1.1	12
34	Potassium phosphite combined with reduced doses of fungicides provides efficient protection against potato late blight in large-scale field trials. Crop Protection, 2016, 86, 42-55.	1.0	70
35	Overview and Breeding Strategies of Table Potato Production in Sweden and the Fennoscandian Region. Potato Research, 2016, 59, 279-294.	1.2	48
36	Phytophthora infestans specific phosphorylation patterns and new putative control targets. Fungal Biology, 2016, 120, 631-644.	1.1	0

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37	Targeted Proteomics Approach for Precision Plant Breeding. Journal of Proteome Research, 2016, 15, 638-646.	1.8	44
38	Effector-driven marker development and cloning of resistance genes against Phytophthora infestans in potato breeding clone SW93-1015. Theoretical and Applied Genetics, 2016, 129, 105-115.	1.8	43
39	RNAseq and Proteomics for Analysing Complex Oomycete Plant Interactions. Current Issues in Molecular Biology, 2016, 19, 73-88.	1.0	4
40	<i>Arabidopsis</i> cytosolic alphaâ€glycan phosphorylase, <scp>PHS</scp>2, is important during carbohydrate imbalanced conditions. Plant Biology, 2015, 17, 74-80.	1.8	6
41	Inoculation of Transgenic Resistant Potato by Phytophthora infestans Affects Host Plant Choice of a Generalist Moth. PLoS ONE, 2015, 10, e0129815.	1.1	16
42	A novel workflow correlating RNA-seq data to Phythophthora infestans resistance levels in wild Solanum species and potato clones. Frontiers in Plant Science, 2015, 6, 718.	1.7	21
43	Biosurfactants Have the Potential to Induce Defence Against Phytophthora infestans in Potato. Potato Research, 2015, 58, 83-90.	1.2	15
44	Salicylic and jasmonic acid pathways are necessary for defence against <i><scp>D</scp>ickeya solani</i> as revealed by a novel method for Blackleg disease screening of <i>inÂvitro</i> grown potato. Plant Biology, 2015, 17, 1030-1038.	1.8	22
45	Targeted gene mutation in tetraploid potato through transient TALEN expression in protoplasts. Journal of Biotechnology, 2015, 204, 17-24.	1.9	103
46	Comparison of phosphorylation patterns across eukaryotes by discriminative N-gram analysis. BMC Bioinformatics, 2015, 16, 239.	1.2	10
47	Integrative Genomic Signatures Of Hepatocellular Carcinoma Derived from Nonalcoholic Fatty Liver Disease. PLoS ONE, 2015, 10, e0124544.	1.1	70
48	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
49	Phosphite-induced changes of the transcriptome and secretome in Solanum tuberosum leading to resistance against Phytophthora infestans. BMC Plant Biology, 2014, 14, 254.	1.6	77
50	Field-omicsÃ¢â,¬â€understanding large-scale molecular data from field crops. Frontiers in Plant Science, 2014, 5, 286.	1.7	53
51	Activation of defence responses to <i><scp>P</scp>hytophthora infestans</i> in potato by <scp>BABA</scp>. Plant Pathology, 2014, 63, 193-202.	1.2	53
52	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. Journal of Proteome Research, 2014, 13, 1848-1859.	1.8	26
53	Quantitative proteomics and transcriptomics of potato in response to Phytophthora infestans in compatible and incompatible interactions. BMC Genomics, 2014, 15, 497.	1.2	77
54	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

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55	Sugar beet extract induces defence against Phytophthora infestans in potato plants. European Journal of Plant Pathology, 2013, 136, 261-271.	0.8	18
56	An Adaptive Alignment Algorithm for Quality-controlled Label-free LC-MS. Molecular and Cellular Proteomics, 2013, 12, 1407-1420.	2.5	33
57	Plant secretome proteomics. Frontiers in Plant Science, 2013, 4, 9.	1.7	67
58	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
59	Paranoid potato. Plant Signaling and Behavior, 2012, 7, 400-408.	1.2	43
60	Two thymidine kinases and one multisubstrate deoxyribonucleoside kinase salvage <scp>DNA</scp> precursors in <i><scp>A</scp>rabidopsis thaliana</i>. FEBS Journal, 2012, 279, 3889-3897.	2.2	27
61	Induced resistance in potato to Phytphthora infestansâ€"effects of BABA in greenhouse and field tests with different potato varieties. European Journal of Plant Pathology, 2010, 127, 171-183.	0.8	57
62	Trichoderma viride cellulase induces resistance to the antibiotic pore-forming peptide alamethicin associated with changes in the plasma membrane lipid composition of tobacco BY-2 cells. BMC Plant Biology, 2010, 10, 274.	1.6	26
63	Changes in external pH rapidly alter plant gene expression and modulate auxin and elicitor responses. Plant, Cell and Environment, 2010, 33, no-no.	2.8	118
64	Convergence and specificity in the Arabidopsis MAPK nexus. Trends in Plant Science, 2010, 15, 106-113.	4.3	228
65	Phosphoproteomic analysis of nuclei-enriched fractions from Arabidopsis thaliana. Journal of Proteomics, 2009, 72, 439-451.	1.2	84
66	An Arabidopsis Protein Phosphorylated in Response to Microbial Elicitation, AtPHOS32, Is a Substrate of MAP Kinases 3 and 6. Journal of Biological Chemistry, 2008, 283, 10493-10499.	1.6	77
67	A multisubstrate deoxyribonucleoside kinase from plants. Nucleic Acids Symposium Series, 2008, 52, 489-490.	0.3	3
68	Enrichment of Phosphoproteins and Phosphopeptide Derivatization Identify Universal Stress Proteins in Elicitor-Treated <i>Arabidopsis</i>. Molecular Plant-Microbe Interactions, 2008, 21, 1275-1284.	1.4	32
69	Phosphorylation sites of Arabidopsis MAP kinase substrate 1 (MKS1). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1156-1163.	1.1	17
70	The MAP kinase substrate MKS1 is a regulator of plant defense responses. EMBO Journal, 2005, 24, 2579-2589.	3.5	480
71	Arabidopsis MYB68 in development and responses to environmental cues. Plant Science, 2004, 167, 1099-1107.	1.7	83
72	Modulation of CYP79 Genes and Glucosinolate Profiles in Arabidopsis by Defense Signaling Pathways. Plant Physiology, 2003, 131, 298-308.	2.3	314

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73	Chapter four Localization of plant myrosinases and glucosinolates. Recent Advances in Phytochemistry, 2003, , 79-99.	0.5	40
74	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
75	Characterization of transgenic Arabidopsis thaliana with metabolically engineered high levels of p -hydroxybenzylglucosinolate. Planta, 2001, 212, 612-618.	1.6	45
76	The myrosinase-glucosinolate system in the interaction between Leptosphaeria maculans and Brassica napus. Molecular Plant Pathology, 2001, 2, 281-286.	2.0	15
77	Update on glucosinolate metabolism and transport. Plant Physiology and Biochemistry, 2001, 39, 743-758.	2.8	155
78	Different Myrosinase and Idioblast Distribution in Arabidopsis and <i>Brassica napus</i> Â. Plant Physiology, 2001, 127, 1750-1763.	2.3	205
79	Myrosinase: gene family evolution and herbivore defense in Brassicaceae. Plant Molecular Biology, 2000, 42, 93-114.	2.0	491
80	Myrosinase: gene family evolution and herbivore defense in Brassicaceae. , 2000, , 93-113.		112
81	Arabidopsis MAP Kinase 4 Negatively Regulates Systemic Acquired Resistance. Cell, 2000, 103, 1111-1120.	13.5	946
82	Age-dependent wound induction of a myrosinase-associated protein from oilseed rape (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.0	8
83	Co-localization of myrosinase- and myrosinase-binding proteins in grains of myrosin cells in cotyledon of Brassica napus seedlings. Plant Physiology and Biochemistry, 1998, 36, 583-590.	2.8	17
84	Regulation of the Wound-Induced Myrosinase-Associated Protein Transcript in Brassica Napus Plants. FEBS Journal, 1997, 247, 963-971.	0.2	46
85	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. Frontiers in Genome Editing, 0, 4, .	2.7	4