Stefan Simm

List of Publications by Year
in descending order

27	985	516710 16	552781 26
papers	citations	h-index	g-index

27	27	27	1504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HsfA2 Controls the Activity of Developmentally and Stress-Regulated Heat Stress Protection Mechanisms in Tomato Male Reproductive Tissues. Plant Physiology, 2016, 170, 2461-2477.	4.8	148
2	50Âyears of amino acid hydrophobicity scales: revisiting the capacity for peptide classification. Biological Research, 2016, 49, 31.	3.4	77
3	Defining the Core Proteome of the Chloroplast Envelope Membranes. Frontiers in Plant Science, 2013, 4, 11.	3.6	75
4	40S Ribosome Biogenesis Co-Factors Are Essential for Gametophyte and Embryo Development. PLoS ONE, 2013, 8, e54084.	2.5	74
5	Chaperone network composition in <scp>S</scp>olanum lycopersicum explored by transcriptome profiling and microarray metaâ€analysis. Plant, Cell and Environment, 2015, 38, 693-709.	5.7	71
6	The coupling of transcriptome and proteome adaptation during development and heat stress response of tomato pollen. BMC Genomics, 2018, 19, 447.	2.8	68
7	The repressor and coâ€activator HsfB1 regulates the major heat stress transcription factors in tomato. Plant, Cell and Environment, 2019, 42, 874-890.	5.7	63
8	Identification and Expression Analysis of Ribosome Biogenesis Factor Co-orthologs inSolanum lycopersicum. Bioinformatics and Biology Insights, 2015, 9, BBI.S20751.	2.0	62
9	Alternative splicing in tomato pollen in response to heat stress. DNA Research, 2017, 24, dsw051.	3.4	55
10	Reducing Cytoplasmic Polyamine Oxidase Activity in Arabidopsis Increases Salt and Drought Tolerance by Reducing Reactive Oxygen Species Production and Increasing Defense Gene Expression. Frontiers in Plant Science, 2016, 7, 214.	3.6	46
11	The composition of the global and feature specific cyanobacterial core-genomes. Frontiers in Microbiology, 2015, 6, 219.	3.5	38
12	HEATSTER: A Database and Web Server for Identification and Classification of Heat Stress Transcription Factors in Plants. Bioinformatics and Biology Insights, 2019, 13, 117793221882136.	2.0	26
13	The membrane proteome of male gametophyte in Solanum lycopersicum. Journal of Proteomics, 2016, 131, 48-60.	2.4	25
14	miRNAs involved in transcriptome remodeling during pollen development and heat stress response in Solanum lycopersicum. Scientific Reports, 2020, 10, 10694.	3.3	22
15	Survey of Genes Involved in Biosynthesis, Transport, and Signaling of Phytohormones with Focus onSolanum lycopersicum. Bioinformatics and Biology Insights, 2016, 10, BBI.S38425.	2.0	21
16	Functional diversification of tomato HsfA1 factors is based on DNA binding domain properties. Gene, 2019, 714, 143985.	2.2	20
17	Insertion of plastidic Î²-barrel proteins into the outer envelopes of plastids involves an intermembrane space intermediate formed with Toc75-V/OEP80. Plant Cell, 2021, 33, 1657-1681.	6.6	15
18	Regulation of two GTPases Toc159 and Toc34 in the translocon of the outer envelope of chloroplasts. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 627-636.	2.3	14

#	Article	IF	Citations
19	The Existence and Localization of Nuclear snoRNAs in Arabidopsis thaliana Revisited. Plants, 2020, 9, 1016.	3.5	14
20	Toc75â€V/OEP80 is processed during translocation into chloroplasts, and the membraneâ€embedded form exposes its POTRA domain to the intermembrane space. FEBS Open Bio, 2020, 10, 444-454.	2.3	14
21	Identification of the TXNIP IRES and characterization of the impact of regulatory IRES trans-acting factors. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 147-157.	1.9	12
22	Relevance and Regulation of Alternative Splicing in Plant Heat Stress Response: Current Understanding and Future Directions. Frontiers in Plant Science, 0, 13, .	3.6	6
23	Transcriptional Basis for Differential Thermosensitivity of Seedlings of Various Tomato Genotypes. Genes, 2020, 11, 655.	2.4	5
24	Enhanced pro-apoptosis gene signature following the activation of TAp63Î± in oocytes upon Î³ irradiation. Cell Death and Disease, 2022, 13, 204.	6.3	5
25	Macrophages Are Polarized toward an Inflammatory Phenotype by their Aged Microenvironment in the Human Skin. Journal of Investigative Dermatology, 2022, 142, 3136-3145.e11.	0.7	5
26	Effect of thermospermine on expression profiling of different gene using massive analysis of cDNA ends (MACE) and vascular maintenance in Arabidopsis. Physiology and Molecular Biology of Plants, 2021, 27, 577-586.	3.1	3
27	Cloning and Functional Characterization of Dog OCT1 and OCT2: Another Step in Exploring Species Differences in Organic Cation Transporters. International Journal of Molecular Sciences, 2022, 23, 5100.	4.1	1