

Dominik K GroÅkinsky

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,095
citations

257450

24
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

2796
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant phenomics and the need for physiological phenotyping across scales to narrow the genotype-to-phenotype knowledge gap. <i>Journal of Experimental Botany</i> , 2015, 66, 5429-5440.	4.8	217
2	The role of <i>cis</i> -zeatin-type cytokinins in plant growth regulation and mediating responses to environmental interactions. <i>Journal of Experimental Botany</i> , 2015, 66, 4873-4884.	4.8	197
3	Cytokinins Mediate Resistance against <i>Pseudomonas syringae</i> in Tobacco through Increased Antimicrobial Phytoalexin Synthesis Independent of Salicylic Acid Signaling \AA . <i>Plant Physiology</i> , 2011, 157, 815-830.	4.8	178
4	Trichoderma volatiles effecting Arabidopsis: from inhibition to protection against phytopathogenic fungi. <i>Frontiers in Microbiology</i> , 2015, 6, 995.	3.5	149
5	Cytokinin production by <i>Pseudomonas fluorescens</i> G20-18 determines biocontrol activity against <i>Pseudomonas syringae</i> in Arabidopsis. <i>Scientific Reports</i> , 2016, 6, 23310.	3.3	148
6	Integration of multi-omics techniques and physiological phenotyping within a holistic phenomics approach to study senescence in model and crop plants. <i>Journal of Experimental Botany</i> , 2018, 69, 825-844.	4.8	104
7	Simple and robust determination of the activity signature of key carbohydrate metabolism enzymes for physiological phenotyping in model and crop plants. <i>Journal of Experimental Botany</i> , 2015, 66, 5531-5542.	4.8	83
8	Phytoalexin transgenics in crop protection – Fairy tale with a happy end?. <i>Plant Science</i> , 2012, 195, 54-70.	3.6	79
9	Ectopic overexpression of the cell wall invertase gene CIN1 leads to dehydration avoidance in tomato. <i>Journal of Experimental Botany</i> , 2015, 66, 863-878.	4.8	75
10	Metabolic Control of Tobacco Pollination by Sugars and Invertases. <i>Plant Physiology</i> , 2017, 173, 984-997.	4.8	67
11	Hormonal and metabolic regulation of tomato fruit sink activity and yield under salinity. <i>Journal of Experimental Botany</i> , 2014, 65, 6081-6095.	4.8	61
12	<i>Bacillus licheniformis</i> FMCH001 Increases Water Use Efficiency via Growth Stimulation in Both Normal and Drought Conditions. <i>Frontiers in Plant Science</i> , 2020, 11, 297.	3.6	57
13	<i>Cis</i> - and <i>trans</i> -zeatin differentially modulate plant immunity. <i>Plant Signaling and Behavior</i> , 2013, 8, e24798.	2.4	52
14	A Rapid Phytohormone and Phytoalexin Screening Method for Physiological Phenotyping. <i>Molecular Plant</i> , 2014, 7, 1053-1056.	8.3	50
15	Compartment-Specific Antioxidative Defense in <i>Arabidopsis</i> Against Virulent and Avirulent <i>Pseudomonas syringae</i> . <i>Phytopathology</i> , 2012, 102, 662-673.	2.2	47
16	The Arabidopsis PLAT Domain Protein1 Is Critically Involved in Abiotic Stress Tolerance. <i>PLoS ONE</i> , 2014, 9, e112946.	2.5	47
17	Tackling Salinity in Sustainable Agriculture – What Developing Countries May Learn from Approaches of the Developed World. <i>Sustainability</i> , 2019, 11, 4558.	3.2	46
18	Simple semi-high throughput determination of activity signatures of key antioxidant enzymes for physiological phenotyping. <i>Plant Methods</i> , 2020, 16, 42.	4.3	45

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19	Differential Effects of Carbohydrates on Arabidopsis Pollen Germination. <i>Plant and Cell Physiology</i> , 2017, 58, 691-701.	3.1	43
20	Activities of leaf and spike carbohydrate-metabolic and antioxidant enzymes are linked with yield performance in three spring wheat genotypes grown under well-watered and drought conditions. <i>BMC Plant Biology</i> , 2020, 20, 400.	3.6	37
21	The Phenotyping Dilemma—The Challenges of a Diversified Phenotyping Community. <i>Frontiers in Plant Science</i> , 2019, 10, 163.	3.6	32
22	Abscisic Acid—Cytokinin Antagonism Modulates Resistance Against <i>Pseudomonas syringae</i> in Tobacco. <i>Phytopathology</i> , 2014, 104, 1283-1288.	2.2	28
23	Screening of Barley Resistance Against Powdery Mildew by Simultaneous High-Throughput Enzyme Activity Signature Profiling and Multispectral Imaging. <i>Frontiers in Plant Science</i> , 2018, 9, 1074.	3.6	27
24	Root-Associated Microbial Communities of <i>Abies nordmanniana</i> : Insights Into Interactions of Microbial Communities With Antioxidative Enzymes and Plant Growth. <i>Frontiers in Microbiology</i> , 2019, 10, 1937.	3.5	24
25	Impact of elevated CO ₂ on two contrasting wheat genotypes exposed to intermediate drought stress at anthesis. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 20-33.	3.5	24
26	Elevated carbon dioxide alleviates the negative impact of drought on wheat by modulating plant metabolism and physiology. <i>Agricultural Water Management</i> , 2021, 250, 106804.	5.6	23
27	The Arabidopsis PLAT domain protein1 promotes abiotic stress tolerance and growth in tobacco. <i>Transgenic Research</i> , 2015, 24, 651-663.	2.4	16
28	Identification of Root-Associated Bacteria That Influence Plant Physiology, Increase Seed Germination, or Promote Growth of the Christmas Tree Species <i>Abies nordmanniana</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 566613.	3.5	13
29	UV-B Exposure of Black Carrot (<i>Daucus carota</i> ssp. <i>sativus</i> var. <i>atrorubens</i>) Plants Promotes Growth, Accumulation of Anthocyanin, and Phenolic Compounds. <i>Agronomy</i> , 2019, 9, 323.	3.0	10
30	Elevated CO ₂ modulates the effect of heat stress responses in <i>Triticum aestivum</i> by differential expression of an isoflavone reductase-like gene. <i>Journal of Experimental Botany</i> , 2021, , .	4.8	10
31	Identification of a bio-signature for barley resistance against <i>Pyrenophora teres</i> infection based on physiological, molecular and sensor-based phenotyping. <i>Plant Science</i> , 2021, 313, 111072.	3.6	9
32	Physiological and phenotypic characterization of diverse <i>Camelina sativa</i> lines in response to waterlogging. <i>Plant Physiology and Biochemistry</i> , 2022, 183, 120-127.	5.8	9
33	Editorial: Cross-Frontier Communication: Phytohormone Functions at the Plant-Microbe Interface and Beyond. <i>Frontiers in Plant Science</i> , 2020, 11, 386.	3.6	5
34	A flowchart as a tool to support student learning in a laboratory exercise. <i>Dansk Universitetspædagogisk Tidsskrift</i> , 2019, 14, 23-35.	0.1	2
35	Silver Nanoparticles Affect <i>Arabidopsis thaliana</i> Leaf Tissue Integrity and Suppress <i>Pseudomonas syringae</i> Infection Symptoms in a Dose-Dependent Manner. <i>BioNanoScience</i> , 0, , .	3.5	1