Dominik K GroÃkinsky

List of Publications by Year
in descending order

35	2,095	257450 24	330143 37
papers	citations	h-index	g-index

39	39	39	2796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physiological and phenotypic characterization of diverse Camelina sativa lines in response to waterlogging. Plant Physiology and Biochemistry, 2022, 183, 120-127.	5.8	9
2	Impact of elevated CO₂ on two contrasting wheat genotypes exposed to intermediate drought stress at anthesis. Journal of Agronomy and Crop Science, 2021, 207, 20-33.	3.5	24
3	Elevated CO2 modulates the effect of heat stress responses inTriticum aestivumby differential expression of anisoflavone reductase-like gene. Journal of Experimental Botany, 2021, , .	4.8	10
4	Elevated carbon dioxide alleviates the negative impact of drought on wheat by modulating plant metabolism and physiology. Agricultural Water Management, 2021, 250, 106804.	5.6	23
5	Identification of a bio-signature for barley resistance against Pyrenophora teres infection based on physiological, molecular and sensor-based phenotyping. Plant Science, 2021, 313, 111072.	3.6	9
6	Identification of Root-Associated Bacteria That Influence Plant Physiology, Increase Seed Germination, or Promote Growth of the Christmas Tree Species Abies nordmanniana. Frontiers in Microbiology, 2020, 11, 566613.	3.5	13
7	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. BMC Plant Biology, 2020, 20, 400.	3.6	37
8	Simple semi-high throughput determination of activity signatures of key antioxidant enzymes for physiological phenotyping. Plant Methods, 2020, 16, 42.	4.3	45
9	Bacillus licheniformis FMCH001 Increases Water Use Efficiency via Growth Stimulation in Both Normal and Drought Conditions. Frontiers in Plant Science, 2020, 11, 297.	3.6	57
10	Editorial: Cross-Frontier Communication: Phytohormone Functions at the Plant-Microbe Interface and Beyond. Frontiers in Plant Science, 2020, 11, 386.	3.6	5
11	UV-B Exposure of Black Carrot (Daucus carota ssp. sativus var. atrorubens) Plants Promotes Growth, Accumulation of Anthocyanin, and Phenolic Compounds. Agronomy, 2019, 9, 323.	3.0	10
12	Tackling Salinity in Sustainable Agricultureâ€"What Developing Countries May Learn from Approaches of the Developed World. Sustainability, 2019, 11, 4558.	3.2	46
13	Root-Associated Microbial Communities of Abies nordmanniana: Insights Into Interactions of Microbial Communities With Antioxidative Enzymes and Plant Growth. Frontiers in Microbiology, 2019, 10, 1937.	3.5	24
14	The Phenotyping Dilemmaâ€"The Challenges of a Diversified Phenotyping Community. Frontiers in Plant Science, 2019, 10, 163.	3.6	32
15	A flowchart as a tool to support student learning in a laboratory exercise. Dansk UniversitetspÃ¦dagogisk Tidsskrift, 2019, 14, 23-35.	0.1	2
16	Integration of multi-omics techniques and physiological phenotyping within a holistic phenomics approach to study senescence in model and crop plants. Journal of Experimental Botany, 2018, 69, 825-844.	4.8	104
17	Screening of Barley Resistance Against Powdery Mildew by Simultaneous High-Throughput Enzyme Activity Signature Profiling and Multispectral Imaging. Frontiers in Plant Science, 2018, 9, 1074.	3.6	27
18	Differential Effects of Carbohydrates on Arabidopsis Pollen Germination. Plant and Cell Physiology, 2017, 58, 691-701.	3.1	43

#	Article	IF	Citations
19	Metabolic Control of Tobacco Pollination by Sugars and Invertases. Plant Physiology, 2017, 173, 984-997.	4.8	67
20	Cytokinin production by Pseudomonas fluorescens G20-18 determines biocontrol activity against Pseudomonas syringae in Arabidopsis. Scientific Reports, 2016, 6, 23310.	3.3	148
21	Trichoderma volatiles effecting Arabidopsis: from inhibition to protection against phytopathogenic fungi. Frontiers in Microbiology, 2015, 6, 995.	3.5	149
22	The role ofcis-zeatin-type cytokinins in plant growth regulation and mediating responses to environmental interactions. Journal of Experimental Botany, 2015, 66, 4873-4884.	4.8	197
23	Simple and robust determination of the activity signature of key carbohydrate metabolism enzymes for physiological phenotyping in model and crop plants. Journal of Experimental Botany, 2015, 66, 5531-5542.	4.8	83
24	The Arabidopsis PLAT domain protein1 promotes abiotic stress tolerance and growth in tobacco. Transgenic Research, 2015, 24, 651-663.	2.4	16
25	Plant phenomics and the need for physiological phenotyping across scales to narrow the genotype-to-phenotype knowledge gap. Journal of Experimental Botany, 2015, 66, 5429-5440.	4.8	217
26	Ectopic overexpression of the cell wall invertase gene CIN1 leads to dehydration avoidance in tomato. Journal of Experimental Botany, 2015, 66, 863-878.	4.8	75
27	The Arabidopsis PLAT Domain Protein1 Is Critically Involved in Abiotic Stress Tolerance. PLoS ONE, 2014, 9, e112946.	2.5	47
28	Hormonal and metabolic regulation of tomato fruit sink activity and yield under salinity. Journal of Experimental Botany, 2014, 65, 6081-6095.	4.8	61
29	A Rapid Phytohormone and Phytoalexin Screening Method for Physiological Phenotyping. Molecular Plant, 2014, 7, 1053-1056.	8.3	50
30	Abscisic Acidâ€“Cytokinin Antagonism Modulates Resistance Against Pseudomonas syringae in Tobacco. Phytopathology, 2014, 104, 1283-1288.	2.2	28
31	Cis- and trans-zeatin differentially modulate plant immunity. Plant Signaling and Behavior, 2013, 8, e24798.	2.4	52
32	Phytoalexin transgenics in crop protectionâ€”Fairy tale with a happy end?. Plant Science, 2012, 195, 54-70.	3.6	79
33	Compartment-Specific Antioxidative Defense in Arabidopsis Against Virulent and Avirulent Pseudomonas syringae. Phytopathology, 2012, 102, 662-673.	2.2	47
34	Cytokinins Mediate Resistance againstPseudomonas syringaein Tobacco through Increased Antimicrobial Phytoalexin Synthesis Independent of Salicylic Acid Signaling Â Â. Plant Physiology, 2011, 157, 815-830.	4.8	178
35	Silver Nanoparticles Affect Arabidopsis thaliana Leaf Tissue Integrity and Suppress Pseudomonas syringae Infection Symptoms in a Dose-Dependent Manner. BioNanoScience, 0, , .	3.5	1