

# Marcus Jansen

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

922  
citations

759233

12  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous phenotyping of leaf growth and chlorophyll fluorescence via GROWSCREEN FLUORO allows detection of stress tolerance in <i>Arabidopsis thaliana</i> and other rosette plants. <i>Functional Plant Biology</i> , 2009, 36, 902.	2.1	274
2	HyperART: non-invasive quantification of leaf traits using hyperspectral absorption-reflectance-transmittance imaging. <i>Plant Methods</i> , 2015, 11, 1.	4.3	180
3	Non-invasive approaches for phenotyping of enhanced performance traits in bean. <i>Functional Plant Biology</i> , 2011, 38, 968.	2.1	120
4	Evolutionary Conserved Function of Barley and <i>Arabidopsis</i> 3-KETOACYL-CoA SYNTHASES in Providing Wax Signals for Germination of Powdery Mildew Fungi. <i>Plant Physiology</i> , 2014, 166, 1621-1633.	4.8	76
5	Shoot and root phenotyping of the barley mutant <i>kcs6</i> (3-ketoacyl-CoA synthase6) depleted in epicuticular waxes under water limitation. <i>Plant Signaling and Behavior</i> , 2015, 10, 1-3.	2.4	49
6	Acquired Resistance Functions in <i>mlo</i> Barley, Which Is Hypersusceptible to <i>Magnaporthe grisea</i> . <i>Molecular Plant-Microbe Interactions</i> , 2003, 16, 107-114.	2.6	40
7	Cyclic monoterpene mediated modulations of <i>Arabidopsis thaliana</i> phenotype. <i>Plant Signaling and Behavior</i> , 2010, 5, 832-838.	2.4	28
8	Regulation of growth by the trehalose pathway. <i>Plant Signaling and Behavior</i> , 2013, 8, e26626.	2.4	24
9	Phenotype of <i>Arabidopsis thaliana</i> semi-dwarfs with deep roots and high growth rates under water-limiting conditions is independent of the <i>GA5</i> loss-of-function alleles. <i>Annals of Botany</i> , 2015, 116, 321-331.	2.9	22
10	Non-Invasive Spectral Phenotyping Methods can Improve and Accelerate <i>Cercospora</i> Disease Scoring in Sugar Beet Breeding. <i>Agriculture (Switzerland)</i> , 2014, 4, 147-158.	3.1	19
11	Magnetic resonance imaging of sugar beet taproots in soil reveals growth reduction and morphological changes during foliar <i>Cercospora beticola</i> infestation. <i>Journal of Experimental Botany</i> , 2015, 66, 5543-5553.	4.8	16
12	The barley mutant <i>emr1</i> exhibits restored resistance against <i>Magnaporthe oryzae</i> in the hypersusceptible <i>mlo</i> -genetic background. <i>Planta</i> , 2007, 225, 1381-1391.	3.2	15
13	Competence of roots for race-specific resistance and the induction of acquired resistance against <i>Magnaporthe oryzae</i> . <i>Molecular Plant Pathology</i> , 2006, 7, 191-195.	4.2	14
14	Low-glutathione mutants are impaired in growth but do not show an increased sensitivity to moderate water deficit. <i>PLoS ONE</i> , 2019, 14, e0220589.	2.5	14
15	Non-invasive Phenotyping Methodologies Enable the Accurate Characterization of Growth and Performance of Shoots and Roots. , 2014, , 173-206.		13
16	Barley <i>Rom1</i> antagonizes <i>Rar1</i> function in <i>Magnaporthe oryzae</i> -infected leaves by enhancing epidermal and diminishing mesophyll defence. <i>New Phytologist</i> , 2008, 180, 702-710.	7.3	10
17	The barley mutant <i>emr2</i> shows enhanced resistance against several fungal leaf pathogens. <i>Plant Breeding</i> , 2009, 128, 124-129.	1.9	7
18	The Barley Mutant <i>emr1</i> was Identified in a Mutational Screen for Resistance Against <i>Magnaporthe oryzae</i> . <i>Plant Signaling and Behavior</i> , 2007, 2, 278-279.	2.4	1

#	ARTICLE	IF	CITATIONS
19	Image processing for bioassays. , 2018, , 263-287.		0