

Anton P Wasson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6245163/publications.pdf>

Version: 2024-02-01

17
papers

2,026
citations

567281

15
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Traits and selection strategies to improve root systems and water uptake in water-limited wheat crops. <i>Journal of Experimental Botany</i> , 2012, 63, 3485-3498.	4.8	643
2	Silencing the Flavonoid Pathway in <i>Medicago truncatula</i> Inhibits Root Nodule Formation and Prevents Auxin Transport Regulation by Rhizobia. <i>Plant Cell</i> , 2006, 18, 1617-1629.	6.6	349
3	MtCRE1-dependent cytokinin signaling integrates bacterial and plant cues to coordinate symbiotic nodule organogenesis in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2011, 65, 622-633.	5.7	257
4	Crop Improvement from Phenotyping Roots: Highlights Reveal Expanding Opportunities. <i>Trends in Plant Science</i> , 2020, 25, 105-118.	8.8	141
5	Soil coring at multiple field environments can directly quantify variation in deep root traits to select wheat genotypes for breeding. <i>Journal of Experimental Botany</i> , 2014, 65, 6231-6249.	4.8	134
6	Strategies to improve the productivity, product diversity and profitability of urban agriculture. <i>Agricultural Systems</i> , 2019, 174, 133-144.	6.1	103
7	Role of <i>LONELY GUY</i> genes in indeterminate nodulation on <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2014, 202, 582-593.	7.3	81
8	Differing requirements for flavonoids during the formation of lateral roots, nodules and root knot nematode galls in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2009, 183, 167-179.	7.3	64
9	A portable fluorescence spectroscopy imaging system for automated root phenotyping in soil cores in the field. <i>Journal of Experimental Botany</i> , 2016, 67, 1033-1043.	4.8	60
10	Beyond Digging: Noninvasive Root and Rhizosphere Phenotyping. <i>Trends in Plant Science</i> , 2020, 25, 119-120.	8.8	49
11	Genes expressed in zoospores of <i>Phytophthora nicotianae</i> . <i>Molecular Genetics and Genomics</i> , 2004, 270, 549-557.	2.1	34
12	The Control of Auxin Transport in Parasitic and Symbiotic Root-Microbe Interactions. <i>Plants</i> , 2015, 4, 606-643.	3.5	30
13	Wheats developed for high yield on stored soil moisture have deep vigorous root systems. <i>Functional Plant Biology</i> , 2016, 43, 173.	2.1	27
14	Root phenotypes at maturity in diverse wheat and triticale genotypes grown in three field experiments: Relationships to shoot selection, biomass, grain yield, flowering time, and environment. <i>Field Crops Research</i> , 2020, 255, 107870.	5.1	25
15	Differentiating Wheat Genotypes by Bayesian Hierarchical Nonlinear Mixed Modeling of Wheat Root Density. <i>Frontiers in Plant Science</i> , 2017, 8, 282.	3.6	15
16	Evaluation of root characteristics, canopy temperature depression and stay green trait in relation to grain yield in wheat under early and late sown conditions. <i>Indian Journal of Plant Physiology</i> , 2014, 19, 43-47.	0.8	11
17	Carbon budgeting belowground. <i>New Phytologist</i> , 2021, 232, 5-7.	7.3	0