

Tobias Kretzschmar

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,188
citations

279487

23
h-index

276539

41
g-index

45
all docs

45
docs citations

45
times ranked

4648
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Association Reveals Trait Loci for Seed Glucosinolate Accumulation in Indian Mustard (<i>Brassica juncea</i> L.). <i>Plants</i> , 2022, 11, 364.	1.6	8
2	Predicting tea tree oil distillate composition using portable spectrometric technology. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 771-784.	1.2	3
3	Simultaneous Quantification of 17 Cannabinoids in Cannabis Inflorescence by Liquid Chromatography-Mass Spectrometry. <i>Separations</i> , 2022, 9, 85.	1.1	5
4	A One-Step Grafting Methodology Can Adjust Stem Morphology and Increase THCA Yield in Medicinal Cannabis. <i>Agronomy</i> , 2022, 12, 852.	1.3	3
5	Characterization of the Cannabis sativa glandular trichome proteome. <i>PLoS ONE</i> , 2021, 16, e0242633.	1.1	25
6	Drought response QTLs in a Super Basmati \times Azucena population by high-density GBS-based SNP linkage mapping. <i>Plant Breeding</i> , 2021, 140, 758-774.	1.0	7
7	An extreme-phenotype genome-wide association study identifies candidate cannabinoid pathway genes in Cannabis. <i>Scientific Reports</i> , 2020, 10, 18643.	1.6	17
8	An improved 7K SNP array, the C7AIR, provides a wealth of validated SNP markers for rice breeding and genetics studies. <i>PLoS ONE</i> , 2020, 15, e0232479.	1.1	51
9	The Genetic Basis and Nutritional Benefits of Pigmented Rice Grain. <i>Frontiers in Genetics</i> , 2020, 11, 229.	1.1	108
10	Complex Patterns of Cannabinoid Alkyl Side-Chain Inheritance in Cannabis. <i>Scientific Reports</i> , 2019, 9, 11421.	1.6	14
11	Methodology: ssb-MASS: a single seed-based sampling strategy for marker-assisted selection in rice. <i>Plant Methods</i> , 2019, 15, 78.	1.9	14
12	1k-RiCA (1K-Rice Custom Amplicon) a novel genotyping amplicon-based SNP assay for genetics and breeding applications in rice. <i>Rice</i> , 2019, 12, 55.	1.7	46
13	Exploring the genetic diversity within traditional Philippine pigmented Rice. <i>Rice</i> , 2019, 12, 27.	1.7	12
14	Variation in seed longevity among diverse Indica rice varieties. <i>Annals of Botany</i> , 2019, 124, 447-460.	1.4	45
15	Rice Galaxy: an open resource for plant science. <i>GigaScience</i> , 2019, 8, .	3.3	11
16	DNA fingerprinting at farm level maps rice biodiversity across Bangladesh and reveals regional varietal preferences. <i>Scientific Reports</i> , 2018, 8, 14920.	1.6	20
17	Transcriptional response of rice flag leaves to restricted external phosphorus supply during grain filling in rice cv. IR64. <i>PLoS ONE</i> , 2018, 13, e0203654.	1.1	7
18	Association mapping in rice: basic concepts and perspectives for molecular breeding. <i>Plant Production Science</i> , 2018, 21, 159-176.	0.9	28

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19	Genome-wide association and gene validation studies for early root vigour to improve direct seeding of rice. <i>Plant, Cell and Environment</i> , 2018, 41, 2731-2743.	2.8	35
20	Phosphorus remobilization from rice flag leaves during grain filling: an <i>scRNA-seq</i> study. <i>Plant Biotechnology Journal</i> , 2017, 15, 15-26.	4.1	55
21	Genome-wide Association Analysis Tracks Bacterial Leaf Blight Resistance Loci In Rice Diverse Germplasm. <i>Rice</i> , 2017, 10, 8.	1.7	49
22	Genetic dissection for zinc deficiency tolerance in rice using bi-parental mapping and association analysis. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1903-1914.	1.8	16
23	CRISPR-Cas9 and CRISPR-Cpf1 mediated targeting of a stomatal developmental gene EPFL9 in rice. <i>Plant Cell Reports</i> , 2017, 36, 745-757.	2.8	170
24	Crop-model assisted phenomics and genome-wide association study for climate adaptation of indica rice. 1. Phenology. <i>Journal of Experimental Botany</i> , 2017, 68, 4369-4388.	2.4	16
25	Crop-model assisted phenomics and genome-wide association study for climate adaptation of indica rice. 2. Thermal stress and spikelet sterility. <i>Journal of Experimental Botany</i> , 2017, 68, 4389-4406.	2.4	26
26	Large-scale deployment of a rice 6K SNP array for genetics and breeding applications. <i>Rice</i> , 2017, 10, 40.	1.7	97
27	Can natural variation in grain P concentrations be exploited in rice breeding to lower fertilizer requirements?. <i>PLoS ONE</i> , 2017, 12, e0179484.	1.1	10
28	The importance of strigolactone transport regulation for symbiotic signaling and shoot branching. <i>Planta</i> , 2016, 243, 1351-1360.	1.6	57
29	From promise to application: root traits for enhanced nutrient capture in rice breeding. <i>Journal of Experimental Botany</i> , 2016, 67, 3605-3615.	2.4	79
30	Phosphorus uptake, partitioning and redistribution during grain filling in rice. <i>Annals of Botany</i> , 2016, 118, 1151-1162.	1.4	50
31	<i>Petunia hybrida</i> PDR2 is involved in herbivore defense by controlling steroidal contents in trichomes. <i>Plant, Cell and Environment</i> , 2016, 39, 2725-2739.	2.8	34
32	The knowns and unknowns of phosphorus loading into grains, and implications for phosphorus efficiency in cropping systems. <i>Journal of Experimental Botany</i> , 2016, 67, 1221-1229.	2.4	51
33	A trehalose-6-phosphate phosphatase enhances anaerobic germination tolerance in rice. <i>Nature Plants</i> , 2015, 1, 15124.	4.7	263
34	Unmasking Novel Loci for Internal Phosphorus Utilization Efficiency in Rice Germplasm through Genome-Wide Association Analysis. <i>PLoS ONE</i> , 2015, 10, e0124215.	1.1	83
35	A petunia ABC protein controls strigolactone-dependent symbiotic signalling and branching. <i>Nature</i> , 2012, 483, 341-344.	13.7	502
36	Plant ABC Transporters. <i>The Arabidopsis Book</i> , 2011, 9, e0153.	0.5	401

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37	Functions of ABC transporters in plants. <i>Essays in Biochemistry</i> , 2011, 50, 145-160.	2.1	110
38	Phosphate systemically inhibits development of arbuscular mycorrhiza in <i>Petunia hybrida</i> and represses genes involved in mycorrhizal functioning. <i>Plant Journal</i> , 2010, 64, 1002-1017.	2.8	354
39	Plasma membrane H ⁺ -ATPase-dependent citrate exudation from cluster roots of phosphate-deficient white lupin. <i>Plant, Cell and Environment</i> , 2009, 32, 465-475.	2.8	99
40	Impaired pH Homeostasis in <i>Arabidopsis</i> Lacking the Vacuolar Dicarboxylate Transporter and Analysis of Carboxylic Acid Transport across the Tonoplast. <i>Plant Physiology</i> , 2005, 137, 901-910.	2.3	168