

Aakash Chawade

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,565
citations

304368

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223531

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73
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73
docs citations

73
times ranked

3437
citing authors

#	ARTICLE	IF	CITATIONS
1	Food Waste to Energy: An Overview of Sustainable Approaches for Food Waste Management and Nutrient Recycling. <i>BioMed Research International</i> , 2017, 2017, 1-19.	0.9	338
2	Normalyzer: A Tool for Rapid Evaluation of Normalization Methods for Omics Data Sets. <i>Journal of Proteome Research</i> , 2014, 13, 3114-3120.	1.8	218
3	Mutagenesis as a Tool in Plant Genetics, Functional Genomics, and Breeding. <i>International Journal of Plant Genomics</i> , 2011, 2011, 1-13.	2.2	191
4	High-Throughput Field-Phenotyping Tools for Plant Breeding and Precision Agriculture. <i>Agronomy</i> , 2019, 9, 258.	1.3	144
5	NormalyzerDE: Online Tool for Improved Normalization of Omics Expression Data and High-Sensitivity Differential Expression Analysis. <i>Journal of Proteome Research</i> , 2019, 18, 732-740.	1.8	137
6	Chitinasesâ€”Potential Candidates for Enhanced Plant Resistance towards Fungal Pathogens. <i>Agriculture (Switzerland)</i> , 2018, 8, 88.	1.4	117
7	What is cost-efficient phenotyping? Optimizing costs for different scenarios. <i>Plant Science</i> , 2019, 282, 14-22.	1.7	103
8	Development and characterization of an oat TILLING-population and identification of mutations in lignin and Î²-glucan biosynthesis genes. <i>BMC Plant Biology</i> , 2010, 10, 86.	1.6	90
9	De-construction of major Indian cereal crop residues through chemical pretreatment for improved biogas production: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 160-170.	8.2	82
10	Dinosaur: A Refined Open-Source Peptide MS Feature Detector. <i>Journal of Proteome Research</i> , 2016, 15, 2143-2151.	1.8	70
11	Global Expression Profiling of Low Temperature Induced Genes in the Chilling Tolerant Japonica Rice Jumli Marshi. <i>PLoS ONE</i> , 2013, 8, e81729.	1.1	53
12	Is labelâ€”free LCâ€”MS/MS ready for biomarker discovery?. <i>Proteomics - Clinical Applications</i> , 2015, 9, 289-294.	0.8	51
13	Wheat Blast: A Disease Spreading by Intercontinental Jumps and Its Management Strategies. <i>Frontiers in Plant Science</i> , 2021, 12, 710707.	1.7	51
14	Targeted Proteomics Approach for Precision Plant Breeding. <i>Journal of Proteome Research</i> , 2016, 15, 638-646.	1.8	44
15	Proximal Phenotyping and Machine Learning Methods to Identify Septoria Tritici Blotch Disease Symptoms in Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 685.	1.7	44
16	Additives as a Support Structure for Specific Biochemical Activity Boosts in Anaerobic Digestion: A Review. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	44
17	CWAS-Assisted Genomic Prediction to Predict Resistance to Septoria Tritici Blotch in Nordic Winter Wheat at Seedling Stage. <i>Frontiers in Genetics</i> , 2019, 10, 1224.	1.1	41
18	A transnational and holistic breeding approach is needed for sustainable wheat production in the Baltic Sea region. <i>Physiologia Plantarum</i> , 2018, 164, 442-451.	2.6	36

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19	Genome-Wide Association Analysis and Genomic Prediction for Adult-Plant Resistance to Septoria Tritici Blotch and Powdery Mildew in Winter Wheat. <i>Frontiers in Genetics</i> , 2021, 12, 661742.	1.1	34
20	Data Processing Has Major Impact on the Outcome of Quantitative Label-Free LC-MS Analysis. <i>Journal of Proteome Research</i> , 2015, 14, 676-687.	1.8	33
21	The GARD platform for potency assessment of skin sensitizing chemicals. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 539-559.	0.9	31
22	Putative cold acclimation pathways in <i>Arabidopsis thaliana</i> identified by a combined analysis of mRNA co-expression patterns, promoter motifs and transcription factors. <i>BMC Genomics</i> , 2007, 8, 304.	1.2	27
23	Scandinavian perspectives on plant gene technology: applications, policies and progress. <i>Physiologia Plantarum</i> , 2018, 162, 219-238.	2.6	24
24	GIS Application for the Estimation of Bioenergy Potential from Agriculture Residues: An Overview. <i>Energies</i> , 2021, 14, 898.	1.6	24
25	<i>In silico</i> analysis of promoter regions from cold-induced genes in rice (<i>Oryza sativa</i> L.) and <i>Arabidopsis thaliana</i> reveals the importance of combinatorial control. <i>Bioinformatics</i> , 2009, 25, 1345-1348.	1.8	23
26	QTL Mapping and Transcriptome Analysis to Identify Differentially Expressed Genes Induced by Septoria Tritici Blotch Disease of Wheat. <i>Agronomy</i> , 2019, 9, 510.	1.3	23
27	Affordable Phenotyping of Winter Wheat under Field and Controlled Conditions for Drought Tolerance. <i>Agronomy</i> , 2020, 10, 882.	1.3	23
28	Transcriptome profiling by combined machine learning and statistical R analysis identifies TMEM236 as a potential novel diagnostic biomarker for colorectal cancer. <i>Scientific Reports</i> , 2021, 11, 14304.	1.6	22
29	Identification and qualitative characterization of high and low lignin lines from an oat TILLING population. <i>Industrial Crops and Products</i> , 2014, 59, 1-8.	2.5	21
30	Affordable Imaging Lab for Noninvasive Analysis of Biomass and Early Vigour in Cereal Crops. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	20
31	QTL Mapping for Resistance to Early Blight in a Tetraploid Potato Population. <i>Agronomy</i> , 2020, 10, 728.	1.3	20
32	Climate Change Impact on Wheat Performance—Effects on Vigour, Plant Traits and Yield from Early and Late Drought Stress in Diverse Lines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3333.	1.8	20
33	Draft Genome Sequence for the Tree Pathogen <i>Phytophthora plurivora</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2432-2442.	1.1	19
34	QTL mapping for field resistance to wheat blast in the Caninde#1/Alondra population. <i>Theoretical and Applied Genetics</i> , 2020, 133, 2673-2683.	1.8	19
35	Draft genome of the oomycete pathogen <i>Phytophthora cactorum</i> strain LV007 isolated from European beech (<i>Fagus sylvatica</i>). <i>Genomics Data</i> , 2017, 12, 155-156.	1.3	18
36	Genetic Engineering of Energy Crops to Reduce Recalcitrance and Enhance Biomass Digestibility. <i>Agriculture (Switzerland)</i> , 2018, 8, 76.	1.4	17

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37	RNA Interference and CRISPR/Cas Gene Editing for Crop Improvement: Paradigm Shift towards Sustainable Agriculture. <i>Plants</i> , 2021, 10, 1914.	1.6	17
38	Prioritization of solid concentration and temperature for solid state anaerobic digestion of pearl millet straw employing multi-criteria assessment tool. <i>Scientific Reports</i> , 2019, 9, 11902.	1.6	16
39	Clinical biomarker discovery by SWATH-MS based label-free quantitative proteomics: impact of criteria for identification of differentiators and data normalization method. <i>Journal of Translational Medicine</i> , 2019, 17, 184.	1.8	16
40	Screening and Mapping for Head Blast Resistance in a Panel of CIMMYT and South Asian Bread Wheat Germplasm. <i>Frontiers in Genetics</i> , 2021, 12, 679162.	1.1	16
41	Predicting yellow rust in wheat breeding trials by proximal phenotyping and machine learning. <i>Plant Methods</i> , 2022, 18, 30.	1.9	16
42	Deletion of glycerol channel aquaporin-9 (Aqp9) impairs long-term blood glucose control in C57BL/6 leptin receptor-deficient (db/db) obese mice. <i>Physiological Reports</i> , 2015, 3, e12538.	0.7	15
43	Development of a Model System to Identify Differences in Spring and Winter Oat. <i>PLoS ONE</i> , 2012, 7, e29792.	1.1	14
44	Practical breeding strategies to improve resistance to <i>Septoria tritici</i> blotch of wheat. <i>Euphytica</i> , 2018, 214, 1.	0.6	14
45	Comparative Transcriptomics of Sijung and Jumli Marshi Rice during Early Chilling Stress Imply Multiple Protective Mechanisms. <i>PLoS ONE</i> , 2015, 10, e0125385.	1.1	14
46	A Bioinformatics Pipeline to Identify a Subset of SNPs for Genomics-Assisted Potato Breeding. <i>Plants</i> , 2021, 10, 30.	1.6	14
47	Genomic Selection for Wheat Blast in a Diversity Panel, Breeding Panel and Full-Sibs Panel. <i>Frontiers in Plant Science</i> , 2021, 12, 745379.	1.7	13
48	An integrated transcriptomic- and proteomic-based approach to evaluate the human skin sensitization potential of glyphosate and its commercial agrochemical formulations. <i>Journal of Proteomics</i> , 2020, 217, 103647.	1.2	12
49	Functional phenomics for improved climate resilience in Nordic agriculture. <i>Journal of Experimental Botany</i> , 2022, 73, 5111-5127.	2.4	10
50	Wholegrain oat diet changes the expression of genes associated with intestinal bile acid transport. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600874.	1.5	9
51	New Genotypes and Genomic Regions for Resistance to Wheat Blast in South Asian Germplasm. <i>Plants</i> , 2021, 10, 2693.	1.6	9
52	Genetic dissection for head blast resistance in wheat using two mapping populations. <i>Heredity</i> , 2022, 128, 402-410.	1.2	9
53	Differential Gene Expression Analysis of Wheat Breeding Lines Reveal Molecular Insights in Yellow Rust Resistance under Field Conditions. <i>Agronomy</i> , 2020, 10, 1888.	1.3	8
54	Phenocave: An Automated, Standalone, and Affordable Phenotyping System for Controlled Growth Conditions. <i>Plants</i> , 2021, 10, 1817.	1.6	7

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55	Interactive proteogenomic exploration of response to Fusarium head blight in oat varieties with different resistance. <i>Journal of Proteomics</i> , 2020, 218, 103688.	1.2	6
56	Frontiers in the Solicitation of Machine Learning Approaches in Vegetable Science Research. <i>Sustainability</i> , 2021, 13, 8600.	1.6	6
57	Unraveling the Genetic Basis of Key Agronomic Traits of Wrinkled Vining Pea (<i>Pisum sativum</i> L.) for Sustainable Production. <i>Frontiers in Plant Science</i> , 2022, 13, 844450.	1.7	6
58	Identification of Genomic Regions and Sources for Wheat Blast Resistance through GWAS in Indian Wheat Genotypes. <i>Genes</i> , 2022, 13, 596.	1.0	6
59	Comments on two recent publications on GM maize and Roundup. <i>Scientific Reports</i> , 2018, 8, 13338.	1.6	5
60	Characterizing Winter Wheat Germplasm for Fusarium Head Blight Resistance Under Accelerated Growth Conditions. <i>Frontiers in Plant Science</i> , 2021, 12, 705006.	1.7	5
61	Breeding for Wheat Blast Resistance. , 2020, , 163-174.		5
62	Identification of Cold-Induced Genes in Cereal Crops and Arabidopsis Through Comparative Analysis of Multiple EST Sets. , 2007, , 48-65.		4
63	Relating genes in the biosynthesis of the polyphenol composition of <scp>A</scp>ndean colored potato collection. <i>Food Science and Nutrition</i> , 2014, 2, 46-57.	1.5	4
64	Mapping for adult-plant resistance against <i>Septoria tritici</i> blotch in a common wheat line Murga. <i>Phytopathology</i> , 2020, 111, 1001-1007.	1.1	3
65	Nordic research infrastructures for plant phenotyping. <i>Agricultural and Food Science</i> , 2018, 27, .	0.3	3
66	Evaluation of Combining Several Statistical Methods with a Flexible Cutoff for Identifying Differentially Expressed Genes in Pairwise Comparison of EST Sets. <i>Bioinformatics and Biology Insights</i> , 2008, 2, BBI.S431.	1.0	2
67	The GARD assay expanded â€“ Potency assessment of skin sensitizing chemicals. <i>Toxicology Letters</i> , 2016, 259, S171.	0.4	2
68	Evaluation of elite bread wheat lines for resistance to blast disease in Bangladesh. <i>Euphytica</i> , 2021, 217, 1.	0.6	2
69	Specalyzerâ€”an interactive online tool to analyze spectral reflectance measurements. <i>PeerJ</i> , 2018, 6, e5031.	0.9	2
70	Beating the beast-wheat blast disease. , 2021, , 205-223.		1
71	Lignocellulolytic and Chitinolytic Glycoside Hydrolases: Structure, Catalytic Mechanism, Directed Evolution and Industrial Implementation. , 2020, , 97-127.		0