Aditya Pratap

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1091309/publications.pdf

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80	1,711	361413	345221
papers	citations	20 h-index	36 g-index

83	83	83	1304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Achievements and prospects of genomics-assisted breeding in three legume crops of the semi-arid tropics. Biotechnology Advances, 2013, 31, 1120-1134.	11.7	289
2	Towards markerâ€assisted selection in pulses: a review. Plant Breeding, 2011, 130, 297-313.	1.9	156
3	Biotic and Abiotic Constraints in Mungbean Productionâ€"Progress in Genetic Improvement. Frontiers in Plant Science, 2019, 10, 1340.	3.6	120
4	Marker-assisted introgression of resistance to fusarium wilt race 2 in Pusa 256, an elite cultivar of desi chickpea. Molecular Genetics and Genomics, 2017, 292, 1237-1245.	2.1	61
5	Efficient haploid induction in wheat by using pollen of Imperata cylindrica. Plant Breeding, 2005, 124, 96-98.	1.9	57
6	Current Perspectives on Introgression Breeding in Food Legumes. Frontiers in Plant Science, 2020, 11, 589189.	3.6	52
7	Inheritance and molecular tagging of MYMIV resistance gene in blackgram (Vigna mungo L. Hepper). Euphytica, 2013, 193, 27-37.	1.2	50
8	Relative efficiency of different Gramineae genera for haploid induction in triticale and triticale x wheat hybrids through the chromosome elimination technique. Plant Breeding, 2005, 124, 147-153.	1.9	49
9	Using Plant Phenomics to Exploit the Gains of Genomics. Agronomy, 2019, 9, 126.	3.0	44
10	Genomic resources for improving food legume crops. Journal of Agricultural Science, 2012, 150, 289-318.	1.3	41
11	History, Origin, and Evolution. Advances in Botanical Research, 2007, 45, 1-20.	1.1	39
12	Potential, constraints and applications of in vitro methods in improving grain legumes. Plant Breeding, 2018, 137, 235-249.	1.9	36
13	Identification and characterization of sources for photoâ€•and thermoâ€insensitivity in Vigna species. Plant Breeding, 2014, 133, 756-764.	1.9	35
14	Relative Efficiency of Anther Culture and Chromosome Elimination Techniques for Haploid Induction in Triticale Ã— Wheat and Triticale Ã— Triticale Hybrids. Euphytica, 2006, 150, 339-345.	1.2	31
15	Phenomics in Crop Plants: Trends, Options and Limitations. , 2015, , .		29
16	Genome scanning of Asiatic Vigna species for discerning population genetic structure based on microsatellite variation. Molecular Breeding, 2015, 35, 1.	2.1	29
17	Physiological Traits for Shortening Crop Duration and Improving Productivity of Greengram (Vigna) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	28
18	Breeding Progress and Future Challenges: Biotic Stresses. Compendium of Plant Genomes, 2020, , 55-80.	0.5	24

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19	Genetic improvement of mungbean and urdbean and their role in enhancing pulse production in India. Indian Journal of Genetics and Plant Breeding, 2016, 76, 550.	0.5	23
20	Soybean. , 2012, , 293-321.		22
21	Variation in pre-harvest sprouting tolerance and fresh seed germination in mungbean (Vigna) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	22
22	Delineating taxonomic identity of two closely related Vigna species of section Aconitifoliae: V. trilobata (L.) Verdc. and V. stipulacea (Lam.) Kuntz in India. Genetic Resources and Crop Evolution, 2019, 66, 1155-1165.	1.6	22
23	First report of natural infection of Mungbean yellow mosaic India virus in two wild species of Vigna. New Disease Reports, 2011, 23, 21-21.	0.8	22
24	Characterization of a new begomovirus and a beta satellite associated with the leaf curl disease of French bean in northern India. Virus Genes, 2013, 46, 120-127.	1.6	20
25	Delineation of Genotype-by-Environment interactions for identification and validation of resistant genotypes in mungbean to root-knot nematode (Meloidogyne incognita) using GGE biplot. Scientific Reports, 2020, 10, 4108.	3.3	20
26	Improving Drought Tolerance in Mungbean (Vigna radiata L. Wilczek): Morpho-Physiological, Biochemical and Molecular Perspectives. Agronomy, 2021, 11, 1534.	3.0	19
27	Evaluation of Screening Methods for Bruchid Beetle (Callosobruchus chinensis) resistance in Greengram (Vigna radiata) and Blackgram (Vigna mungo) genotypes and influence of seed physical characteristics on its infestation. Vegetos, 2014, 27, 60.	1.5	19
28	Towards Development of Climate Smart Mungbean: Challenges and Opportunities. , 2019, , 235-264.		18
29	Association mapping for mungbean yellow mosaic India virus resistance in mungbean (Vigna radiata L.) Tj ETQq1 1 0.784314 rgBT /O	2.2	18
30	Soybean. , 2016, , 293-315.		17
31	Delineating GenotypeÂÃ—ÂEnvironment interactions towards durable resistance in mungbean against Cercospora leaf spot (Cercospora canescens) using GGE biplot. Plant Breeding, 2020, 139, 639-650.	1.9	17
32	Crossâ€genera amplification of informative microsatellite markers from common bean and scarlet runner bean for assessment of genetic diversity in mungbean (Vigna radiata). Plant Breeding, 2016, 135, 499-505.	1.9	16
33	Breeding for Enhancing Legumovirus Resistance in Mungbean: Current Understanding and Future Directions. Agronomy, 2019, 9, 622.	3.0	16
34	Food Legumes for Nutritional Security and Health Benefits. , 2016, , 41-50.		15
35	Assessment of root phenotypes in mungbean mini-core collection (MMC) from the World Vegetable Center (AVRDC) Taiwan. PLoS ONE, 2021, 16, e0247810.	2.5	15
36	Breeding Progress and Future Challenges: Abiotic Stresses. Compendium of Plant Genomes, 2020, , 81-96.	0.5	15

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37	Vigna. , 2014, , 163-189.		14
38	Plant Phenomics: An Overview. , 2015, , 1-10.		14
39	Biology and Ecology of Wild Crucifers. , 2009, , 37-67.		13
40	Evaluation of wild species of lentil for agro-morphological traits. Legume Research, 2014, 37, 11.	0.1	11
41	Alien Gene Transfer in Crop Plants, Volume 2. , 2014, , .		10
42	Genome-Wide Analysis of Late Embryogenesis Abundant Protein Gene Family in Vigna Species and Expression of VrLEA Encoding Genes in Vigna glabrescens Reveal Its Role in Heat Tolerance. Frontiers in Plant Science, 2022, 13, 843107.	3.6	9
43	Breeding Methods. Advances in Botanical Research, 2007, 45, 21-48.	1.1	7
44	Screening of endemic wild Vigna accessions for resistance to three bruchid species. Journal of Stored Products Research, 2021, 93, 101864.	2.6	7
45	Molecular and Conventional Breeding Strategies for Improving Biotic Stress Resistance in Common Bean. , 2020, , 389-421.		7
46	High-Throughput Plant Phenotyping Platforms. , 2015, , 285-296.		7
47	Genetic diversity and population genetic structure analysis of an extensive collection of wild and cultivated Vigna accessions. Molecular Genetics and Genomics, 2021, 296, 1337-1353.	2.1	7
48	Understanding G Ã— E Interaction for Nutritional and Antinutritional Factors in a Diverse Panel of Vigna stipulacea (Lam.) Kuntz Germplasm Tested Over the Locations. Frontiers in Plant Science, 2021, 12, 766645.	3.6	7
49	Mungbean. , 2021, , 1-32.		6
50	Microsporogenesis and Haploidy Breeding. , 2009, , 293-307.		6
51	Microsatellite-based association mapping for agronomic traits in mungbean (Vigna radiata L. Wilczek). Journal of Genetics, 2021, 100, 1.	0.7	6
52	Insights into the genetic diversity of an underutilized Indian legume, Vigna stipulacea (Lam.) Kuntz., using morphological traits and microsatellite markers. PLoS ONE, 2022, 17, e0262634.	2.5	6
53	Genetic Enhancement in Mungbean (Vigna radiata) as Revealed by Genome-Wide Mapped Microsatellite Markers. Agricultural Research, 2021, 10, 369-377.	1.7	5
54	Urdbean. , 2021, , 33-54.		5

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55	History, origin and evolution.. , 2011, , 1-18.		5
56	Association Mapping for Yield Attributing Traits and Yellow Mosaic Disease Resistance in Mung Bean [Vigna radiata (L.) Wilczek]. Frontiers in Plant Science, 2021, 12, 749439.	3.6	5
57	Editorial: Accelerating Genetic Gains in Pulses. Frontiers in Plant Science, 2022, 13, 879377.	3.6	5
58	Lentil. , 2014, , 191-205.		3
59	Breeding for Insect Resistance in Mung Bean and Urd Bean. , 2017, , 353-385.		3
60	Genetic and Genomic Approaches for Improvement in Mungbean (Vigna radiata L.). , 2018, , 175-189.		3
61	Towards Enriching Genomic Resources in Legumes. , 2014, , 221-248.		3
62	Phenotyping Crop Plants for Drought and Heat-Related Traits. , 2015, , 89-100.		3
63	Identification and development of key descriptors for phenotypic characterization of tuber cowpea [Vigna vexillata (L.) A. Rich.]. Genetic Resources and Crop Evolution, 2022, 69, 1375-1389.	1.6	3
64	Species diversity, phylogeny and evidence of recombination in begomoviruses associated with yellow mosaic disease of moth bean (Vigna aconitifolia) in South India. Journal of Phytopathology, 2022, 170, 300-314.	1.0	3
65	Halopriming Imparts Salt Tolerance by Reducing Oxidative, Osmotic Stress and DNA Damage in Five Different Legume Varieties. Legume Research, 2021, , .	0.1	3
66	Alien Gene Transfer in Crop Plants: An Introduction. , 2014, , 1-23.		2
67	Alien Gene Transfer in Crop Plants, Volume 1. , 2014, , .		2
68	Pre- and Post-harvest Management of Physical and Nutritional Quality of Pulses. , 2016, , 421-431.		2
69	Biotechnological Interventions in Host Plant Resistance. , 2009, , 183-206.		2
70	Mungbean Breeding. , 2022, , 1097-1149.		2
71	Hybrid Technology. , 2012, , 1-21.		1
72	Genomics in Studying the Legume Genome Evolution. , 2014, , 287-300.		1

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73	Resistance status of mungbean (Vigna radiata (L.) Wilczek) advanced breeding materials against mungbean yellow mosaic India virus. Archives of Phytopathology and Plant Protection, 0, , 1-14.	1.3	1
74	Mungbean And High-Temperature Stress: Responses And Strategies To Improve Heat Tolerance. , 2020, , 144-170.		1
75	Genomic Designing for Abiotic Stress Tolerance in Mungbean and Urdbean. , 2022, , 271-343.		1
76	Crop Genetic Biodiversity with Special Reference to Oilseed Brassicas and Wild Allies: Conservation and Their Utilization. Sustainability in Plant and Crop Protection, 2019, , 47-62.	0.4	0
77	Online database and information system for mungbean germplasm. Legume Research, 2015, , .	0.1	0
78	Improving food legumes of semi-arid tropics for the benefit of smallholder farmers: Status and way forward. Current Advances in Agricultural Sciences(an International Journal), 2017, 9, 190.	0.0	0
79	Field characterization of endemic wild Vigna accessions collected from biodiversity hotspots of India to identify promising genotypes for multiple agronomic and adaptive traits. Indian Journal of Agricultural Research, 2018, , .	0.1	0
80	Field characterization of endemic wild Vigna accessions collected from biodiversity hotspots of India to identify promising genotypes for multiple agronomic and adaptive traits. Legume Research, 2018, , .	0.1	0