

Parwinder Kaur

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,215
citations

430874

18
h-index

454955

30
g-index

64
all docs

64
docs citations

64
times ranked

1601
citing authors

#	ARTICLE	IF	CITATIONS
1	3D genomics across the tree of life reveals condensin II as a determinant of architecture type. <i>Science</i> , 2021, 372, 984-989.	12.6	132
2	Decreasing Electron Flux through the Cytochrome and/or Alternative Respiratory Pathways Triggers Common and Distinct Cellular Responses Dependent on Growth Conditions. <i>Plant Physiology</i> , 2014, 167, 228-250.	4.8	85
3	Microchromosomes are building blocks of bird, reptile, and mammal chromosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	84
4	Genetic improvement of subterranean clover (<i>Trifolium subterraneum</i> L.). 1. Germplasm, traits and future prospects. <i>Crop and Pasture Science</i> , 2013, 64, 312.	1.5	82
5	Next-Generation Breeding Strategies for Climate-Ready Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 620420.	3.6	61
6	Airway Epithelial Cell Immunity Is Delayed During Rhinovirus Infection in Asthma and COPD. <i>Frontiers in Immunology</i> , 2020, 11, 974.	4.8	60
7	Proteome analysis of the <i>Albugo candida</i> – <i>Brassica juncea</i> pathosystem reveals that the timing of the expression of defence-related genes is a crucial determinant of pathogenesis. <i>Journal of Experimental Botany</i> , 2011, 62, 1285-1298.	4.8	39
8	An advanced reference genome of <i>Trifolium subterraneum</i> L. reveals genes related to agronomic performance. <i>Plant Biotechnology Journal</i> , 2017, 15, 1034-1046.	8.3	38
9	Proteomic Analysis of <i>Rhizoctonia solani</i> Identifies Infection-specific, Redox Associated Proteins and Insight into Adaptation to Different Plant Hosts. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1188-1203.	3.8	37
10	Draft genome sequence of subterranean clover, a reference for genus <i>Trifolium</i> . <i>Scientific Reports</i> , 2016, 6, 30358.	3.3	33
11	CRISPR-Cas systems: ushering in the new genome editing era. <i>Bioengineered</i> , 2018, 9, 214-221.	3.2	30
12	Synthetic Biology towards Improved Flavonoid Pharmacokinetics. <i>Biomolecules</i> , 2021, 11, 754.	4.0	29
13	Recent Advances in Heterologous Synthesis Paving Way for Future Green-Modular Bioindustries: A Review With Special Reference to Isoflavonoids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 673270.	4.1	28
14	Changes in gene expression during germination reveal pea genotypes with either “quiescence” or “escape” mechanisms of waterlogging tolerance. <i>Plant, Cell and Environment</i> , 2019, 42, 245-258.	5.7	26
15	Host Range and Phylogenetic Relationships of <i>Albugo candida</i> from Cruciferous Hosts in Western Australia, with Special Reference to <i>Brassica juncea</i> . <i>Plant Disease</i> , 2011, 95, 712-718.	1.4	25
16	2,4-D and dicamba resistance mechanisms in wild radish: subtle, complex and population specific?. <i>Annals of Botany</i> , 2018, 122, 627-640.	2.9	22
17	Pre-inoculation with <i>Hyaloperonospora parasitica</i> reduces incubation period and increases severity of disease caused by <i>Albugo candida</i> in a <i>Brassica juncea</i> variety resistant to downy mildew. <i>Journal of General Plant Pathology</i> , 2011, 77, 101-106.	1.0	21
18	Climate Clever Clovers: New Paradigm to Reduce the Environmental Footprint of Ruminants by Breeding Low Methanogenic Forages Utilizing Haplotype Variation. <i>Frontiers in Plant Science</i> , 2017, 8, 1463.	3.6	21

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19	Chromosome-length genome assemblies of six legume species provide insights into genome organization, evolution, and agronomic traits for crop improvement. <i>Journal of Advanced Research</i> , 2022, 42, 315-329.	9.5	20
20	Waterlogging tolerance of pea at germination. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 155-164.	3.5	19
21	High-quality reference genome for <i>Clonorchis sinensis</i> . <i>Genomics</i> , 2021, 113, 1605-1615.	2.9	19
22	RNA-sequencing based gene expression landscape of guava cv. Allahabad Safeda and comparative analysis to colored cultivars. <i>BMC Genomics</i> , 2020, 21, 484.	2.8	18
23	Pathogenic behaviour of strains of <i>Albugo candida</i> from <i>Brassica juncea</i> (Indian mustard) and <i>Raphanus raphanistrum</i> (wild radish) in Western Australia. <i>Australasian Plant Pathology</i> , 2008, 37, 353.	1.0	17
24	Waterlogging Tolerance at Germination in Field Pea: Variability, Genetic Control, and Indirect Selection. <i>Frontiers in Plant Science</i> , 2019, 10, 953.	3.6	15
25	Applications of CRISPR systems in respiratory health: Entering a new "red pen" era in genome editing. <i>Respirology</i> , 2019, 24, 628-637.	2.3	13
26	Morphological diversity within a core collection of subterranean clover (<i>Trifolium subterraneum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.5	13
27	Delineating the Tnt1 Insertion Landscape of the Model Legume <i>Medicago truncatula</i> cv. R108 at the Hi-C Resolution Using a Chromosome-Length Genome Assembly. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4326.	4.1	13
28	Chromosome-level genome of <i>Schistosoma haematobium</i> underpins genome-wide explorations of molecular variation. <i>PLoS Pathogens</i> , 2022, 18, e1010288.	4.7	13
29	The Key to the Future Lies in the Past: Insights from Grain Legume Domestication and Improvement Should Inform Future Breeding Strategies. <i>Plant and Cell Physiology</i> , 2022, 63, 1554-1572.	3.1	13
30	State of Shark and Ray Genomics in an Era of Extinction. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
31	First Report of Powdery Mildew Caused by <i>Erysiphe cruciferarum</i> on <i>Brassica juncea</i> in Australia. <i>Plant Disease</i> , 2008, 92, 650-650.	1.4	11
32	Protection against severe infant lower respiratory tract infections by immune training: Mechanistic studies. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 93-103.	2.9	11
33	Large-Scale Structural Variation Detection in Subterranean Clover Subtypes Using Optical Mapping. <i>Frontiers in Plant Science</i> , 2018, 9, 971.	3.6	10
34	Mapping the landscape of chromatin dynamics during naïve CD4+ T-cell activation. <i>Scientific Reports</i> , 2021, 11, 14101.	3.3	10
35	Globular structures in roots accumulate phosphorus to extremely high concentrations following phosphorus addition. <i>Plant, Cell and Environment</i> , 2019, 42, 1987-2002.	5.7	9
36	Microbial Metabolomics Interaction and Ecological Challenges of <i>Trichoderma</i> Species as Biocontrol Inoculant in Crop Rhizosphere. <i>Agronomy</i> , 2022, 12, 900.	3.0	9

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37	Transforming traditional nutrition paradigms with synthetic biology driven microbial production platforms. <i>Current Research in Biotechnology</i> , 2021, 3, 260-268.	3.7	8
38	Chromosome-length genome assembly and linkage map of a critically endangered Australian bird: the helmeted honeyeater. <i>GigaScience</i> , 2022, 11, .	6.4	8
39	Status and Potential of Single-Cell Transcriptomics for Understanding Plant Development and Functional Biology. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 997-1006.	1.5	7
40	Small investments with big returns: environmental genomic bioprospecting of microbial life. <i>Critical Reviews in Microbiology</i> , 2022, 48, 641-655.	6.1	7
41	Mass-spectrometry data for <i>Rhizoctonia solani</i> proteins produced during infection of wheat and vegetative growth. <i>Data in Brief</i> , 2016, 8, 267-271.	1.0	5
42	In Vitro-Assisted Compression of Breeding Cycles. , 2018, , 463-486.		5
43	An Improved Protocol for <i>Agrobacterium</i> -Mediated Transformation in Subterranean Clover (<i>Trifolium subterraneum</i> L.). <i>International Journal of Molecular Sciences</i> , 2021, 22, 4181.	4.1	5
44	New vision on the new era of genome study. <i>Functional and Integrative Genomics</i> , 2022, 22, 1-2.	3.5	5
45	Developing Bioprospecting Strategies for Bioplastics Through the Large-Scale Mining of Microbial Genomes. <i>Frontiers in Microbiology</i> , 2021, 12, 697309.	3.5	4
46	Investigating the development of diarrhoea through gene expression analysis in sheep genetically resistant to gastrointestinal helminth infection. <i>Scientific Reports</i> , 2022, 12, 2207.	3.3	4
47	From rags to enriched: metagenomic insights into ammonia-oxidizing archaea following ammonia enrichment of a denuded oligotrophic soil ecosystem. <i>Environmental Microbiology</i> , 2022, 24, 3097-3110.	3.8	4
48	Genetic Diversity Linked to Haplotype Variation in the World Core Collection of <i>Trifolium subterraneum</i> for Boron Toxicity Tolerance Provides Valuable Markers for Pasture Breeding. <i>Frontiers in Plant Science</i> , 2019, 10, 1043.	3.6	2
49	Genome Sequence of the Fungus <i>Nannizziopsis barbatae</i> , an Emerging Reptile Pathogen. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	2
50	Contribution of the Immune Response in the Ileum to the Development of Diarrhoea caused by Helminth Infection: Studies with the Sheep Model. <i>Functional and Integrative Genomics</i> , 2022, 22, 865-877.	3.5	2
51	Title is missing!. , 2020, 15, e0223699.		0
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56	Title is missing!. , 2020, 15, e0223699.		0