

Nirala Ramchiary

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

879
citations

471509

17
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

749
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetics of Clubroot Resistance in Brassica Species. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 252-264.	5.1	120
2	Genic Microsatellite Markers in Brassica rapa: Development, Characterization, Mapping, and Their Utility in Other Cultivated and Wild Brassica Relatives. <i>DNA Research</i> , 2011, 18, 305-320.	3.4	77
3	Quantitative Trait Loci Mapping in Brassica rapa Revealed the Structural and Functional Conservation of Genetic Loci Governing Morphological and Yield Component Traits in the A, B, and C Subgenomes of Brassica Species. <i>DNA Research</i> , 2013, 20, 1-16.	3.4	59
4	Comparative Analysis of Fruit Metabolites and Pungency Candidate Genes Expression between Bhut Jolokia and Other Capsicum Species. <i>PLoS ONE</i> , 2016, 11, e0167791.	2.5	50
5	Application of genetics and genomics towards Capsicum translational research. <i>Plant Biotechnology Reports</i> , 2014, 8, 101-123.	1.5	49
6	Identification of Potential microRNAs and Their Targets in Brassica rapa L.. <i>Molecules and Cells</i> , 2011, 32, 21-38.	2.6	43
7	A review on bioactive phytochemicals and ethnopharmacological potential of purslane (Portulaca) Tj ETQq1 1 0.784314 rgBT /Overlock 3.2 37	3.2	37
8	Integrating Omics and Gene Editing Tools for Rapid Improvement of Traditional Food Plants for Diversified and Sustainable Food Security. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8093.	4.1	33
9	Development and characterization of non-coding RNA based simple sequence repeat markers in Capsicum species. <i>Genomics</i> , 2020, 112, 1554-1564.	2.9	32
10	Identification of genes involved in fruit development/ripening in Capsicum and development of functional markers. <i>Genomics</i> , 2019, 111, 1913-1922.	2.9	31
11	Molecular modeling and simulation studies of recombinant laccase from Yersinia enterocolitica suggests significant role in the biotransformation of non-steroidal anti-inflammatory drugs. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 306-312.	2.1	29
12	Development and linkage mapping of unigene-derived microsatellite markers in Brassica rapa L.. <i>Breeding Science</i> , 2011, 61, 160-167.	1.9	28
13	Development and characterization of new microsatellite markers in Panax ginseng (C.A. Meyer) from BAC end sequences. <i>Conservation Genetics</i> , 2010, 11, 1223-1225.	1.5	26
14	Role of Traditional Ethnobotanical Knowledge and Indigenous Communities in Achieving Sustainable Development Goals. <i>Sustainability</i> , 2021, 13, 3062.	3.2	24
15	Comparative analysis of developmental changes of fruit metabolites, antioxidant activities and mineral elements content in Bhut jolokia and other Capsicum species. <i>LWT - Food Science and Technology</i> , 2019, 105, 363-370.	5.2	23
16	Mapping quantitative trait loci for leaf and heading-related traits in Chinese cabbage (Brassica rapa L.) Tj ETQq0 0 0 rgBT /Overlock 10 T 2.1 22	2.1	22
17	Biotechnological advances on in vitro capsaicinoids biosynthesis in capsicum: a review. <i>Phytochemistry Reviews</i> , 2015, 14, 189-201.	6.5	20
18	Progress and Prospects in Capsicum Breeding for Biotic and Abiotic Stresses. , 2018, , 279-322.		15

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19	Analysis of bioactive components in Ghost chili (<i>Capsicum chinense</i>) for antioxidant, genotoxic, and apoptotic effects in mice. <i>Drug and Chemical Toxicology</i> , 2020, 43, 182-191.	2.3	13
20	Transcriptome profiling, simple sequence repeat markers development and genetic diversity analysis of potential industrial crops <i>Capsicum chinense</i> and <i>C. frutescens</i> of Northeast India. <i>Industrial Crops and Products</i> , 2020, 154, 112687.	5.2	13
21	A high-throughput RNA-Seq approach to elucidate the transcriptional response of <i>Piriformospora indica</i> to high salt stress. <i>Scientific Reports</i> , 2021, 11, 4129.	3.3	13
22	Mapping QTLs of resistance to head splitting in cabbage (<i>Brassica oleracea</i> L.var. <i>capitata</i> L.). <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	11
23	<i>Capsicum chinense</i> MYB Transcription Factor Genes: Identification, Expression Analysis, and Their Conservation and Diversification With Other Solanaceae Genomes. <i>Frontiers in Plant Science</i> , 2021, 12, 721265.	3.6	11
24	Quantitative trait loci mapping of partial resistance to Diamondback moth in cabbage (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	3.6	10
25	Characterizing the Nutrient Composition, Physiological Maturity, and Effect of Cold Storage in Khasi Mandarin (<i>Citrus reticulata</i> Blanco). <i>International Journal of Fruit Science</i> , 2020, 20, 521-540.	2.4	10
26	Single-base cytosine methylation analysis in fruits of three <i>Capsicum</i> species. <i>Genomics</i> , 2020, 112, 3342-3353.	2.9	9
27	MiR1885 Regulates Disease Tolerance Genes in <i>Brassica rapa</i> during Early Infection with <i>Plasmodiophora brassicae</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9433.	4.1	9
28	Identification and expression analysis of phosphate transporter genes and metabolites in response to phosphate stress in <i>Capsicum annuum</i> . <i>Environmental and Experimental Botany</i> , 2021, 190, 104597.	4.2	9
29	Integrated analysis of leaf morphological and color traits in different populations of Chinese cabbage (<i>Brassica rapa</i> ssp. <i>pekinensis</i>). <i>Theoretical and Applied Genetics</i> , 2017, 130, 1617-1634.	3.6	9
30	Improvement of a Traditional Orphan Food Crop, <i>Portulaca oleracea</i> L. (Purslane) Using Genomics for Sustainable Food Security and Climate-Resilient Agriculture. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	8
31	Anatomic Characteristics Associated with Head Splitting in Cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>) Tj ETQq1 1 0.784314 rgBT /Over 2.5	2.5	6
32	A comprehensive update on <i>Capsicum</i> proteomics: Advances and future prospects. <i>Journal of Proteomics</i> , 2022, 261, 104578.	2.4	6
33	ICP-MS based analysis of mineral elements composition during fruit development in <i>Capsicum</i> germplasm. <i>Journal of Food Composition and Analysis</i> , 2021, 101, 103977.	3.9	5
34	Development of EST database and transcriptome analysis in the leaves of <i>Brassica rapa</i> using a newly developed pipeline. <i>Genes and Genomics</i> , 2012, 34, 671-679.	1.4	4
35	Profiling of miRNAs in Bhut Jolokia (<i>Capsicum chinense</i>) and Kon Jolokia (<i>C. frutescens</i>) of Northeast India. <i>Scientia Horticulturae</i> , 2021, 281, 109952.	3.6	4
36	Genetics, Genomics and Breeding of Chili Pepper <i>Capsicum frutescens</i> L. and Other <i>Capsicum</i> Species. , 2021, , 59-86.		3

#	ARTICLE	IF	CITATIONS
37	Reaping the Benefits of Next-generation Sequencing Technologies for Crop Improvement “ Solanaceae. , 0, , .		1
38	Genomic Designing for Breeding Biotic Stress Resistant Pepper Crop. , 2022, , 65-145.		1