# Major Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2513345/publications.pdf

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| 76 | 1,648 | 304743 | 345221 |
|---|---|---|---|
| papers | citations | 22 h-index | 36 g-index |

| 77 | 77 | 77 | 1737 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pyramiding <scp>T</scp>yâ€2 and <scp>T</scp>yâ€3 genes for resistance to monopartite and bipartite tomato leaf curl viruses of <scp>I</scp>ndia. Plant Pathology, 2015, 64, 256-264. | 2.4 | 95 |
| 2 | Effect of water withdrawal on formation of free radical, proline accumulation and activities of antioxidant enzymes in ZAT12-transformed transgenic tomato plants. Plant Physiology and Biochemistry, 2012, 61, 108-114. | 5.8 | 81 |
| 3 | Expression of rd29A::AtDREB1A/CBF3 in tomato alleviates drought-induced oxidative stress by regulating key enzymatic and non-enzymatic antioxidants. Plant Physiology and Biochemistry, 2013, 69, 90-100. | 5.8 | 81 |
| 4 | Genome wide expression analysis of WRKY genes in tomato (Solanum lycopersicum) under drought stress. Plant Gene, 2018, 13, 8-17. | 2.3 | 69 |
| 5 | Tomato cultivar tolerant to Tomato leaf curl New Delhi virus infection induces virusâ€specific short interfering RNA accumulation and defenceâ€associated host gene expression. Molecular Plant Pathology, 2010, 11, 531-544. | 4.2 | 63 |
| 6 | Transcription factors in abiotic stress tolerance. Indian Journal of Plant Physiology, 2014, 19, 306-316. | 0.8 | 60 |
| 7 | Virulence and genotypic characterization of Listeria monocytogenes isolated from vegetable and soil samples. BMC Microbiology, 2014, 14, 241. | 3.3 | 58 |
| 8 | Engineering drought tolerant tomato plants over-expressing BcZAT12 gene encoding a C2H2 zinc finger transcription factor. Phytochemistry, 2013, 85, 44-50. | 2.9 | 57 |
| 9 | Transgenic tomatoes for abiotic stress tolerance: status and way ahead. 3 Biotech, 2019, 9, 143. | 2.2 | 56 |
| 10 | Identification of host plant resistance to pepper leaf curl virus in chilli (Capsicum species). Scientia Horticulturae, 2006, 110, 359-361. | 3.6 | 50 |
| 11 | Inheritance of Gynoecism in Bitter Gourd (Momordica charantia L.). Journal of Heredity, 2006, 97, 294-295. | 2.4 | 46 |
| 12 | Genetic diversity in Capsicum germplasm based on microsatellite and random amplified microsatellite polymorphism markers. Physiology and Molecular Biology of Plants, 2013, 19, 575-586. | 3.1 | 45 |
| 13 | Effects of explant age, germination medium, pre-culture parameters, inoculation medium, pH, washing medium, and selection regime on Agrobacterium-mediated transformation of tomato. In Vitro Cellular and Developmental Biology - Plant, 2012, 48, 565-578. | 2.1 | 44 |
| 14 | Monogenic recessive resistance to Pepper leaf curl virus in an interspecific cross of Capsicum. Scientia Horticulturae, 2014, 172, 34-38. | 3.6 | 34 |
| 15 | The population genomics of begomoviruses: global scale population structure and gene flow. Virology Journal, 2010, 7, 220. | 3.4 | 33 |
| 16 | Molecular Characterization of Tomato leaf curl Palampur virus and Pepper leaf curl betasatellite Naturally Infecting Pumpkin (Cucurbita moschata) in India. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2010, 21, 128-132. | 0.7 | 32 |
| 17 | Genetics and distribution of fertility restoration associated RAPD markers in inbreds of pepper (Capsicum annuum L.). Scientia Horticulturae, 2007, 111, 197-202. | 3.6 | 30 |
| 18 | Changes in Actinomycetes community structure under the influence of Bttransgenic brinjal crop in a tropical agroecosystem. BMC Microbiology, 2013, 13, 122. | 3.3 | 29 |

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|---|---|---|---|
| 19 | Effect of heat-shock induced oxidative stress is suppressed in BcZAT12 expressing drought tolerant tomato. Phytochemistry, 2013, 95, 109-117. | 2.9 | 29 |
| 20 | Shoot initiation and multiplication from a mature tree of Terminalia arjuna roxb. In Vitro Cellular and Developmental Biology - Plant, 2006, 42, 389-393. | 2.1 | 27 |
| 21 | Genetic diversity in Indian ash gourd (Benincasa hispida) accessions as revealed by quantitative traits and RAPD markers. Scientia Horticulturae, 2008, 118, 80-86. | 3.6 | 27 |
| 22 | Thidiazuron-induced Shoot Multiplication and Plant Regeneration in Bamboo (Dendrocalamus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 | 1.7 | 23 |
| 23 | Development and bioassay ofCry1Ac-transgenic eggplant (Solanum melongenaL.) resistant to shoot and fruit borer. Journal of Horticultural Science and Biotechnology, 2009, 84, 434-438. | 1.9 | 22 |
| 24 | Genetic diversity in Indian cucumber based on microsatellite and morphological markers. Biochemical Systematics and Ecology, 2013, 51, 19-27. | 1.3 | 22 |
| 25 | QTL mapping for important horticultural traits in pepper (Capsicum annuum L.). Journal of Plant Biochemistry and Biotechnology, 2015, 24, 154-160. | 1.7 | 21 |
| 26 | Regeneration of soapnut tree through somatic embryogenesis and assessment of genetic fidelity through ISSR and RAPD markers. Physiology and Molecular Biology of Plants, 2016, 22, 381-389. | 3.1 | 21 |
| 27 | Impact of land use change on soil aggregate dynamics in the dry tropics. Restoration Ecology, 2017, 25, 962-971. | 2.9 | 21 |
| 28 | Changes in methanotrophic community composition after rice crop harvest in tropical soils. Biology and Fertility of Soils, 2010, 46, 471-479. | 4.3 | 20 |
| 29 | Detection of tomato leaf curl virus resistance and inheritance in tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3 | 1.3 | 20 |
| 30 | Rhizospheric fungal community structure of aBtbrinjal and a near isogenic variety. Journal of Applied Microbiology, 2014, 117, 750-765. | 3.1 | 19 |
| 31 | De Novo Assembly of Bitter Gourd Transcriptomes: Gene Expression and Sequence Variations in Gynoecious and Monoecious Lines. PLoS ONE, 2015, 10, e0128331. | 2.5 | 19 |
| 32 | Bacterial Community Structure in the Rhizosphere of a Cry1Ac Bt-Brinjal Crop and Comparison to Its Non-transgenic Counterpart in the Tropical Soil. Microbial Ecology, 2013, 66, 927-939. | 2.8 | 18 |
| 33 | Marker assisted gene pyramiding for enhanced Tomato leaf curl virus disease resistance in tomato cultivars. Biologia Plantarum, 2014, 58, 792-797. | 1.9 | 18 |
| 34 | Proline-Rich Proteins May Regulate Free Cellular Proline Levels during Drought Stress in Tomato. Current Science, 2018, 114, 915. | 0.8 | 18 |
| 35 | Validation of SCAR markers, diversity analysis of male sterile (S-) cytoplasms and isolation of an alloplasmic S-cytoplasm in Capsicum. Scientia Horticulturae, 2009, 120, 167-172. | 3.6 | 17 |
| 36 | Variation in soil microbial biomass in the dry tropics: impact of land-use change. Soil Research, 2014, 52, 299. | 1.1 | 16 |

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|---|---|---|---|
| 37 | In vitro propagation of spine gourd (Momordica dioica Roxb.) and assessment of genetic fidelity of micropropagated plants using RAPD analysis. Physiology and Molecular Biology of Plants, 2012, 18, 273-280. | 3.1 | 15 |
| 38 | Soil CO2â€“C flux and carbon storage in the dry tropics: Impact of land-use change involving bioenergy crop plantation. Biomass and Bioenergy, 2015, 83, 123-130. | 5.7 | 15 |
| 39 | In vitro selection of NaCl-tolerant callus lines and regeneration of plantlets in a bamboo (Dendrocalamus strictus Nees). In Vitro Cellular and Developmental Biology - Plant, 2003, 39, 229-233. | 2.1 | 14 |
| 40 | Protein modeling and molecular dynamics simulation of SlWRKY4 protein cloned from drought tolerant tomato (Solanum habrochaites) line EC520061. Journal of Molecular Modeling, 2015, 21, 255. | 1.8 | 14 |
| 41 | Co-overexpression of AtDREB1A and BcZAT12 increases drought tolerance and fruit production in double transgenic tomato (Solanum lycopersicum) plants. Environmental and Experimental Botany, 2021, 184, 104396. | 4.2 | 14 |
| 42 | Mixed infections of begomoviruses in pumpkins with yellow vein mosaic disease in north India. Archives of Phytopathology and Plant Protection, 2012, 45, 938-941. | 1.3 | 13 |
| 43 | Shoot and fruit borer resistant transgenic eggplant (Solanum melongena L.) expressing cry1Aa3 gene: Development and bioassay. Crop Protection, 2013, 53, 37-45. | 2.1 | 13 |
| 44 | Possible role of endothelin receptor against hyperhomocysteinemia and Î²-amyloid induced AD type of vascular dementia in rats. Brain Research Bulletin, 2017, 133, 31-41. | 3.0 | 13 |
| 45 | A Review on Molecular Characterization of Pepper for Capsaicin and Oleoresin. International Journal of Plant Breeding and Genetics, 2011, 5, 99-110. | 0.3 | 13 |
| 46 | Genetic analysis to identify good combiners for ToLCV resistance and yield components in tomato using interspecific hybridization. Journal of Genetics, 2014, 93, 623-629. | 0.7 | 12 |
| 47 | Selection of tomato genotypes resistant to tomato leaf curl virus disease using biochemical and physiological markers. Journal of Agricultural Science, 2015, 153, 646-655. | 1.3 | 12 |
| 48 | Overexpression of AtDREB1 and BcZAT12 genes confers drought tolerance by reducing oxidative stress in double transgenic tomato (Solanum lycopersicum L.). Plant Cell Reports, 2021, 40, 2173-2190. | 5.6 | 12 |
| 49 | Expression of ZAT12 transcripts in transgenic tomato under various abiotic stresses and modeling of ZAT12 protein in silico. BioMetals, 2014, 27, 1231-1247. | 4.1 | 11 |
| 50 | Microbial Biomass Dynamics in a Tropical Agroecosystem: Influence of Herbicide and Soil Amendments. Pedosphere, 2016, 26, 257-264. | 4.0 | 11 |
| 51 | TDZ-induced plant regeneration in Brassica oleracea L. var. botrytis: effect of antioxidative enzyme activity and genetic stability in regenerated plantlets. In Vitro Cellular and Developmental Biology - Plant, 2017, 53, 598-605. | 2.1 | 11 |
| 52 | Bioactive compounds of tomato fruits from transgenic plants tolerant to drought. LWT - Food Science and Technology, 2015, 61, 609-614. | 5.2 | 10 |
| 53 | Gene expression analysis of Solanum lycopersicum and Solanum habrochaites under drought conditions. Genomics Data, 2016, 9, 40-41. | 1.3 | 10 |
| 54 | Assessment of Molecular Diversity in Chickpea (Cicer arietinum L.) Rhizobia and Structural Analysis of 16S rDNA Sequences from Mesorhizobium ciceri. Polish Journal of Microbiology, 2013, 62, 253-262. | 1.7 | 9 |

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| 55 | Ex Situ Conservation of Phyllanthus fraternus Webster and Evaluation of Genetic Fidelity in Regenerates Using DNA-Based Molecular Marker. Applied Biochemistry and Biotechnology, 2014, 174, 2195-2208. | 2.9 | 8 |
| 56 | Impact of Climate Change on Vegetable Production and Adaptation Measures. , 2017, , 413-428. | | 8 |
| 57 | Microarray analyses during early stage of the tomato/ Alternaria solani interaction. Genomics Data, 2015, 6, 170-172. | 1.3 | 7 |
| 58 | Identification of transcription factors in tomato, potentially related to early blight resistance at invasion in host tissue, using microarray expression profiling. South African Journal of Botany, 2016, 106, 165-173. | 2.5 | 7 |
| 59 | Effect of gamma radiations on the crossability of wheat, triticale and rye and on meiosis, pollen grain germination and pollen tube growth.. Cytologia, 1988, 53, 123-130. | 0.6 | 6 |
| 60 | The Southeastern Asian house mouse (Mus musculus castaneus Linn.) as a new passenger host for Cryptococcus neoformans var. grubii molecular type VNI. Medical Mycology, 2017, 55, 820-827. | 0.7 | 6 |
| 61 | Screening of Tomato Genotypes Against Root-Knot Nematode and Validation of Mi 1 Gene Linked Markers. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 65-72. | 1.0 | 6 |
| 62 | Monitoring the genetic fidelity of micropropagated plantlets ofSpondias mangiferaWilld. using RAPD marker assays. Journal of Horticultural Science and Biotechnology, 2012, 87, 451-454. | 1.9 | 5 |
| 63 | Micropropagation of Phyllanthus fraternus Webster (Euphorbiaceae) from field-derived shoot tip explant and assessment of its genetic fidelity. Revista Brasileira De Botanica, 2015, 38, 517-525. | 1.3 | 4 |
| 64 | Genetic and molecular characterisations ofTomato leaf curl virusresistance in tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 | 1.9 | 4 |
| 65 | Microarray analyses for identifying genes conferring resistance to pepper leaf curl virus in chilli pepper ( Capsicum spp.). Genomics Data, 2016, 9, 140-142. | 1.3 | 4 |
| 66 | Impact of Leguminous Biomulching on Soil Properties, Leaf Yield and Cocoon Productivity of Tropical Tasarculture under Rain-Fed Conditions. Journal of Entomology, 2010, 7, 219-226. | 0.2 | 4 |
| 67 | Rhizosphere soil microbiomes: As driver of agriculture commodity and industrial application. , 2021, , 183-195. | | 3 |
| 68 | Engineered BcZAT12 gene mitigates salt stress in tomato seedlings. Physiology and Molecular Biology of Plants, 2021, 27, 535-541. | 3.1 | 3 |
| 69 | De novo assembly, differential gene expression and pathway analyses for anthracnose resistance in chilli (Capsicum annuum L.). Journal of Plant Biochemistry and Biotechnology, 0, , 1. | 1.7 | 3 |
| 70 | Assessment of factors on shoot proliferation potential of nodal explants of Phyllanthus fraternus and assessment of genetic fidelity of micropropagated plants using RAPD marker. Biologia (Poland), 2014, 69, 1685-1692. | 1.5 | 2 |
| 71 | Development of an embryo germination protocol for shy-seeded grape (Vitis vinifera L.). Plant Genetic Resources: Characterisation and Utilisation, 2021, 19, 252-260. | 0.8 | 2 |
| 72 | Entomopathogenic Microbes for Sustainable Crop Protection: Future Perspectives. Environmental and Microbial Biotechnology, 2021, , 469-497. | 0.7 | 2 |

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|---|---|---|---|
| 73 | Adaptation Options for Sustainable Production of Cucurbitaceous Vegetable Under Climate Change Situation. , 2013, , 137-146. | | 1 |
| 74 | Fault tolerant application execution model in computing grid. , 2010, , . | | 0 |
| 75 | Embryo rescue: A potential tool for improvement of economically important crops. , 2022, , 259-282. | | 0 |
| 76 | Meristem culture: A potential technique for in vitro virus-free plants production in vegetatively propagated crops. , 2022, , 325-343. | | 0 |