# Rupesh K Deshmukh

List of Publications by Year
in descending order



| 129 | 6,444 | 61945 43 | 79644 73 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 145 | 145 | 145 | 5462 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Speed Breeding Opportunities and Challenges for Crop Improvement. Journal of Plant Growth Regulation, 2023, 42, 46-59. | 2.8 | 9 |
| 2 | Unexplored nutritive potential of tomato to combat global malnutrition. Critical Reviews in Food Science and Nutrition, 2022, 62, 1003-1034. | 5.4 | 34 |
| 3 | Metalloids in plants: A systematic discussion beyond description. Annals of Applied Biology, 2022, 180, 7-25. | 1.3 | 5 |
| 4 | Random mutagenesis in vegetatively propagated crops: opportunities, challenges and genome editing prospects. Molecular Biology Reports, 2022, 49, 5729-5749. | 1.0 | 7 |
| 5 | Outstanding Questions on the Beneficial Role of Silicon in Crop Plants. Plant and Cell Physiology, 2022, 63, 4-18. | 1.5 | 29 |
| 6 | Understanding aquaporin regulation defining silicon uptake and role in arsenic, antimony and germanium stress in pigeonpea (Cajanus cajan). Environmental Pollution, 2022, 294, 118606. | 3.7 | 11 |
| 7 | Understanding the role of SWEET genes in fruit development and abiotic stress in pomegranate (Punica granatum L.). Molecular Biology Reports, 2022, 49, 1329-1339. | 1.0 | 6 |
| 8 | Nanoparticles as a potential protective agent for arsenic toxicity alleviation in plants. Environmental Pollution, 2022, 300, 118887. | 3.7 | 23 |
| 9 | Recent biotechnological avenues in crop improvement and stress management. Journal of Biotechnology, 2022, 349, 21-24. | 1.9 | 1 |
| 10 | Deciphering Haplotypic Variation and Gene Expression Dynamics Associated with Nutritional and Cooking Quality in Rice. Cells, 2022, 11, 1144. | 1.8 | 1 |
| 11 | Sugar transporters and their molecular tradeoffs during abiotic stress responses in plants. Physiologia Plantarum, 2022, 174, e13652. | 2.6 | 31 |
| 12 | Seed priming with melatonin: A promising approach to combat abiotic stress in plants. Plant Stress, 2022, 4, 100071. | 2.7 | 25 |
| 13 | Genomic Insights into Omega-3 Polyunsaturated Fatty Acid Producing Shewanella sp. N2AIL from Fish Gut. Biology, 2022, 11, 632. | 1.3 | 4 |
| 14 | Understanding the Dynamics of Blast Resistance in Rice-Magnaporthe oryzae Interactions. Journal of Fungi (Basel, Switzerland), 2022, 8, 584. | 1.5 | 32 |
| 15 | Silicon nanoforms in crop improvement and stress management. Chemosphere, 2022, 305, 135165. | 4.2 | 25 |
| 16 | Opportunity and challenges for nanotechnology application for genome editing in plants. , 2022, 1, 100001. |  | 15 |
| 17 | Priming-mediated abiotic stress management in plants: Recent avenues and future directions. Plant Stress, 2022, 5, 100097. | 2.7 | 2 |
| 18 | Ensuring Global Food Security by Improving Protein Content in Major Grain Legumes Using Breeding and â€˜Omicsâ€™ Tools. International Journal of Molecular Sciences, 2022, 23, 7710. | 1.8 | 9 |

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|---|---|---|---|
| 19 | Dissecting the nutrient partitioning mechanism in rice grain using spatially resolved gene expression profiling. Journal of Experimental Botany, 2021, 72, 2212-2230. | 2.4 | 13 |
| 20 | Understanding aquaporin transport system, silicon and other metalloids uptake and deposition in bottle gourd (Lagenaria siceraria). Journal of Hazardous Materials, 2021, 409, 124598. | 6.5 | 13 |
| 21 | Transcription factors as key molecular target to strengthen the drought stress tolerance in plants. Physiologia Plantarum, 2021, 172, 847-868. | 2.6 | 131 |
| 22 | Silicon crosstalk with reactive oxygen species, phytohormones and other signaling molecules. Journal of Hazardous Materials, 2021, 408, 124820. | 6.5 | 55 |
| 23 | Soybean transporter database: A comprehensive database for identification and exploration of natural variants in soybean transporter genes. Physiologia Plantarum, 2021, 171, 756-770. | 2.6 | 12 |
| 24 | Targeting aquaporins to alleviate hazardous metal(loid)s imposed stress in plants. Journal of Hazardous Materials, 2021, 408, 124910. | 6.5 | 22 |
| 25 | Silicon nanoparticles (SiNPs) in sustainable agriculture: major emphasis on the practicality, efficacy and concerns. Nanoscale Advances, 2021, 3, 4019-4028. | 2.2 | 50 |
| 26 | Computational tools and approaches for aquaporin (AQP) research. , 2021, , 1-32. |  | 0 |
| 27 | Histochemical Techniques in Plant Science: More Than Meets the Eye. Plant and Cell Physiology, 2021, 62, 1509-1527. | 1.5 | 7 |
| 28 | Significance of solute specificity, expression, and gating mechanism of tonoplast intrinsic protein during development and stress response in plants. Physiologia Plantarum, 2021, 172, 258-274. | 2.6 | 22 |
| 29 | Dynamic role of aquaporin transport system under drought stress in plants. Environmental and Experimental Botany, 2021, 184, 104367. | 2.0 | 24 |
| 30 | Aluminum toxicity and aluminum stress-induced physiological tolerance responses in higher plants. Critical Reviews in Biotechnology, 2021, 41, 715-730. | 5.1 | 73 |
| 31 | Fascinating role of silicon to combat salinity stress in plants: An updated overview. Plant Physiology and Biochemistry, 2021, 162, 110-123. | 2.8 | 70 |
| 32 | Characterization of influx and efflux silicon transporters and understanding their role in the osmotic stress tolerance in finger millet (Eleusine coracana (L.) Gaertn.). Plant Physiology and Biochemistry, 2021, 162, 677-689. | 2.8 | 11 |
| 33 | Identification and molecular characterization of rice bran-specific lipases. Plant Cell Reports, 2021, 40, 1215-1228. | 2.8 | 8 |
| 34 | Reference gene identification for gene expression analysis in rice under different metal stress. Journal of Biotechnology, 2021, 332, 83-93. | 1.9 | 11 |
| 35 | Decoding the genome of superior chapatti quality Indian wheat variety â€˜C 306â€™ unravelled novel genomic variants for chapatti and nutrition quality related genes. Genomics, 2021, 113, 1919-1929. | 1.3 | 5 |
| 36 | Lsi2: A black box in plant silicon transport. Plant and Soil, 2021, 466, 1-20. | 1.8 | 22 |

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|---|---|---|---|
| 37 | Genome-Wide Analysis of Four Pathotypes of Wheat Rust Pathogen (Puccinia graminis) Reveals Structural Variations and Diversifying Selection. Journal of Fungi (Basel, Switzerland), 2021, 7, 701. | 1.5 | 2 |
| 38 | Overexpression of EcDREB2A transcription factor from finger millet in tobacco enhances tolerance to heat stress through ROS scavenging. Journal of Biotechnology, 2021, 336, 10-24. | 1.9 | 17 |
| 39 | Omics advances and integrative approaches for the simultaneous improvement of seed oil and protein content in soybean (<i>Glycine max</i>L.). Critical Reviews in Plant Sciences, 2021, 40, 398-421. | 2.7 | 17 |
| 40 | Versatile role of silicon in cereals: Health benefits, uptake mechanism, and evolution. Plant Physiology and Biochemistry, 2021, 165, 173-186. | 2.8 | 10 |
| 41 | Silicon nutrition stimulates Salt-Overly Sensitive (SOS) pathway to enhance salinity stress tolerance and yield in rice. Plant Physiology and Biochemistry, 2021, 166, 593-604. | 2.8 | 24 |
| 42 | Role of silicon under contrasting biotic and abiotic stress conditions provides benefits for climate smart cropping. Environmental and Experimental Botany, 2021, 189, 104545. | 2.0 | 27 |
| 43 | Exploration of silicate solubilizing bacteria for sustainable agriculture and silicon biogeochemical cycle. Plant Physiology and Biochemistry, 2021, 166, 827-838. | 2.8 | 36 |
| 44 | Identification of aquaporins and deciphering their role under salinity stress in pomegranate (Punica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.9 | 5 |
| 45 | Nitric oxide and hydrogen sulfide crosstalk during heavy metal stress in plants. Physiologia Plantarum, 2020, 168, 437-455. | 2.6 | 94 |
| 46 | Applications and challenges for efficient exploration of omics interventions for the enhancement of nutritional quality in rice (<i>Oryza sativa</i>L.). Critical Reviews in Food Science and Nutrition, 2020, 60, 3304-3320. | 5.4 | 29 |
| 47 | Tweaking genome-editing approaches for virus interference in crop plants. Plant Physiology and Biochemistry, 2020, 147, 242-250. | 2.8 | 34 |
| 48 | Integrated QTL mapping, gene expression and nucleotide variation analyses to investigate complex quantitative traits: a case study with the soybeanâ€“<i>Phytophthora sojae</i> interaction. Plant Biotechnology Journal, 2020, 18, 1492-1494. | 4.1 | 18 |
| 49 | Effector Biology of Biotrophic Plant Fungal Pathogens: Current Advances and Future Prospects. Microbiological Research, 2020, 241, 126567. | 2.5 | 46 |
| 50 | Understanding aquaporin transport system in highly stress-tolerant and medicinal plant species Jujube (Ziziphus jujuba Mill.). Journal of Biotechnology, 2020, 324, 103-111. | 1.9 | 11 |
| 51 | Evolutionary Understanding of Aquaporin Transport System in the Basal Eudicot Model Species Aquilegia coerulea. Plants, 2020, 9, 799. | 1.6 | 9 |
| 52 | Evolutionary Understanding of Metacaspase Genes in Cultivated and Wild Oryza Species and Its Role in Disease Resistance Mechanism in Rice. Genes, 2020, 11, 1412. | 1.0 | 4 |
| 53 | Harnessing High-throughput Phenotyping and Genotyping for Enhanced Drought Tolerance in Crop Plants. Journal of Biotechnology, 2020, 324, 248-260. | 1.9 | 32 |
| 54 | New evidence defining the evolutionary path of aquaporins regulating silicon uptake in land plants. Journal of Experimental Botany, 2020, 71, 6775-6788. | 2.4 | 78 |

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|---|---|---|---|
| 55 | Genome Editing in Cereals: Approaches, Applications and Challenges. International Journal of Molecular Sciences, 2020, 21, 4040. | 1.8 | 82 |
| 56 | Spatio-temporal distribution of micronutrients in rice grains and its regulation. Critical Reviews in Biotechnology, 2020, 40, 490-507. | 5.1 | 14 |
| 57 | Significance of silicon uptake, transport, and deposition in plants. Journal of Experimental Botany, 2020, 71, 6703-6718. | 2.4 | 126 |
| 58 | Versatile roles of aquaporin in physiological processes and stress tolerance in plants. Plant Physiology and Biochemistry, 2020, 149, 178-189. | 2.8 | 76 |
| 59 | Whole Genome Re-sequencing of Soybean Accession EC241780 Providing Genomic Landscape of Candidate Genes Involved in Rust Resistance. Current Genomics, 2020, 21, 504-511. | 0.7 | 8 |
| 60 | Global Perspectives on Agriculture: Food Security and Nutrition. , 2020, , 1-27. | | 0 |
| 61 | The controversies of silicon's role in plant biology. New Phytologist, 2019, 221, 67-85. | 3.5 | 439 |
| 62 | Si permeability of a deficient Lsi1 aquaporin in tobacco can be enhanced through a conserved residue substitution. Plant Direct, 2019, 3, e00163. | 0.8 | 16 |
| 63 | Avenues of the membrane transport system in adaptation of plants to abiotic stresses. Critical Reviews in Biotechnology, 2019, 39, 861-883. | 5.1 | 53 |
| 64 | Understanding the Role of the WRKY Gene Family under Stress Conditions in Pigeonpea (Cajanus Cajan) Tj ETQq0 0 0 rgBT /Overlock 10 | 1.6 | 20 |
| 65 | Genome Editing in Plants: Exploration of Technological Advancements and Challenges. Cells, 2019, 8, 1386. | 1.8 | 115 |
| 66 | Mutagenesis Approaches and Their Role in Crop Improvement. Plants, 2019, 8, 467. | 1.6 | 42 |
| 67 | Understanding the Effect of Structural Diversity in WRKY Transcription Factors on DNA Binding Efficiency through Molecular Dynamics Simulation. Biology, 2019, 8, 83. | 1.3 | 8 |
| 68 | Silicon Uptake and Localisation in Date Palm (Phoenix dactylifera) â€" A Unique Association With Sclerenchyma. Frontiers in Plant Science, 2019, 10, 988. | 1.7 | 37 |
| 69 | Blast resistance in Indian rice landraces: Genetic dissection by gene specific markers. PLoS ONE, 2019, 14, e0211061. | 1.1 | 33 |
| 70 | Expanding Avenue of Fast Neutron Mediated Mutagenesis for Crop Improvement. Plants, 2019, 8, 164. | 1.6 | 37 |
| 71 | Molecular characterization and expression dynamics of MTP genes under various spatio-temporal stages and metal stress conditions in rice. PLoS ONE, 2019, 14, e0217360. | 1.1 | 34 |
| 72 | Identification of the aquaporin gene family in Cannabis sativa and evidence for the accumulation of silicon in its tissues. Plant Science, 2019, 287, 110167. | 1.7 | 41 |

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|---|---|---|---|
| 73 | Mutation Breeding in Tomato: Advances, Applicability and Challenges. Plants, 2019, 8, 128. | 1.6 | 65 |
| 74 | Identification and characterization of aquaporin genes in Arachis duranensis and Arachis ipaensis genomes, the diploid progenitors of peanut. BMC Genomics, 2019, 20, 222. | 1.2 | 31 |
| 75 | Role of Silicon in Mitigation of Heavy Metal Stresses in Crop Plants. Plants, 2019, 8, 71. | 1.6 | 256 |
| 76 | In defence of the selective transport and role of silicon in plants. New Phytologist, 2019, 223, 514-516. | 3.5 | 9 |
| 77 | Role of silicon in plant stress tolerance: opportunities to achieve a sustainable cropping system. 3 Biotech, 2019, 9, 73. | 1.1 | 156 |
| 78 | Revisiting the role of ROS and RNS in plants under changing environment. Environmental and Experimental Botany, 2019, 161, 1-3. | 2.0 | 136 |
| 79 | Assessment of genetic diversity and population structure of Magnaporthe oryzae causing rice blast disease using SSR markers. Physiological and Molecular Plant Pathology, 2019, 106, 157-165. | 1.3 | 16 |
| 80 | Approaches, Applicability, and Challenges for Development of Climate-Smart Soybean. , 2019, , 1-74. | | 7 |
| 81 | Progress Toward Development of Climate-Smart Flax: A Perspective on Omics-Assisted Breeding. , 2019, , 239-274. | | 10 |
| 82 | Advances in Omics Approaches for Abiotic Stress Tolerance in Tomato. Biology, 2019, 8, 90. | 1.3 | 68 |
| 83 | Metabolomics: An Emerging Technology for Soybean Improvement. Ecoproduction, 2019, , 175-186. | 0.8 | 6 |
| 84 | Targeting Transcription Factors for Plant Disease Resistance:Shifting Paradigm. Current Science, 2019, 117, 1598. | 0.4 | 11 |
| 85 | A genome-wide resource of intron spanning primers compatible for quantitative PCR and intron length polymorphism in rice. Indian Journal of Genetics and Plant Breeding, 2019, 79, . | 0.2 | 0 |
| 86 | Dissecting genomic hotspots underlying seed protein, oil, and sucrose content in an interspecific mapping population of soybean using highâ€density linkage mapping. Plant Biotechnology Journal, 2018, 16, 1939-1953. | 4.1 | 93 |
| 87 | Highâ€density genetic map using wholeâ€genome resequencing for fine mapping and candidate gene discovery for disease resistance in peanut. Plant Biotechnology Journal, 2018, 16, 1954-1967. | 4.1 | 90 |
| 88 | Genomic Resources and Omics-Assisted Breeding Approaches for Pulse Crop Improvement. , 2018, , 13-55. | | 3 |
| 89 | Whole Genome Characterization of a Few EMS-Induced Mutants of Upland Rice Variety Nagina 22 Reveals a Staggeringly High Frequency of SNPs Which Show High Phenotypic Plasticity Towards the Wild-Type. Frontiers in Plant Science, 2018, 9, 1179. | 1.7 | 40 |
| 90 | Silicon protects soybean plants against Phytophthora sojae by interfering with effector-receptor expression. BMC Plant Biology, 2018, 18, 97. | 1.6 | 80 |

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|---|---|---|---|
| 91 | Aquaporins as potential drought tolerance inducing proteins: Towards instigating stress tolerance. Journal of Proteomics, 2017, 169, 233-238. | 1.2 | 92 |
| 92 | Genome-wide identification, characterization, and expression profile of aquaporin gene family in flax (Linum usitatissimum). Scientific Reports, 2017, 7, 46137. | 1.6 | 82 |
| 93 | Identification of a mammalian silicon transporter. American Journal of Physiology - Cell Physiology, 2017, 312, C550-C561. | 2.1 | 45 |
| 94 | Analysis of aquaporins in Brassicaceae species reveals high-level of conservation and dynamic role against biotic and abiotic stress in canola. Scientific Reports, 2017, 7, 2771. | 1.6 | 84 |
| 95 | Silicon Transporters and Effects of Silicon Amendments in Strawberry under High Tunnel and Field Conditions. Frontiers in Plant Science, 2017, 8, 949. | 1.7 | 64 |
| 96 | Understanding Aquaporin Transport System in Eelgrass (Zostera marina L.), an Aquatic Plant Species. Frontiers in Plant Science, 2017, 8, 1334. | 1.7 | 23 |
| 97 | Editorial: Aquaporins: Dynamic Role and Regulation. Frontiers in Plant Science, 2017, 8, 1420. | 1.7 | 28 |
| 98 | Editorial: Role of Silicon in Plants. Frontiers in Plant Science, 2017, 8, 1858. | 1.7 | 74 |
| 99 | Molecular and Morpho-Agronomical Characterization of Root Architecture at Seedling and Reproductive Stages for Drought Tolerance in Wheat. PLoS ONE, 2016, 11, e0156528. | 1.1 | 25 |
| 100 | Computational Prediction of Effector Proteins in Fungi: Opportunities and Challenges. Frontiers in Plant Science, 2016, 7, 126. | 1.7 | 118 |
| 101 | Identification and Comparative Analysis of Differential Gene Expression in Soybean Leaf Tissue under Drought and Flooding Stress Revealed by RNA-Seq. Frontiers in Plant Science, 2016, 7, 1044. | 1.7 | 116 |
| 102 | Soybean TIP Gene Family Analysis and Characterization of GmTIP1;5 and GmTIP2;5 Water Transport Activity. Frontiers in Plant Science, 2016, 7, 1564. | 1.7 | 30 |
| 103 | Comparative Transcriptomic Analysis of Virulence Factors in Leptosphaeria maculans during Compatible and Incompatible Interactions with Canola. Frontiers in Plant Science, 2016, 7, 1784. | 1.7 | 60 |
| 104 | Plant Aquaporins: Genome-Wide Identification, Transcriptomics, Proteomics, and Advanced Analytical Tools. Frontiers in Plant Science, 2016, 7, 1896. | 1.7 | 76 |
| 105 | Identification and characterization of silicon efflux transporters in horsetail (Equisetum arvense). Journal of Plant Physiology, 2016, 200, 82-89. | 1.6 | 73 |
| 106 | Intron gain, a dominant evolutionary process supporting high levels of gene expression in rice. Journal of Plant Biochemistry and Biotechnology, 2016, 25, 142-146. | 0.9 | 27 |
| 107 | Genomic-assisted phylogenetic analysis and marker development for next generation soybean cyst nematode resistance breeding. Plant Science, 2016, 242, 342-350. | 1.7 | 78 |
| 108 | Molecular evolution of aquaporins and silicon influx in plants. Functional Ecology, 2016, 30, 1277-1285. | 1.7 | 149 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Genome-wide identification and characterization of Xylanase Inhibitor Protein (XIP) genes in cereals. Indian Journal of Genetics and Plant Breeding, 2016, 76, 159. | 0.2 | 7 |
| 110 | A precise spacing between the <scp>NPA</scp> domains of aquaporins is essential for silicon permeability in plants. Plant Journal, 2015, 83, 489-500. | 2.8 | 191 |
| 111 | Identification of Novel QTL Governing Root Architectural Traits in an Interspecific Soybean Population. PLoS ONE, 2015, 10, e0120490. | 1.1 | 75 |
| 112 | Expanding Omics Resources for Improvement of Soybean Seed Composition Traits. Frontiers in Plant Science, 2015, 6, 1021. | 1.7 | 105 |
| 113 | Soybean (Glycine max) SWEET gene family: insights through comparative genomics, transcriptome profiling and whole genome re-sequence analysis. BMC Genomics, 2015, 16, 520. | 1.2 | 173 |
| 114 | Genetic architecture of cyst nematode resistance revealed by genome-wide association study in soybean. BMC Genomics, 2015, 16, 593. | 1.2 | 111 |
| 115 | Development of chloroplastâ€specific microsatellite markers for molecular characterization of alloplasmic lines and phylogenetic analysis in wheat. Plant Breeding, 2014, 133, 12-18. | 1.0 | 20 |
| 116 | Integrating omic approaches for abiotic stress tolerance in soybean. Frontiers in Plant Science, 2014, 5, 244. | 1.7 | 213 |
| 117 | Identification and functional characterization of silicon transporters in soybean using comparative genomics of major intrinsic proteins in Arabidopsis and rice. Plant Molecular Biology, 2013, 83, 303-315. | 2.0 | 233 |
| 118 | Diversity Analysis of Bacillus thuringiensis Isolates Recovered from Diverse Habitats in India using Random Amplified Polymorphic DNA (RAPD) Markers. Journal of Biological Sciences, 2013, 13, 514-520. | 0.1 | 4 |
| 119 | Molecular mapping of the downy mildew resistance gene<i>Ppa3</i>in cauliflower (<i>Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10 137-143. | 0.9 | 19 |
| 120 | Molecular mapping of quantitative trait loci for flag leaf length and other agronomic traits in rice<i>(Oryza sativa)</i>. Cereal Research Communications, 2012, 40, 362-372. | 0.8 | 11 |
| 121 | Molecular typing of native <i>Bacillus thuringiensis</i> isolates from diverse habitats in India using REP-PCR and ERIC-PCR analysis. Journal of General and Applied Microbiology, 2012, 58, 83-94. | 0.4 | 16 |
| 122 | Cyclooxygenase Inhibitory, Cytotoxicity and Free Radical Scavenging Activities of Selected Medicinal Plants Used in Indian Traditional Medicine. Pharmacognosy Journal, 2011, 3, 57-64. | 0.3 | 19 |
| 123 | Genome-Wide Distribution and Organization of Microsatellites in Plants: An Insight into Marker Development in Brachypodium. PLoS ONE, 2011, 6, e21298. | 1.1 | 184 |
| 124 | Genomic resources in horticultural crops: Status, utility and challenges. Biotechnology Advances, 2011, 29, 199-209. | 6.0 | 54 |
| 125 | Analysis of Genetic Diversity in Earthworms using DNA Markers. Zoological Science, 2011, 28, 25. | 0.3 | 9 |
| 126 | Identification of candidate genes for grain number in rice (Oryza sativa L.). Functional and Integrative Genomics, 2010, 10, 339-347. | 1.4 | 53 |

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| --- | --- | --- | --- |
| 127 | Highly variable SSR markers suitable for rice genotyping using agarose gels. Molecular Breeding, 2010, 25, 359-364. | 1.0 | 96 |
| 128 | Evolution of Bcl-2 Anthogenes (BAG) as the Regulators of Cell Death in Wild and Cultivated Oryza Species. Journal of Plant Growth Regulation, 0, , 1. | 2.8 | 3 |
| 129 | Understanding aquaporins regulation and silicon uptake in carrot (Daucus carota). Journal of Plant Biochemistry and Biotechnology, 0, , . | 0.9 | 0 |