

Achuit K Singh

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,103
citations

394421

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414414

32
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41
all docs

41
docs citations

41
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Secondary Metabolites as Defense Tools against Herbivores for Sustainable Crop Protection. International Journal of Molecular Sciences, 2022, 23, 2690.	4.1	126
2	Complexity of begomovirus and betasatellite populations associated with chilli leaf curl disease in India. Journal of General Virology, 2015, 96, 3143-3158.	2.9	82
3	Comparative analysis of microsatellites in chloroplast genomes of lower and higher plants. Current Genetics, 2015, 61, 665-677.	1.7	77
4	CRISPR/Cas9 Mediated Genome Engineering for Improvement of Horticultural Crops. Frontiers in Plant Science, 2017, 8, 1635.	3.6	77
5	Cultural, morphological, pathogenic and molecular variability amongst tomato isolates of <i>Alternaria solani</i> in India. World Journal of Microbiology and Biotechnology, 2008, 24, 1003-1009.	3.6	58
6	Infectivity of the cloned components of a begomovirus: DNA beta complex causing chilli leaf curl disease in India. Archives of Virology, 2008, 153, 533-539.	2.1	58
7	Biology and interactions of two distinct monopartite begomoviruses and betasatellites associated with radish leaf curl disease in India. Virology Journal, 2012, 9, 43.	3.4	54
8	The occurrence and distribution of major viruses infecting cucurbits in Tamil Nadu state, India. Crop Protection, 2017, 99, 10-16.	2.1	51
9	Molecular characterization of a new species of Begomovirus and betasatellite causing leaf curl disease of tomato in India. Virus Research, 2010, 152, 19-29.	2.2	48
10	Molecular diversity, recombination and population structure of alphasatellites associated with begomovirus disease complexes. Infection, Genetics and Evolution, 2017, 49, 39-47.	2.3	48
11	Biotechnological Advancements and Begomovirus Management in Okra (<i>Abelmoschus esculentus</i> L.): Status and Perspectives. Frontiers in Plant Science, 2017, 8, 360.	3.6	45
12	Genetic diversity and distribution of a distinct strain of Chili leaf curl virus and associated betasatellite infecting tomato and pepper in Oman. Virus Research, 2013, 177, 87-97.	2.2	38
13	Biological and molecular characterization of a begomovirus associated with yellow mosaic vein mosaic disease of pumpkin from Northern India. Virus Genes, 2009, 39, 359-370.	1.6	35
14	Identification of a disease complex involving a novel monopartite begomovirus with beta- and alphasatellites associated with okra leaf curl disease in Oman. Archives of Virology, 2014, 159, 1199-1205.	2.1	35
15	Host-specific adaptation of diverse betasatellites associated with distinct Indian tomato-infecting begomoviruses. Virus Genes, 2014, 48, 334-342.	1.6	29
16	Recent evolution of a novel begomovirus causing tomato leaf curl disease in the Al-Batinah region of Oman. Archives of Virology, 2014, 159, 445-455.	2.1	27
17	A novel recombinant tomato-infecting begomovirus capable of transcomplementing heterologous DNA-B components. Archives of Virology, 2011, 156, 769-783.	2.1	26
18	A Distinct Strain of <i>Tomato leaf curl Sudan virus</i> Causes Tomato Leaf Curl Disease in Oman. Plant Disease, 2013, 97, 1396-1402.	1.4	23

#	ARTICLE	IF	CITATIONS
19	Molecular genetic analysis and evolution of begomoviruses and betasatellites causing yellow mosaic disease of bhendi. <i>Virus Genes</i> , 2017, 53, 275-285.	1.6	23
20	Heterologous expression of the AtDREB1A gene in tomato confers tolerance to chilling stress. <i>Biologia Plantarum</i> , 2019, 63, 268-277.	1.9	19
21	Silencing of tomato CTR1 provides enhanced tolerance against Tomato leaf curl virus infection. <i>Plant Signaling and Behavior</i> , 2019, 14, e1565595.	2.4	15
22	Co-overexpression of AtDREB1A and BcZAT12 increases drought tolerance and fruit production in double transgenic tomato (<i>Solanum lycopersicum</i>) plants. <i>Environmental and Experimental Botany</i> , 2021, 184, 104396.	4.2	14
23	Identification and molecular characterization of a new recombinant begomovirus and associated betasatellite DNA infecting <i>Capsicum annuum</i> in India. <i>Archives of Virology</i> , 2016, 161, 1389-1394.	2.1	13
24	Characterization of high-temperature stress-tolerant tomato (<i>Solanum lycopersicum</i> L.) genotypes by biochemical analysis and expression profiling of heat-responsive genes. <i>3 Biotech</i> , 2021, 11, 45.	2.2	12
25	Overexpression of AtDREB1 and BcZAT12 genes confers drought tolerance by reducing oxidative stress in double transgenic tomato (<i>Solanum lycopersicum</i> L.). <i>Plant Cell Reports</i> , 2021, 40, 2173-2190.	5.6	12
26	A New Begomovirus Species Causing Tomato Leaf Curl Disease in Patna, India. <i>Plant Disease</i> , 2009, 93, 545-545.	1.4	12
27	Bhendi yellow vein mosaic virus and bhendi yellow vein mosaic betasatellite cause enation leaf curl disease and alter host phytochemical contents in okra. <i>Plant Disease</i> , 2021, 105, 2595-2600.	1.4	9
28	A New Begomovirus Species in Association with Betasatellite Causing Tomato Leaf Curl Disease in Gandhinagar, India. <i>Plant Disease</i> , 2014, 98, 428-428.	1.4	8
29	Two distinct monopartite begomovirus-betasatellite complexes in western India cause tomato leaf curl disease. <i>Virus Research</i> , 2021, 295, 198319.	2.2	6
30	A new begomovirus species and betasatellite causing severe tomato leaf curl disease in Ranchi, India. <i>New Disease Reports</i> , 2011, 23, 11-11.	0.8	6
31	First Report of Natural Occurrence of Watermelon Bud Necrosis Virus in Round Melon (<i>Praecitrullus fistulosus</i>) in India. <i>Plant Disease</i> , 2019, 103, 781-781.	1.4	4
32	A novel monopartite begomovirus and satellites associated with yellow mosaic disease of <i>Sida</i> spp. in India. <i>Archives of Virology</i> , 2021, 166, 299-302.	2.1	4
33	First Report of Tomato Leaf Curl Joydebpur Virus Infecting Chilli (<i>Capsicum annuum</i>) in Andaman and Nicobar Islands. <i>Plant Disease</i> , 2019, 103, 2974-2974.	1.4	3
34	Dwarf Mosaic Disease of French Bean in India Caused by <i>Rhynchosia</i> yellow mosaic virus in Association With a Betasatellite. <i>Plant Disease</i> , 2015, 99, 1290.	1.4	2
35	Biotechnological Innovations in Cucumber (<i>Cucumis sativus</i> L.) Development – Current Scenario and Future Perspectives. <i>Compendium of Plant Genomes</i> , 2022, , 185-199.	0.5	2
36	First report of natural occurrence of groundnut bud necrosis virus in <i>Solanum torvum</i> Sw. in India. <i>Journal of Plant Pathology</i> , 2019, 101, 185-185.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Genome Editing and Its Applications for Improvement. Compendium of Plant Genomes, 2022, , 15-23.	0.5	1
38	Distribution of Geminivirus in the Indian Subcontinent. , 2019, , 39-64.		0
39	Diversity of Potyviruses and Their Extent in Vegetable Pathosystem. , 2019, , 409-426.		0
40	Biology and Molecular Epidemiology of Begomovirus Infection on Cucurbit Crops. , 2019, , 385-408.		0
41	Engineering Plastid Pathways: An Environment-Friendly Alternative for in Planta Transformation. , 2020, , 287-311.		0