

Ramesh R Vetukuri

List of Publications by Year in descending order

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59
papers

1,740
citations

471061

17
h-index

301761

39
g-index

73
all docs

73
docs citations

73
times ranked

1975
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Phytophthora infestans</i> effector AVR3a is essential for virulence and manipulates plant immunity by stabilizing host E3 ligase CMPG1. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9909-9914.	3.3	412
2	Plant-mediated gene silencing restricts growth of the potato late blight pathogen <i>Phytophthora infestans</i> . Journal of Experimental Botany, 2015, 66, 2785-2794.	2.4	124
3	Transcriptional stimulation of rate-limiting components of the autophagic pathway improves plant fitness. Journal of Experimental Botany, 2018, 69, 1415-1432.	2.4	120
4	When is it biological control? A framework of definitions, mechanisms, and classifications. Journal of Pest Science, 2021, 94, 665-676.	1.9	86
5	Evidence for Small RNAs Homologous to Effector-Encoding Genes and Transposable Elements in the Oomycete <i>Phytophthora infestans</i> . PLoS ONE, 2012, 7, e51399.	1.1	79
6	The occurrence of pathogen suppressive soils in Sweden in relation to soil biota, soil properties, and farming practices. Applied Soil Ecology, 2016, 107, 57-65.	2.1	78
7	Retromer Contributes to Immunity-Associated Cell Death in Arabidopsis. Plant Cell, 2015, 27, 463-479.	3.1	67
8	Evidence for involvement of Dicer-like, Argonaute and histone deacetylase proteins in gene silencing in <i>Phytophthora infestans</i> . Molecular Plant Pathology, 2011, 12, 772-785.	2.0	64
9	Sorghum in dryland: morphological, physiological, and molecular responses of sorghum under drought stress. Planta, 2022, 255, 20.	1.6	55
10	Can silencing of transposons contribute to variation in effector gene expression in <i>Phytophthora infestans</i> ?. Mobile Genetic Elements, 2012, 2, 110-114.	1.8	43
11	<i>Phytophthora infestans</i> Argonaute 1 binds microRNA and small RNA from effector genes and transposable elements. New Phytologist, 2016, 211, 993-1007.	3.5	41
12	Importin- β -Mediated Nucleolar Localization of Potato Mop-Top Virus TRIPLE GENE BLOCK1 (TGB1) Protein Facilitates Virus Systemic Movement, Whereas TGB1 Self-Interaction Is Required for Cell-to-Cell Movement in <i>Nicotiana benthamiana</i> . Plant Physiology, 2015, 167, 738-752.	2.3	35
13	Spray-Induced Gene Silencing as a Potential Tool to Control Potato Late Blight Disease. Phytopathology, 2021, 111, 2168-2175.	1.1	32
14	Plant Growth-Promoting Activity of <i>Pseudomonas aeruginosa</i> FG106 and Its Ability to Act as a Biocontrol Agent against Potato, Tomato and Taro Pathogens. Biology, 2022, 11, 140.	1.3	31
15	Fragmentation of tRNA in <i>Phytophthora infestans</i> asexual life cycle stages and during host plant infection. BMC Microbiology, 2014, 14, 308.	1.3	24
16	Optimization of Culture Conditions and Production of Bio-Fungicides from <i>Trichoderma</i> Species under Solid-State Fermentation Using Mathematical Modeling. Microorganisms, 2021, 9, 1675.	1.6	23
17	Screening of alternative products for integrated pest management of cucurbit powdery mildew in Sweden. European Journal of Plant Pathology, 2018, 150, 127-138.	0.8	22
18	Exogenous melatonin-stimulated transcriptomic alterations of <i>Davidia involucreta</i> seedlings under drought stress. Trees - Structure and Function, 2021, 35, 1025-1038.	0.9	20

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19	Draft Genome Sequence for the Tree Pathogen <i>Phytophthora plurivora</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 2432-2442.	1.1	19
20	Silencing of the PiAvr3a effector-encoding gene from <i>Phytophthora infestans</i> by transcriptional fusion to a short interspersed element. <i>Fungal Biology</i> , 2011, 115, 1225-1233.	1.1	18
21	Draft genome of the oomycete pathogen <i>Phytophthora cactorum</i> strain LV007 isolated from European beech (<i>Fagus sylvatica</i>). <i>Genomics Data</i> , 2017, 12, 155-156.	1.3	18
22	Draft Genome Sequence of the Mycoparasitic Oomycete <i>Pythium oligandrum</i> Strain CBS 530.74. <i>Genome Announcements</i> , 2017, 5, .	0.8	18
23	Real-time PCR for detection and quantification, and histological characterization of <i>Neonectria ditissima</i> in apple trees. <i>Trees - Structure and Function</i> , 2016, 30, 1111-1125.	0.9	17
24	<i>Phytophthora infestans</i> effector Pi14054 is a novel candidate suppressor of host silencing mechanisms. <i>European Journal of Plant Pathology</i> , 2017, 149, 771-777.	0.8	17
25	A viral transcription factor exhibits antiviral RNA silencing suppression activity independent of its nuclear localization. <i>Journal of General Virology</i> , 2014, 95, 2831-2837.	1.3	16
26	Spray-induced gene silencing: an innovative strategy for plant trait improvement and disease control. <i>Crop Breeding and Applied Biotechnology</i> , 2021, 21, .	0.1	16
27	Biological control of strawberry crown rot, root rot and grey mould by the beneficial fungus <i>Aureobasidium pullulans</i> . <i>BioControl</i> , 2021, 66, 535-545.	0.9	16
28	Draft Genome Sequence of the Mycoparasitic Oomycete <i>Pythium periplocum</i> Strain CBS 532.74. <i>Genome Announcements</i> , 2017, 5, .	0.8	12
29	Identification of Unique Peptides for SARS-CoV-2 Diagnostics and Vaccine Development by an In Silico Proteomics Approach. <i>Frontiers in Immunology</i> , 2021, 12, 725240.	2.2	12
30	Role of Dicer-Dependent RNA Interference in Regulating Mycoparasitic Interactions. <i>Microbiology Spectrum</i> , 2021, 9, e0109921.	1.2	12
31	Effect of Biochar and Microbial Inoculation on P, Fe, and Zn Bioavailability in a Calcareous Soil. <i>Processes</i> , 2022, 10, 343.	1.3	12
32	Horizontal Gene Transfer and Tandem Duplication Shape the Unique CAZyme Complement of the Mycoparasitic Oomycetes <i>Pythium oligandrum</i> and <i>Pythium periplocum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 581698.	1.5	10
33	Larval response to frass and guaiacol: detection of an attractant produced by bacteria from <i>Spodoptera littoralis</i> frass. <i>Journal of Pest Science</i> , 2021, 94, 1105-1118.	1.9	10
34	Biodiversity of the Genus <i>Trichoderma</i> in the Rhizosphere of Coffee (<i>Coffea arabica</i>) Plants in Ethiopia and Their Potential Use in Biocontrol of Coffee Wilt Disease. <i>Crops</i> , 2022, 2, 120-141.	0.6	10
35	Phenotypic diversification by gene silencing in <i>Phytophthora</i> plant pathogens. <i>Communicative and Integrative Biology</i> , 2013, 6, e25890.	0.6	9
36	Transcriptomic Responses of Dove Tree (<i>Davidia involucreta</i> Baill.) to Heat Stress at the Seedling Stage. <i>Forests</i> , 2019, 10, 656.	0.9	9

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37	Dominance of Mating Type A1 and Indication of Epigenetic Effects During Early Stages of Mating in <i>Phytophthora infestans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 252.	1.5	9
38	Transient expression and purification of Î²-caryophyllene synthase in <i>Nicotiana benthamiana</i> to produce Î²-caryophyllene in vitro. <i>PeerJ</i> , 2020, 8, e8904.	0.9	9
39	Optimization of Biofertilizer Formulation for Phosphorus Solubilizing by <i>Pseudomonas fluorescens</i> Ur21 via Response Surface Methodology. <i>Processes</i> , 2022, 10, 650.	1.3	9
40	RNA-Seq Provides Novel Genomic Resources for Noug (<i>Guizotia abyssinica</i>) and Reveals Microsatellite Frequency and Distribution in Its Transcriptome. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	9
41	Genome Sequence Resource for the Oomycete Taro Pathogen <i>Phytophthora colocasiae</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 903-905.	1.4	8
42	Efficient RNA silencing suppression activity of Potato Mop-Top Virus 8K protein is driven by variability and positive selection. <i>Virology</i> , 2019, 535, 111-121.	1.1	8
43	Differential Gene Expression Analysis of Wheat Breeding Lines Reveal Molecular Insights in Yellow Rust Resistance under Field Conditions. <i>Agronomy</i> , 2020, 10, 1888.	1.3	8
44	The presence of <i>Phytophthora infestans</i> in the rhizosphere of a wild <i>Solanum</i> species may contribute to off-season survival and pathogenicity. <i>Applied Soil Ecology</i> , 2020, 148, 103475.	2.1	7
45	Interactions between Biochar and Compost Treatment and Mycorrhizal Fungi to Improve the Qualitative Properties of a Calcareous Soil under Rhizobox Conditions. <i>Agriculture (Switzerland)</i> , 2021, 11, 993.	1.4	7
46	Comparison of two commercial recirculated aquacultural systems and their microbial potential in plant disease suppression. <i>BMC Microbiology</i> , 2021, 21, 205.	1.3	6
47	Monitoring and discrimination of Pandemis moths in apple orchards using semiochemicals, wing pattern morphology and DNA barcoding. <i>Crop Protection</i> , 2020, 132, 105110.	1.0	5
48	Haustorium formation and a distinct biotrophic transcriptome characterize infection of <i>Nicotiana benthamiana</i> by the tree pathogen <i>Phytophthora kernoviae</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 954-968.	2.0	5
49	A fast, nondestructive method for the detection of disease-related lesions and wounded leaves. <i>BioTechniques</i> , 2021, 71, 425-430.	0.8	5
50	Harnessing the Potential of Symbiotic Endophytic Fungi and Plant Growth-Promoting Rhizobacteria to Enhance Soil Quality in Saline Soils. <i>Processes</i> , 2021, 9, 1810.	1.3	5
51	Comparative Small RNA and Degradome Sequencing Provides Insights into Antagonistic Interactions in the Biocontrol Fungus <i>Clonostachys rosea</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	5
52	Draft genome assemblies for tree pathogens <i>Phytophthora pseudosyringae</i> and <i>Phytophthora boehmeriae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	4
53	Effect of RNA silencing suppression activity of chrysanthemum virus B p12 protein on small RNA species. <i>Archives of Virology</i> , 2020, 165, 2953-2959.	0.9	3
54	Optimization of Culture Conditions for Zinc Phosphate Solubilization by <i>Aspergillus</i> sp. Using Response Surface Methodology. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1009-1018.	1.7	3

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55	Editorial: Genomics and Effectomics of Filamentous Plant Pathogens. <i>Frontiers in Genetics</i> , 2021, 12, 648690.	1.1	2
56	Characterization of Environmental Effects on Flowering and Plant Architecture in an Everbearing Strawberry F1-Hybrid by Meristem Dissection and Gene Expression Analysis. <i>Horticulturae</i> , 2022, 8, 626.	1.2	2
57	A Quantitative Luminol-Based Assay for ROS Burst Detection in Potato Leaves in Response to Biotic Stimuli. <i>Methods in Molecular Biology</i> , 2022, , 395-402.	0.4	1
58	Spray-Induced Gene Silencing to Study Gene Function in <i>Phytophthora</i> . <i>Methods in Molecular Biology</i> , 2022, , 459-474.	0.4	1
59	Lignocellulolytic and Chitinolytic Glycoside Hydrolases: Structure, Catalytic Mechanism, Directed Evolution and Industrial Implementation. , 2020, , 97-127.		0