

Dinesh A Nagegowda, Fnasc

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6902153/publications.pdf>

Version: 2024-02-01

41
papers

3,369
citations

236925

25
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

4212
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization of three CYP450 genes reveals their role in withanolides formation and defense in <i>Withania somnifera</i> , the Indian Ginseng. <i>Scientific Reports</i> , 2022, 12, 1602.	3.3	12
2	Virus-Induced Gene Silencing for Functional Genomics of Specialized Metabolism in Medicinal Plants. <i>Methods in Molecular Biology</i> , 2022, 2408, 147-163.	0.9	0
3	<i>Agrobacterium</i> -Mediated in Planta Transformation in Periwinkle. <i>Methods in Molecular Biology</i> , 2022, , 301-315.	0.9	2
4	An inducible potato (<i>Solanum tuberosum</i>) β -farnesol synthase confers tolerance against bacterial pathogens in potato and tobacco. <i>Plant Journal</i> , 2022, 111, 1308-1323.	5.7	5
5	Functional characterization of a defense-responsive bulnesol/eleamol synthase from potato. <i>Physiologia Plantarum</i> , 2021, 171, 7-21.	5.2	7
6	Non-radioactive Assay to Determine Product Profile of Short-chain Isoprenyl Diphosphate Synthases. <i>Bio-protocol</i> , 2021, 11, e3874.	0.4	1
7	Limonoid biosynthesis 3: Functional characterization of crucial genes involved in neem limonoid biosynthesis. <i>Phytochemistry</i> , 2021, 184, 112669.	2.9	12
8	Alternative splicing creates a pseudo-strictosidine β -glucosidase modulating alkaloid synthesis in <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 2021, 185, 836-856.	4.8	19
9	A plastid-localized <i>bona fide</i> geranylgeranyl diphosphate synthase plays a necessary role in monoterpene indole alkaloid biosynthesis in <i>Catharanthus roseus</i> . <i>Plant Journal</i> , 2020, 103, 248-265.	5.7	24
10	Advances in biosynthesis, regulation, and metabolic engineering of plant specialized terpenoids. <i>Plant Science</i> , 2020, 294, 110457.	3.6	125
11	Virus-Induced Gene Silencing for Functional Genomics in <i>Withania somnifera</i> , an Important Indian Medicinal Plant. <i>Methods in Molecular Biology</i> , 2020, 2172, 139-154.	0.9	3
12	Characterization of a class III peroxidase from <i>Artemisia annua</i> : relevance to artemisinin metabolism and beyond. <i>Plant Molecular Biology</i> , 2019, 100, 527-541.	3.9	3
13	Compatibility of Inherent Fungal Endophytes of <i>Withania somnifera</i> with <i>Trichoderma viride</i> and its Impact on Plant Growth and Withanolide Content. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1228-1242.	5.1	14
14	RNAi of <i>Sterol Methyl Transferase1</i> Reveals its Direct Role in Diverting Intermediates Towards Withanolide/Phytosterol Biosynthesis in <i>Withania somnifera</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 672-686.	3.1	16
15	Terpene Moiety Enhancement by Overexpression of Geranyl(geranyl) Diphosphate Synthase and Geraniol Synthase Elevates Monomeric and Dimeric Monoterpene Indole Alkaloids in Transgenic <i>Catharanthus roseus</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 942.	3.6	35
16	Nitrogen treatment enhances sterols and withaferin A through transcriptional activation of jasmonate pathway, WRKY transcription factors, and biosynthesis genes in <i>Withania somnifera</i> (L.) Dunal. <i>Protoplasma</i> , 2017, 254, 389-399.	2.1	23
17	Transcriptomic insight into terpenoid and carbazole alkaloid biosynthesis, and functional characterization of two terpene synthases in curry tree (<i>Murraya koenigii</i>). <i>Scientific Reports</i> , 2017, 7, 44126.	3.3	34
18	A WRKY transcription factor from <i>Withania somnifera</i> regulates triterpenoid withanolide accumulation and biotic stress tolerance through modulation of phytosterol and defense pathways. <i>New Phytologist</i> , 2017, 215, 1115-1131.	7.3	111

#	ARTICLE	IF	CITATIONS
19	De Novo Sequencing and Analysis of Lemongrass Transcriptome Provide First Insights into the Essential Oil Biosynthesis of Aromatic Grasses. <i>Frontiers in Plant Science</i> , 2016, 7, 1129.	3.6	31
20	Precursor feeding studies and molecular characterization of geraniol synthase establish the limiting role of geraniol in monoterpene indole alkaloid biosynthesis in <i>Catharanthus roseus</i> leaves. <i>Plant Science</i> , 2015, 239, 56-66.	3.6	43
21	Virus-induced gene silencing of <i>W</i> <i>ithania somnifera</i> squalene synthase negatively regulates sterol and defence-related genes resulting in reduced withanolides and biotic stress tolerance. <i>Plant Biotechnology Journal</i> , 2015, 13, 1287-1299.	8.3	81
22	Past achievements, current status and future perspectives of studies on 3-hydroxy-3-methylglutaryl-CoA synthase (HMGS) in the mevalonate (MVA) pathway. <i>Plant Cell Reports</i> , 2014, 33, 1005-1022.	5.6	63
23	De novo sequencing and comparative analysis of holy and sweet basil transcriptomes. <i>BMC Genomics</i> , 2014, 15, 588.	2.8	113
24	Heteromeric and Homomeric Geranyl Diphosphate Synthases from <i>Catharanthus roseus</i> and Their Role in Monoterpene Indole Alkaloid Biosynthesis. <i>Molecular Plant</i> , 2013, 6, 1531-1549.	8.3	92
25	4-Coumarate: CoA Ligase Partitions Metabolites for Eugenol Biosynthesis. <i>Plant and Cell Physiology</i> , 2013, 54, 1238-1252.	3.1	64
26	Contribution of CoA Ligases to Benzenoid Biosynthesis in <i>Petunia</i> Flowers. <i>Plant Cell</i> , 2012, 24, 2015-2030.	6.6	127
27	Overexpression of <i>Brassica juncea</i> wild-type and mutant HMG-CoA synthase 1 in <i>Arabidopsis</i> up-regulates genes in sterol biosynthesis and enhances sterol production and stress tolerance. <i>Plant Biotechnology Journal</i> , 2012, 10, 31-42.	8.3	111
28	Role of aromatic aldehyde synthase in wounding/herbivory response and flower scent production in different <i>Arabidopsis</i> ecotypes. <i>Plant Journal</i> , 2011, 66, 591-602.	5.7	56
29	The small subunit of geranyl diphosphate synthase: a tool to improve aroma and flavour by metabolic engineering. <i>Journal of Biosciences</i> , 2010, 35, 167-169.	1.1	1
30	Plant volatile terpenoid metabolism: Biosynthetic genes, transcriptional regulation and subcellular compartmentation. <i>FEBS Letters</i> , 2010, 584, 2965-2973.	2.8	324
31	The Small Subunit of Snapdragon Geranyl Diphosphate Synthase Modifies the Chain Length Specificity of Tobacco Geranylgeranyl Diphosphate Synthase in <i>Planta</i> . <i>Plant Cell</i> , 2010, 21, 4002-4017.	6.6	91
32	Chapter 10 The Role of the Methyl-Erythritol-Phosphate (MEP) Pathway in Rhythmic Emission of Volatiles. <i>Advances in Photosynthesis and Respiration</i> , 2010, , 139-154.	1.0	11
33	Two terpene synthases are responsible for the major sesquiterpenes emitted from the flowers of kiwifruit (<i>Actinidia deliciosa</i>). <i>Journal of Experimental Botany</i> , 2009, 60, 3203-3219.	4.8	136
34	Involvement of snapdragon benzaldehyde dehydrogenase in benzoic acid biosynthesis. <i>Plant Journal</i> , 2009, 59, 256-265.	5.7	87
35	Two nearly identical terpene synthases catalyze the formation of nerolidol and linalool in snapdragon flowers. <i>Plant Journal</i> , 2008, 55, 224-239.	5.7	194
36	<i>Brassica juncea</i> chitinase BjCHI1 inhibits growth of fungal phytopathogens and agglutinates Gram-negative bacteria. <i>Journal of Experimental Botany</i> , 2008, 59, 3475-3484.	4.8	28

#	ARTICLE	IF	CITATIONS
37	Characterization of a petunia acetyltransferase involved in the biosynthesis of the floral volatile isoeugenol. <i>Plant Journal</i> , 2007, 49, 265-275.	5.7	133
38	Plant Volatiles: Recent Advances and Future Perspectives. <i>Critical Reviews in Plant Sciences</i> , 2006, 25, 417-440.	5.7	1,008
39	Structural basis for the design of potent and species-specific inhibitors of 3-hydroxy-3-methylglutaryl CoA synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11491-11496.	7.1	37
40	<i>Brassica juncea</i> HMG-CoA synthase: localization of mRNA and protein. <i>Planta</i> , 2005, 221, 844-856.	3.2	29
41	<i>Brassica juncea</i> 3-hydroxy-3-methylglutaryl (HMG)-CoA synthase 1: expression and characterization of recombinant wild-type and mutant enzymes. <i>Biochemical Journal</i> , 2004, 383, 517-527.	3.7	50