

# Supaart Sirikantaramas

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,782  
citations

430874

18  
h-index

302126

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2074  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Gene Controlling Marijuana Psychoactivity. <i>Journal of Biological Chemistry</i> , 2004, 279, 39767-39774.	3.4	254
2	Cannabidiolic-acid synthase, the chemotype-determining enzyme in the fiber-type <i>Cannabis sativa</i> . <i>FEBS Letters</i> , 2007, 581, 2929-2934.	2.8	216
3	Tetrahydrocannabinolic Acid Synthase, the Enzyme Controlling Marijuana Psychoactivity, is Secreted into the Storage Cavity of the Glandular Trichomes. <i>Plant and Cell Physiology</i> , 2005, 46, 1578-1582.	3.1	192
4	The Metabolic Response of <i>Arabidopsis</i> Roots to Oxidative Stress is Distinct from that of Heterotrophic Cells in Culture and Highlights a Complex Relationship between the Levels of Transcripts, Metabolites, and Flux. <i>Molecular Plant</i> , 2009, 2, 390-406.	8.3	155
5	Mechanisms of resistance to self-produced toxic secondary metabolites in plants. <i>Phytochemistry Reviews</i> , 2008, 7, 467-477.	6.5	111
6	Mutations in topoisomerase I as a self-resistance mechanism coevolved with the production of the anticancer alkaloid camptothecin in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6782-6786.	7.1	94
7	Camptothecin: Therapeutic Potential and Biotechnology. <i>Current Pharmaceutical Biotechnology</i> , 2007, 8, 196-202.	1.6	83
8	Recent Advances in <i>Cannabis sativa</i> Research: Biosynthetic Studies and Its Potential in Biotechnology. <i>Current Pharmaceutical Biotechnology</i> , 2007, 8, 237-243.	1.6	80
9	Phytocannabinoids in <i>Cannabis sativa</i> : Recent Studies on Biosynthetic Enzymes. <i>Chemistry and Biodiversity</i> , 2007, 4, 1649-1663.	2.1	75
10	Production of $^{14}C$ -1-tetrahydrocannabinolic acid by the biosynthetic enzyme secreted from transgenic <i>Pichia pastoris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 675-680.	2.1	51
11	Transport of camptothecin in hairy roots of <i>Ophiorrhiza pumila</i> . <i>Phytochemistry</i> , 2007, 68, 2881-2886.	2.9	41
12	Metabolic variation in the pulps of two durian cultivars: Unraveling the metabolites that contribute to the flavor. <i>Food Chemistry</i> , 2018, 268, 118-125.	8.2	40
13	Isocitrate lyase plays important roles in plant salt tolerance. <i>BMC Plant Biology</i> , 2019, 19, 472.	3.6	33
14	Two novel antimicrobial defensins from rice identified by gene coexpression network analyses. <i>Peptides</i> , 2016, 84, 7-16.	2.4	30
15	A survival strategy: The coevolution of the camptothecin biosynthetic pathway and self-resistance mechanism. <i>Phytochemistry</i> , 2009, 70, 1894-1898.	2.9	29
16	Identification and Functional Characterization of Genes Involved in the Biosynthesis of Caffeoylquinic Acids in Sunflower ( <i>Helianthus annuus</i> L.). <i>Frontiers in Plant Science</i> , 2019, 10, 968.	3.6	26
17	Genome-wide analysis of the Dof gene family in durian reveals fruit ripening-associated and cultivar-dependent Dof transcription factors. <i>Scientific Reports</i> , 2019, 9, 12109.	3.3	24
18	Auxin Response Factor 2A Is Part of the Regulatory Network Mediating Fruit Ripening Through Auxin-Ethylene Crosstalk in Durian. <i>Frontiers in Plant Science</i> , 2020, 11, 543747.	3.6	22

#	ARTICLE	IF	CITATIONS
19	Gene expression analysis, subcellular localization, and in planta antimicrobial activity of rice ( <i>Oryza</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	5.8	19
20	Biosynthetic system of camptothecin: An anticancer plant product. <i>Pure and Applied Chemistry</i> , 2010, 82, 213-218.	1.9	17
21	Assessing Dynamic Changes of Taste-Related Primary Metabolism During Ripening of Durian Pulp Using Metabolomic and Transcriptomic Analyses. <i>Frontiers in Plant Science</i> , 2021, 12, 687799.	3.6	16
22	Camptothecin. <i>Advances in Botanical Research</i> , 2013, 68, 139-161.	1.1	15
23	Structural insight of DNA topoisomerases I from camptothecin-producing plants revealed by molecular dynamics simulations. <i>Phytochemistry</i> , 2015, 113, 50-56.	2.9	15
24	Cannabinoids: Biosynthesis and Biotechnological Applications. , 2017, , 183-206.		15
25	Transcriptome analysis of <i>Pueraria candollei</i> var. <i>mirifica</i> for gene discovery in the biosyntheses of isoflavones and miroestrol. <i>BMC Plant Biology</i> , 2019, 19, 581.	3.6	15
26	Effect of cold-pressed and normal centrifugal juicing on quality attributes of fresh juices: do cold-pressed juices harbor a superior nutritional quality and antioxidant capacity?. <i>Heliyon</i> , 2019, 5, e01917.	3.2	14
27	Heterologous expression and antimicrobial activity of OsGASR3 from rice ( <i>Oryza sativa</i> L.). <i>Journal of Plant Physiology</i> , 2018, 224-225, 95-102.	3.5	12
28	Enhanced Production of Bryonolic Acid in <i>Trichosanthes cucumerina</i> L. (Thai Cultivar) Cell Cultures by Elicitors and Their Biological Activities. <i>Plants</i> , 2020, 9, 709.	3.5	12
29	Metabolic Changes and Increased Levels of Bioactive Compounds in White Radish ( <i>Raphanus sativus</i> L.) Tj ETQq1 1,0784314 rgBT /Ove	3.0	11
30	Potential of <i>Synechocystis</i> PCC 6803 as a novel cyanobacterial chassis for heterologous expression of enzymes in the trans-resveratrol biosynthetic pathway. <i>Protein Expression and Purification</i> , 2016, 121, 163-168.	1.3	9
31	Fruit ripening-associated leucylaminopeptidase with cysteinylglycine dipeptidase activity from durian suggests its involvement in glutathione recycling. <i>BMC Plant Biology</i> , 2021, 21, 69.	3.6	9
32	De novo transcriptome analysis and identification of candidate genes associated with triterpenoid biosynthesis in <i>Trichosanthes cucumerina</i> L.. <i>Plant Cell Reports</i> , 2021, 40, 1845-1858.	5.6	9
33	Genome-wide identification and expression profiling of durian CYPome related to fruit ripening. <i>PLoS ONE</i> , 2021, 16, e0260665.	2.5	8
34	Transcriptome-wide identification and expression profiling of the ERF gene family suggest roles as transcriptional activators and repressors of fruit ripening in durian. <i>PLoS ONE</i> , 2021, 16, e0252367.	2.5	7
35	Recent advances in cannabinoid biochemistry and biotechnology. <i>ScienceAsia</i> , 2019, 45, 399.	0.5	7
36	Activation of a Refolded, Berberine-specific, Single-chain Fv Fragment by Addition of Free Berberine. <i>Biotechnology Letters</i> , 2006, 28, 999-1006.	2.2	5

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37	Molecular cloning, subcellular localization and characterization of two adenylate kinases from cassava, <i>Manihot esculenta</i> Crantz cv. KU50. <i>Journal of Plant Physiology</i> , 2016, 204, 66-73.	3.5	2
38	<i>Synechocystis</i> PCC 6803 cells heterologously expressing bacterial tyrosine ammonia lyase can use exogenous tyrosine for p-coumaric acid production. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2018, 27, 118-122.	1.7	2
39	In Silico Analyses of Rice Thionin Genes and the Antimicrobial Activity of OsTHION15 Against Phytopathogens. <i>Phytopathology</i> , 2019, 109, 27-35.	2.2	2