

# Ravigadevi Sambanthamurthi

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,458  
citations

331670

21  
h-index

214800

47  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oil palm genome sequence reveals divergence of interfertile species in Old and New worlds. <i>Nature</i> , 2013, 500, 335-339.	27.8	468
2	Loss of Karma transposon methylation underlies the mantled somaclonal variant of oil palm. <i>Nature</i> , 2015, 525, 533-537.	27.8	405
3	Chemistry and biochemistry of palm oil. <i>Progress in Lipid Research</i> , 2000, 39, 507-558.	11.6	298
4	The oil palm SHELL gene controls oil yield and encodes a homologue of SEEDSTICK. <i>Nature</i> , 2013, 500, 340-344.	27.8	167
5	Palm fruit chemistry and nutrition. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2003, 12, 355-62.	0.4	150
6	Efficient Transformation of Oil Palm Protoplasts by PEG-Mediated Transfection and DNA Microinjection. <i>PLoS ONE</i> , 2014, 9, e96831.	2.5	95
7	High density SNP and SSR-based genetic maps of two independent oil palm hybrids. <i>BMC Genomics</i> , 2014, 15, 309.	2.8	70
8	The oil palm VIRESCENS gene controls fruit colour and encodes a R2R3-MYB. <i>Nature Communications</i> , 2014, 5, 4106.	12.8	67
9	Oil palm vegetation liquor: a new source of phenolic bioactives. <i>British Journal of Nutrition</i> , 2011, 106, 1655-1663.	2.3	57
10	Valorisation of palm by-products as functional components. <i>European Journal of Lipid Science and Technology</i> , 2007, 109, 380-393.	1.5	53
11	Biotechnology of oil palm: strategies towards manipulation of lipid content and composition. <i>Plant Cell Reports</i> , 2015, 34, 533-543.	5.6	45
12	Oil palm phenolics and vitamin E reduce atherosclerosis in rabbits. <i>Journal of Functional Foods</i> , 2014, 7, 541-550.	3.4	37
13	Fine-mapping and cross-validation of QTLs linked to fatty acid composition in multiple independent interspecific crosses of oil palm. <i>BMC Genomics</i> , 2016, 17, 289.	2.8	32
14	Chilling-induced Lipid Hydrolysis in the Oil Palm ( <i>Elaeis guineensis</i> ) Mesocarp. <i>Journal of Experimental Botany</i> , 1991, 42, 1199-1205.	4.8	30
15	Positive outcomes of oil palm phenolics on degenerative diseases in animal models. <i>British Journal of Nutrition</i> , 2011, 106, 1664-1675.	2.3	29
16	Anti-diabetic effects of palm fruit juice in the Nile rat ( <i>Arvicanthis niloticus</i> ). <i>Journal of Nutritional Science</i> , 2014, 3, e5.	1.9	27
17	Regeneration of viable oil palm plants from protoplasts by optimizing media components, growth regulators and cultivation procedures. <i>Plant Science</i> , 2013, 210, 118-127.	3.6	26
18	Non-tenera Contamination and the Economic Impact of SHELL Genetic Testing in the Malaysian Independent Oil Palm Industry. <i>Frontiers in Plant Science</i> , 2016, 7, 771.	3.6	26

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19	Antioxidant properties of palm fruit extracts. Asia Pacific Journal of Clinical Nutrition, 2005, 14, 319-24.	0.4	25
20	Oil palm phenolics confer neuroprotective effects involving cognitive and motor functions in mice. Nutritional Neuroscience, 2013, 16, 207-217.	3.1	24
21	Evidence-based gene models for structural and functional annotations of the oil palm genome. Biology Direct, 2017, 12, 21.	4.6	24
22	Differential transcriptomic profiles effected by oil palm phenolics indicate novel health outcomes. BMC Genomics, 2011, 12, 432.	2.8	20
23	Opportunities for the Oil Palm via Breeding and Biotechnology. , 2009, , 377-421.		18
24	Oil palm phenolics attenuate changes caused by an atherogenic diet in mice. European Journal of Nutrition, 2013, 52, 443-456.	3.9	17
25	Hepatic transcriptome implications for palm fruit juice deterrence of type 2 diabetes mellitus in young male Nile rats. Genes and Nutrition, 2016, 11, 29.	2.5	17
26	Palm Fruit Bioactives modulate human astrocyte activity in vitro altering the cytokine secretome reducing levels of TNF $\alpha$ , RANTES and IP-10. Scientific Reports, 2018, 8, 16423.	3.3	17
27	Comparative genomic and transcriptomic analysis of selected fatty acid biosynthesis genes and CNL disease resistance genes in oil palm. PLoS ONE, 2018, 13, e0194792.	2.5	16
28	Oil palm ( <i>Elaeis guineensis</i> ) protoplasts: isolation, culture and microcallus formation. Plant Cell, Tissue and Organ Culture, 1996, 46, 35-41.	2.3	14
29	Oil Palm Phenolics Inhibit the <i>In Vitro</i> Aggregation of $\beta$ -Amyloid Peptide into Oligomeric Complexes. International Journal of Alzheimer's Disease, 2018, 2018, 1-12.	2.0	14
30	Characterization of Oil Palm Acyl-CoA-Binding Proteins and Correlation of Their Gene Expression with Oil Synthesis. Plant and Cell Physiology, 2020, 61, 735-747.	3.1	14
31	Towards Genetic Engineering of Oil Palm ( <i>Elaeis guineensis</i> Jacq.). , 1995, , 570-572.		14
32	Drosophila larvae fed palm fruit juice (PFJ) delay pupation via expression regulation of hormetic stress response genes linked to ageing and longevity. Experimental Gerontology, 2018, 106, 198-221.	2.8	13
33	Lipid metabolism in oil palm ( <i>Elaeis guineensis</i> and <i>Elaeis oleifera</i> ) protoplasts. Plant Science, 1987, 51, 97-103.	3.6	12
34	Effects of mesocarp bruising on the rate of free fatty acid release in oil palm fruits. International Biodeterioration and Biodegradation, 1993, 31, 65-70.	3.9	12
35	Variation for heterodimerization and nuclear localization among known and novel oil palm SHELL alleles. New Phytologist, 2020, 226, 426-440.	7.3	11
36	Gene Expression Changes in Spleens and Livers of Tumour-Bearing Mice Suggest Delayed Inflammation and Attenuated Cachexia in Response to Oil Palm Phenolics. Journal of Nutrigenetics and Nutrigenomics, 2013, 6, 305-326.	1.3	9

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37	Effect of oil palm phenolics on gastrointestinal transit, contractility and motility in the rat. Journal of Functional Foods, 2015, 17, 928-937.	3.4	9
38	A phase I single-blind clinical trial to evaluate the safety of oil palm phenolics (OPP) supplementation in healthy volunteers. Scientific Reports, 2018, 8, 8217.	3.3	9
39	Tissue Culture and Genetic Engineering of Oil Palm. , 2012, , 87-135.		8
40	Sustainable Palm Oil—The Role of Screening and Advanced Analytical Techniques for Geographical Traceability and Authenticity Verification. Molecules, 2020, 25, 2927.	3.8	8
41	Palm Fruit Bioactives augment expression of Tyrosine Hydroxylase in the Nile Grass Rat basal ganglia and alter the colonic microbiome. Scientific Reports, 2019, 9, 18625.	3.3	7
42	Factors Affecting Lipase Activity in the Oil Palm ( <i>Elaeis Guineensis</i> ) Mesocarp. , 1995, , 555-557.		7
43	Putative regulatory candidate genes for QTL linked to fruit traits in oil palm ( <i>Elaeis guineensis</i> Jacq.). Euphytica, 2018, 214, 1.	1.2	6
44	Expression of fatty acid and triacylglycerol synthesis genes in interspecific hybrids of oil palm. Scientific Reports, 2020, 10, 16296.	3.3	4
45	Candidate genes linked to QTL regions associated with fatty acid composition in oil palm. Biologia (Poland), 2021, 76, 267-279.	1.5	4
46	Protoplast Isolation and Transformation in Oil. Methods in Molecular Biology, 2022, 2464, 187-202.	0.9	4
47	Comparison of quantitative trait loci (QTLs) associated with yield components in two commercial Dura—Pisifera breeding crosses. Euphytica, 2021, 217, 1.	1.2	3
48	Water-soluble palm fruit extract: composition, biological properties, and molecular mechanisms for health and non-health applications. Critical Reviews in Food Science and Nutrition, 2022, 62, 9076-9092.	10.3	3
49	Identification of reference genes for real-time polymerase chain reaction gene expression studies in Nile rats fed Water-Soluble Palm Fruit Extract. Molecular Biology Reports, 2020, 47, 9409-9427.	2.3	2
50	Consumption of an Oil Palm Fruit Extract Promotes Large Bowel Health in Rats. Nutrients, 2020, 12, 644.	4.1	2
51	Oil Palm Genome: Strategies and Applications. Compendium of Plant Genomes, 2020, , 83-115.	0.5	2
52	A genetic platform for predicting and reducing non-tenera contamination in oil palm ( <i>Elaeis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tj 50 142 T	1.6	2
53	Omics—A Potential Tool for Oil Palm Improvement and Productivity. Compendium of Plant Genomes, 2020, , 141-157.	0.5	1
54	Acetyl-CoA Carboxylase Activity in the Oil Palm. , 1997, , 26-28.		1

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55	Modelling lipid biosynthesis pathways of oil palm by boolean and graphical approaches. , 2011, , .		0