

# Dhanansayan Shanmuganayagam

## List of Publications by Citations

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55  
papers

1,595  
citations

19  
h-index

39  
g-index

65  
ext. papers

1,883  
ext. citations

3.6  
avg, IF

4.42  
L-index

#	Paper	IF	Citations
55	Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1803-53	5.8	386
54	Caloric restriction and aging: studies in mice and monkeys. <i>Toxicologic Pathology</i> , <b>2009</b> , 37, 47-51	2.1	181
53	Grape juice but not orange or grapefruit juice inhibits platelet activity in dogs and monkeys. <i>Journal of Nutrition</i> , <b>1998</b> , 128, 2307-12	4.1	90
52	MODL-13. GENETICALLY ENGINEERED PIG MODEL OF RHABDOID TUMOR PREDISPOSITION SYNDROME-1. <i>Neuro-Oncology</i> , <b>2020</b> , 22, iii413-iii413	1	78
51	Grape seed and grape skin extracts elicit a greater antiplatelet effect when used in combination than when used individually in dogs and humans. <i>Journal of Nutrition</i> , <b>2002</b> , 132, 3592-8	4.1	66
50	Comparison of isolated cranberry ( <i>Vaccinium macrocarpon</i> Ait.) proanthocyanidins to catechin and procyanidins A2 and B2 for use as standards in the 4-(dimethylamino)cinnamaldehyde assay. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 4578-85	5.7	65
49	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. <i>Experimental Gerontology</i> , <b>2009</b> , 44, 356-62	4.5	64
48	Ratio of "A-type" to "B-type" proanthocyanidin interflavan bonds affects extra-intestinal pathogenic <i>Escherichia coli</i> invasion of gut epithelial cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3919-25	5.7	58
47	Cranberry proanthocyanidins improve the gut mucous layer morphology and function in mice receiving elemental enteral nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2013</b> , 37, 401-9	4.2	57
46	Concord grape juice attenuates platelet aggregation, serum cholesterol and development of atheroma in hypercholesterolemic rabbits. <i>Atherosclerosis</i> , <b>2007</b> , 190, 135-42	3.1	57
45	Parenteral nutrition decreases paneth cell function and intestinal bactericidal activity while increasing susceptibility to bacterial enteroinvasion. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2014</b> , 38, 817-824	4.2	46
44	Deconvolution of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry isotope patterns to determine ratios of A-type to B-type interflavan bonds in cranberry proanthocyanidins. <i>Food Chemistry</i> , <b>2012</b> , 135, 1485-93	8.5	46
43	Miniature Swine for Preclinical Modeling of Complexities of Human Disease for Translational Scientific Discovery and Accelerated Development of Therapies and Medical Devices. <i>Toxicologic Pathology</i> , <b>2016</b> , 44, 299-314	2.1	44
42	<i>Candida auris</i> Forms High-Burden Biofilms in Skin Niche Conditions and on Porcine Skin. <i>MSphere</i> , <b>2020</b> , 5,	5	33
41	Universal DNA methylation age across mammalian tissues		31
40	Cranberry proanthocyanidins improve intestinal sIgA during elemental enteral nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2014</b> , 38, 107-14	4.2	26
39	Translational Relevance of Swine Models of Spinal Cord Injury. <i>Journal of Neurotrauma</i> , <b>2017</b> , 34, 541-554	4.4	25

38	Measurement of regional choroidal blood flow in rabbits and monkeys using fluorescent microspheres. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 860-8		25
37	Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects. <i>OMICS A Journal of Integrative Biology</i> , <b>2018</b> , 22, 145-153	3.8	23
36	Development of Aortic Valve Disease in Familial Hypercholesterolemic Swine: Implications for Elucidating Disease Etiology. <i>Journal of the American Heart Association</i> , <b>2015</b> , 4, e002254	6	18
35	Critical reevaluation of the 4-(dimethylamino)cinnamaldehyde assay: Cranberry proanthocyanidin standard is superior to procyanidin A2 dimer for accurate quantification of proanthocyanidins in cranberry products. <i>Journal of Functional Foods</i> , <b>2016</b> , 22, 13-19	5.1	16
34	Supercritical fluid extraction (SFE) of cranberries does not extract oligomeric proanthocyanidins (PAC) but does alter the chromatography and bioactivity of PAC fractions extracted from SFE residues. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 7730-7	5.7	15
33	Differential effects of grape ( <i>Vitis vinifera</i> ) skin polyphenolics on human platelet aggregation and low-density lipoprotein oxidation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 5787-94	5.7	15
32	Plasma diacylglycerol composition is a biomarker of metabolic syndrome onset in rhesus monkeys. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1461-70	6.3	13
31	Parenteral nutrition increases susceptibility of ileum to invasion by E coli. <i>Journal of Surgical Research</i> , <b>2013</b> , 183, 583-91	2.5	13
30	A continuous fluorescence assay for the determination of calcium-dependent secretory phospholipase A2 activity in serum. <i>Clinica Chimica Acta</i> , <b>2007</b> , 379, 119-26	6.2	12
29	Antithrombotic properties of the thromboxane A2/prostaglandin H2 receptor antagonist S18886 on prevention of platelet-dependent cyclic flow reductions in dogs. <i>Journal of Cardiovascular Pharmacology</i> , <b>2005</b> , 45, 389-95	3.1	11
28	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity. <i>GeroScience</i> , <b>2021</b> , 43, 2467-2483	8.9	11
27	Comprehensive Characterization of Swine Cardiac Troponin T Proteoforms by Top-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 1284-1294	3.5	9
26	Imaging RAGE expression in atherosclerotic plaques in hyperlipidemic pigs. <i>EJNMMI Research</i> , <b>2014</b> , 4, 26	3.6	8
25	Displacement and strain estimation for evaluation of arterial wall stiffness using a familial hypercholesterolemia swine model of atherosclerosis. <i>Medical Physics</i> , <b>2012</b> , 39, 4483-92	4.4	7
24	Inhibition of platelet activity with red wine and grape products. <i>BioFactors</i> , <b>1997</b> , 6, 411-4	6.1	7
23	Effect of polyphenolic flavonoid compounds on platelets. <i>Methods in Enzymology</i> , <b>2001</b> , 335, 369-80	1.7	7
22	Comparative Morphometry of the Wisconsin Miniature Swine Thoracic Spine for Modeling Human Spine in Translational Spinal Cord Injury Research. <i>Annals of Neurosciences</i> , <b>2018</b> , 25, 210-218	1.1	6
21	Measurements of wall shear stress and aortic pulse wave velocity in swine with familial hypercholesterolemia. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 1475-85	5.6	5

20	Effect of prophylactic supplementation with grape polyphenolics on endotoxin-induced serum secretory phospholipase A2 activity in rats. <i>Comparative Medicine</i> , <b>2012</b> , 62, 271-8	1.6	5
19	Gene Expression Profiling of Valvular Interstitial Cells in Rapacz Familial Hypercholesterolemic Swine. <i>Genomics Data</i> , <b>2014</b> , 2, 261-263		3
18	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity		3
17	Presence of lipid oxidation products in swine diet lowers pork quality and stability during storage. <i>Meat Science</i> , <b>2020</b> , 160, 107946	6.4	3
16	Consumption of cranberry powder shifts urinary protein profile in healthy human subjects. <i>FASEB Journal</i> , <b>2013</b> , 27, 637.32	0.9	2
15	Validation of HPLC assay for the identification and quantification of anthocyanins in black currants. <i>Analytical Methods</i> , <b>2014</b> , 6, 8141-8147	3.2	1
14	Longitudinal Effects of Dietary Oxidized Lipids on the Gut Microbiome and Mycobiome in Pigs. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	1
13	A-type proanthocyanidins from cranberry inhibit the ability of extraintestinal pathogenic E. coli to invade gut epithelial cells and resist killing by macrophages. <i>FASEB Journal</i> , <b>2013</b> , 27, 637.16	0.9	1
12	Assessment of Mosaicism and Detection of Cryptic Alleles in CRISPR/Cas9-Engineered Neurofibromatosis Type 1 and Mutant Porcine Models Reveals Overlooked Challenges in Precision Modeling of Human Diseases. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 721045	4.5	1
11	Modeling Candida auris Colonization on Porcine Skin Ex Vivo. <i>Methods in Molecular Biology</i> , <b>2022</b> , 251-2584		1
10	Radiation-induced Hounsfield unit change correlates with dynamic CT perfusion better than 4DCT-based ventilation measures in a novel-swine model. <i>Scientific Reports</i> , <b>2021</b> , 11, 13156	4.9	0
9	Age- and Tissue-Specific Alternative Splicing of the Neurofibromin Gene in Swine. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
8	Effects of Lipid Oxidation Products Found in Used Restaurant Fryer Oils on Adipocyte Differentiation and Lipid Metabolism. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
7	Effect of Caloric Restriction on Metabolic Dysfunction of Young Rapacz Familial Hypercholesterolemic Swine (). <i>Comparative Medicine</i> , <b>2017</b> , 67, 508-517	1.6	
6	Optimized Induction of Neurospheres from Porcine Mesenchymal Stem Cells. <i>FASEB Journal</i> , <b>2018</b> , 32, 615.6	0.9	
5	Modified HPLC method for detection of hydroxyoctadecadienoic acid with greater sensitivity. <i>FASEB Journal</i> , <b>2018</b> , 32, 540.9	0.9	
4	Tissue Specific Expression of Neurofibromin Isoforms in Swine. <i>FASEB Journal</i> , <b>2019</b> , 33, 595.7	0.9	
3	Methodology for Efficient and Biosecure Genetic Engineering of Biomedical Swine Models. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	

- 2 A Perspective on the Delivery of Renal Denervation Therapy Based on Pre-Clinical Data. *JACC Basic To Translational Science*, **2016**, 1, 288-295 8.7
- 1 Brachial plexus anatomy in the miniature swine as compared to human. *Journal of Anatomy*, **2022**, 240, 172-181 2.9