

Dhanansayan Shanmuganayagam

List of Publications by Year in descending order

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60
papers

2,038
citations

393982

19
h-index

253896

43
g-index

65
all docs

65
docs citations

65
times ranked

3336
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update. Archives of Toxicology, 2014, 88, 1803-1853.	1.9	472
2	Caloric Restriction and Aging: Studies in Mice and Monkeys. Toxicologic Pathology, 2009, 37, 47-51.	0.9	224
3	Grape Juice but Not Orange or Grapefruit Juice Inhibits Platelet Activity in Dogs and Monkeys (Macaca Tj ETQq1 1 0.784314 1.3 116 BT /Over	1.3	83
4	Grape Seed and Grape Skin Extracts Elicit a Greater Antiplatelet Effect When Used in Combination than When Used Individually in Dogs and Humans. Journal of Nutrition, 2002, 132, 3592-3598.	1.3	83
5	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. Journal of Agricultural and Food Chemistry, 2012, 60, 4578-4585.	2.4	80
6	<i>Candida auris</i> Forms High-Burden Biofilms in Skin Niche Conditions and on Porcine Skin. MSphere, 2020, 5, .	1.3	80
7	Ratio of A-type to B-type Proanthocyanidin Interflavan Bonds Affects Extra-intestinal Pathogenic <i>Escherichia coli</i> Invasion of Gut Epithelial Cells. Journal of Agricultural and Food Chemistry, 2014, 62, 3919-3925.	2.4	74
8	Miniature Swine for Preclinical Modeling of Complexities of Human Disease for Translational Scientific Discovery and Accelerated Development of Therapies and Medical Devices. Toxicologic Pathology, 2016, 44, 299-314.	0.9	73
9	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. Experimental Gerontology, 2009, 44, 356-362.	1.2	70
10	Cranberry Proanthocyanidins Improve the Gut Mucous Layer Morphology and Function in Mice Receiving Elemental Enteral Nutrition. Journal of Parenteral and Enteral Nutrition, 2013, 37, 401-409.	1.3	69
11	Concord grape juice attenuates platelet aggregation, serum cholesterol and development of atheroma in hypercholesterolemic rabbits. Atherosclerosis, 2007, 190, 135-142.	0.4	65
12	Parenteral Nutrition Decreases Paneth Cell Function and Intestinal Bactericidal Activity While Increasing Susceptibility to Bacterial Enteroinvasion. Journal of Parenteral and Enteral Nutrition, 2014, 38, 817-824.	1.3	59
13	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. Food Chemistry, 2012, 135, 1485-1493.	4.2	51
14	Translational Relevance of Swine Models of Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 541-551.	1.7	41
15	Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects. OMICS A Journal of Integrative Biology, 2018, 22, 145-153.	1.0	34
16	Cranberry Proanthocyanidins Improve Intestinal sIgA During Elemental Enteral Nutrition. Journal of Parenteral and Enteral Nutrition, 2014, 38, 107-114.	1.3	32
17	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity. GeroScience, 2021, 43, 2467-2483.	2.1	27
18	Measurement of Regional Choroidal Blood Flow in Rabbits and Monkeys Using Fluorescent Microspheres. JAMA Ophthalmology, 2006, 124, 860.	2.6	26

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19	Development of Aortic Valve Disease in Familial Hypercholesterolemic Swine: Implications for Elucidating Disease Etiology. <i>Journal of the American Heart Association</i> , 2015, 4, e002254.	1.6	21
20	Plasma diacylglycerol composition is a biomarker of metabolic syndrome onset in rhesus monkeys. <i>Journal of Lipid Research</i> , 2015, 56, 1461-1470.	2.0	19
21	Parenteral nutrition increases susceptibility of ileum to invasion by E coli. <i>Journal of Surgical Research</i> , 2013, 183, 583-591.	0.8	18
22	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> , 2016, 22, 13-19.	1.6	17
23	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> , 2012, 60, 5787-5794.	2.4	16
24	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> , 2014, 62, 7730-7737.	2.4	16
25	Augmenting the Activity of Chlorhexidine for Decolonization of <i>Candida auris</i> from Porcine skin. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 804.	1.5	16
26	Staging Liver Fibrosis by Fibroblast Activation Protein Inhibitor PET in a Human-Sized Swine Model. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1956-1961.	2.8	16
27	Comprehensive Characterization of Swine Cardiac Troponin T Proteoforms by Top-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1284-1294.	1.2	15
28	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> , 2005, 45, 389-395.	0.8	14
29	A continuous fluorescence assay for the determination of calcium-dependent secretory phospholipase A2 activity in serum. <i>Clinica Chimica Acta</i> , 2007, 379, 119-126.	0.5	14
30	Comparative Morphometry of the Wisconsin Miniature Swine &sup>TM</sup> Thoracic Spine for Modeling Human Spine in Translational Spinal Cord Injury Research. <i>Annals of Neurosciences</i> , 2018, 25, 210-218.	0.9	12
31	Imaging RAGE expression in atherosclerotic plaques in hyperlipidemic pigs. <i>EJNMMI Research</i> , 2014, 4, 26.	1.1	11
32	Displacement and strain estimation for evaluation of arterial wall stiffness using a familial hypercholesterolemia swine model of atherosclerosis. <i>Medical Physics</i> , 2012, 39, 4483-4492.	1.6	10
33	Measurements of wall shear stress and aortic pulse wave velocity in swine with familial hypercholesterolemia. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1475-1485.	1.9	9
34	Inhibition of platelet activity with red wine and grape products. <i>BioFactors</i> , 1997, 6, 411-414.	2.6	7
35	Effect of polyphenolic flavonoid compounds on platelets. <i>Methods in Enzymology</i> , 2001, 335, 369-380.	0.4	7
36	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> , 2021, 11, 13156.	1.6	7

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37	Radiation-induced airway changes and downstream ventilation decline in a swine model. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 065039.	0.6	7
38	Assessment of Mosaicism and Detection of Cryptic Alleles in CRISPR/Cas9-Engineered Neurofibromatosis Type 1 and TP53 Mutant Porcine Models Reveals Overlooked Challenges in Precision Modeling of Human Diseases. <i>Frontiers in Genetics</i> , 2021, 12, 721045.	1.1	5
39	Effect of prophylactic supplementation with grape polyphenolics on endotoxin-induced serum secretory phospholipase A2 activity in rats. <i>Comparative Medicine</i> , 2012, 62, 271-8.	0.4	5
40	Validation of HPLC assay for the identification and quantification of anthocyanins in black currants. <i>Analytical Methods</i> , 2014, 6, 8141-8147.	1.3	4
41	Presence of lipid oxidation products in swine diet lowers pork quality and stability during storage. <i>Meat Science</i> , 2020, 160, 107946.	2.7	4
42	Gene expression profiling of valvular interstitial cells in Rapacz familial hypercholesterolemic swine. <i>Genomics Data</i> , 2014, 2, 261-263.	1.3	3
43	Brachial plexus anatomy in the miniature swine as compared to human. <i>Journal of Anatomy</i> , 2022, 240, 172-181.	0.9	3
44	Consumption of cranberry powder shifts urinary protein profile in healthy human subjects. <i>FASEB Journal</i> , 2013, 27, 637.32.	0.2	2
45	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> , 2013, 27, 637.16.	0.2	1
46	Longitudinal Effects of Dietary Oxidized Lipids on the Gut Microbiome and Mycobiome in Pigs. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
47	TCT-815 Positive Vascular Remodeling and Plaque Vulnerability: Biological Insights from the Novel Familial Hypercholesterolemic Swine Model of Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2013, 62, B247.	1.2	0
48	TCT-841 Combined Coronary Artery Imaging for Plaque Characterization in Preclinical Studies: An OCT-IVUS-Histological Study of the Familial Hypercholesterolemic Swine Model. <i>Journal of the American College of Cardiology</i> , 2016, 68, B340.	1.2	0
49	A Perspective on the Delivery of Renal Denervation Therapy Based on Pre-Clinical Data. <i>JACC Basic To Translational Science</i> , 2016, 1, 288-295.	1.9	0
50	Editorial: "Humanized" Large Animal Cancer Models: Accelerating Time and Effectiveness of Clinical Trials. <i>Frontiers in Oncology</i> , 2019, 9, 793.	1.3	0
51	Reproducible infusions into the Wisconsin Miniature Swine's spinal cord: A platform for development of therapy delivery devices. <i>Medical Research and Innovations</i> , 2018, 2, .	0.1	0
52	Effects of Prepubertal Oxidized Dietary Fat Consumption on Body Weight, Adiposity and Adipose Distribution in A Swine Model.. <i>FASEB Journal</i> , 2018, 32, .	0.2	0
53	Optimized Induction of Neurospheres from Porcine Mesenchymal Stem Cells. <i>FASEB Journal</i> , 2018, 32, 615.6.	0.2	0
54	Modified HPLC method for detection of hydroxyoctadecadienoic acid with greater sensitivity. <i>FASEB Journal</i> , 2018, 32, 540.9.	0.2	0

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55	Tissue Specific Expression of Neurofibromin Isoforms in Swine. FASEB Journal, 2019, 33, 595.7.	0.2	0
56	Methodology for Efficient and Biosecure Genetic Engineering of Biomedical Swine Models. FASEB Journal, 2020, 34, 1-1.	0.2	0
57	MODL-13. GENETICALLY ENGINEERED PIG MODEL OF RHABDOID TUMOR PREDISPOSITION SYNDROME-1. Neuro-Oncology, 2020, 22, iii413-iii413.	0.6	0
58	Age- and Tissue-Specific Alternative Splicing of the Neurofibromin Gene in Swine. FASEB Journal, 2020, 34, 1-1.	0.2	0
59	Effects of Lipid Oxidation Products Found in Used Restaurant Fryer Oils on Adipocyte Differentiation and Lipid Metabolism. FASEB Journal, 2020, 34, 1-1.	0.2	0
60	Effect of Caloric Restriction on Metabolic Dysfunction of Young Rapacz Familial Hypercholesterolemic Swine (). Comparative Medicine, 2017, 67, 508-517.	0.4	0