

Dhanansayan Shanmuganayagam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6645708/publications.pdf>

Version: 2024-02-01

60
papers

2,038
citations

394421

19
h-index

254184

43
g-index

65
all docs

65
docs citations

65
times ranked

3336
citing authors

#	ARTICLE	IF	CITATIONS
1	Brachial plexus anatomy in the miniature swine as compared to human. <i>Journal of Anatomy</i> , 2022, 240, 172-181.	1.5	3
2	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.	5.0	16
3	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.	3.3	7
4	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity. <i>GeroScience</i> , 2021, 43, 2467-2483.	4.6	27
5	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.	3.5	16
6	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.	2.3	5
7	Radiation-induced airway changes and downstream ventilation decline in a swine model. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 065039.	1.2	7
8	Presence of lipid oxidation products in swine diet lowers pork quality and stability during storage. <i>Meat Science</i> , 2020, 160, 107946.	5.5	4
9	<i>Candida auris</i> Forms High-Burden Biofilms in Skin Niche Conditions and on Porcine Skin. <i>MSphere</i> , 2020, 5, .	2.9	80
10	Methodology for Efficient and Biosecure Genetic Engineering of Biomedical Swine Models. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
11	Longitudinal Effects of Dietary Oxidized Lipids on the Gut Microbiome and Mycobiome in Pigs. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
12	MODL-13. GENETICALLY ENGINEERED PIG MODEL OF RHABDOID TUMOR PREDISPOSITION SYNDROME-1. <i>Neuro-Oncology</i> , 2020, 22, iii413-iii413.	1.2	0
13	Age- and Tissue-specific Alternative Splicing of the Neurofibromin Gene in Swine. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
14	Effects of Lipid Oxidation Products Found in Used Restaurant Fryer Oils on Adipocyte Differentiation and Lipid Metabolism. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
15	Editorial: "Humanized" Large Animal Cancer Models: Accelerating Time and Effectiveness of Clinical Trials. <i>Frontiers in Oncology</i> , 2019, 9, 793.	2.8	0
16	Tissue Specific Expression of Neurofibromin Isoforms in Swine. <i>FASEB Journal</i> , 2019, 33, 595.7.	0.5	0
17	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.	2.8	15
18	Effect of Sweetened Dried Cranberry Consumption on Urinary Proteome and Fecal Microbiome in Healthy Human Subjects. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 145-153.	2.0	34

#	ARTICLE	IF	CITATIONS
19	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.	1.7	12
20	Reproducible infusions into the Wisconsin Miniature Swine ^{&sup>} spinal cord: A platform for development of therapy delivery devices. <i>Medical Research and Innovations</i> , 2018, 2, .	0.1	0
21	Effects of Prepubertal Oxidized Dietary Fat Consumption on Body Weight, Adiposity and Adipose Distribution in A Swine Model.. <i>FASEB Journal</i> , 2018, 32, .	0.5	0
22	Optimized Induction of Neurospheres from Porcine Mesenchymal Stem Cells. <i>FASEB Journal</i> , 2018, 32, 615.6.	0.5	0
23	Modified HPLC method for detection of hydroxyoctadecadienoic acid with greater sensitivity. <i>FASEB Journal</i> , 2018, 32, 540.9.	0.5	0
24	Translational Relevance of Swine Models of Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 541-551.	3.4	41
25	Effect of Caloric Restriction on Metabolic Dysfunction of Young Rapacz Familial Hypercholesterolemic Swine (). <i>Comparative Medicine</i> , 2017, 67, 508-517.	1.0	0
26	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.	2.8	0
27	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.	4.1	0
28	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> , 2016, 44, 299-314.	1.8	73
29	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.	3.4	17
30	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.	3.7	21
31	Plasma diacylglycerol composition is a biomarker of metabolic syndrome onset in rhesus monkeys. <i>Journal of Lipid Research</i> , 2015, 56, 1461-1470.	4.2	19
32	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.	3.4	9
33	Cranberry Proanthocyanidins Improve Intestinal sIgA During Elemental Enteral Nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , 2014, 38, 107-114.	2.6	32
34	Gene expression profiling of valvular interstitial cells in Rapacz familial hypercholesterolemic swine. <i>Genomics Data</i> , 2014, 2, 261-263.	1.3	3
35	Parenteral Nutrition Decreases Paneth Cell Function and Intestinal Bactericidal Activity While Increasing Susceptibility to Bacterial Enteroinvasion. <i>Journal of Parenteral and Enteral Nutrition</i> , 2014, 38, 817-824.	2.6	59
36	Ratio of α -A-type to β -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> , 2014, 62, 3919-3925.	5.2	74

#	ARTICLE	IF	CITATIONS
37	Validation of HPLC assay for the identification and quantification of anthocyanins in black currants. <i>Analytical Methods</i> , 2014, 6, 8141-8147.	2.7	4
38	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.	5.2	16
39	Imaging RAGE expression in atherosclerotic plaques in hyperlipidemic pigs. <i>EJNMMI Research</i> , 2014, 4, 26.	2.5	11
40	Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update. <i>Archives of Toxicology</i> , 2014, 88, 1803-1853.	4.2	472
41	Parenteral nutrition increases susceptibility of ileum to invasion by E coli. <i>Journal of Surgical Research</i> , 2013, 183, 583-591.	1.6	18
42	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.	2.8	0
43	Cranberry Proanthocyanidins Improve the Gut Mucous Layer Morphology and Function in Mice Receiving Elemental Enteral Nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , 2013, 37, 401-409.	2.6	69
44	Consumption of cranberry powder shifts urinary protein profile in healthy human subjects. <i>FASEB Journal</i> , 2013, 27, 637.32.	0.5	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.	0.5	1
46	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.	3.0	10
47	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> , 2012, 135, 1485-1493.	8.2	51
48	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> , 2012, 60, 4578-4585.	5.2	80
49	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.	5.2	16
50	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.	1.0	5
51	Metabolic shifts due to long-term caloric restriction revealed in nonhuman primates. <i>Experimental Gerontology</i> , 2009, 44, 356-362.	2.8	70
52	Caloric Restriction and Aging: Studies in Mice and Monkeys. <i>Toxicologic Pathology</i> , 2009, 37, 47-51.	1.8	224
53	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.	1.1	14
54	Concord grape juice attenuates platelet aggregation, serum cholesterol and development of atheroma in hypercholesterolemic rabbits. <i>Atherosclerosis</i> , 2007, 190, 135-142.	0.8	65

#	ARTICLE	IF	CITATIONS
55	Measurement of Regional Choroidal Blood Flow in Rabbits and Monkeys Using Fluorescent Microspheres. JAMA Ophthalmology, 2006, 124, 860.	2.4	26
56	Antithrombotic Properties of the Thromboxane A2/Prostaglandin H2 Receptor Antagonist S18886 on Prevention of Platelet-Dependent Cyclic Flow Reductions in Dogs. Journal of Cardiovascular Pharmacology, 2005, 45, 389-395.	1.9	14
57	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.	2.9	83
58	Effect of polyphenolic flavonoid compounds on platelets. Methods in Enzymology, 2001, 335, 369-380.	1.0	7
59	Grape Juice but Not Orange or Grapefruit Juice Inhibits Platelet Activity in Dogs and Monkeys (Macaca) Tj ETQq1 1 0.784314 1gBT /Over 116	2.9	14
60	Inhibition of platelet activity with red wine and grape products. BioFactors, 1997, 6, 411-414.	5.4	7