

Markandeya Jois

List of Publications by Year in descending order

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58
papers

2,477
citations

430874

18
h-index

197818

49
g-index

59
all docs

59
docs citations

59
times ranked

4407
citing authors

#	ARTICLE	IF	CITATIONS
1	ExoCarta: A Web-Based Compendium of Exosomal Cargo. <i>Journal of Molecular Biology</i> , 2016, 428, 688-692.	4.2	1,034
2	Green tea, black tea, and epigallocatechin modify body composition, improve glucose tolerance, and differentially alter metabolic gene expression in rats fed a high-fat diet. <i>Nutrition Research</i> , 2009, 29, 784-793.	2.9	185
3	Mice lacking angiotensin-converting enzyme have increased energy expenditure, with reduced fat mass and improved glucose clearance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6531-6536.	7.1	162
4	Bovine milk-derived exosomes from colostrum are enriched with proteins implicated in immune response and growth. <i>Scientific Reports</i> , 2017, 7, 5933.	3.3	139
5	The polymorphisms of UCP2 and UCP3 genes associated with fat metabolism, obesity and diabetes. <i>Obesity Reviews</i> , 2009, 10, 519-526.	6.5	110
6	Angiotensin converting enzyme inhibition lowers body weight and improves glucose tolerance in C57BL/6J mice maintained on a high fat diet. <i>Physiology and Behavior</i> , 2009, 98, 192-197.	2.1	87
7	The polymorphisms of UCP1 genes associated with fat metabolism, obesity and diabetes. <i>Molecular Biology Reports</i> , 2010, 37, 1513-1522.	2.3	84
8	Oral administration of bovine milk-derived extracellular vesicles induces senescence in the primary tumor but accelerates cancer metastasis. <i>Nature Communications</i> , 2021, 12, 3950.	12.8	70
9	Effects of Exogenous Growth Hormone on Milk Production and Nutrient Uptake by Muscle and Mammary Tissues of Dairy Cows in Mid-lactation. <i>Australian Journal of Biological Sciences</i> , 1987, 40, 295.	0.5	66
10	Consumption of brown onions (<i>Allium cepa</i> var. <i>cavalier</i> and var. <i>destiny</i>) moderately modulates blood lipids, haematological and haemostatic variables in healthy pigs. <i>British Journal of Nutrition</i> , 2004, 91, 211-218.	2.3	47
11	Angiotensin-converting enzyme inhibition reverses diet-induced obesity, insulin resistance and inflammation in C57BL/6J mice. <i>International Journal of Obesity</i> , 2012, 36, 233-243.	3.4	46
12	Quinoa Seed Lowers Serum Triglycerides in Overweight and Obese Subjects: A Dose-Response Randomized Controlled Clinical Trial. <i>Current Developments in Nutrition</i> , 2017, 1, e001321.	0.3	38
13	Hypertension induced by 3 polyunsaturated fatty acid deficiency is alleviated by \pm -linolenic acid regardless of dietary source. <i>Hypertension Research</i> , 2010, 33, 808-813.	2.7	35
14	Growth of <i>Caenorhabditis elegans</i> in Defined Media Is Dependent on Presence of Particulate Matter. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 567-575.	1.8	27
15	Regulation of Hepatic Glycine Catabolism by Glucagon. <i>Journal of Biological Chemistry</i> , 1989, 264, 3347-3351.	3.4	27
16	Regulation of hepatic glycine catabolism by glucagon. <i>Journal of Biological Chemistry</i> , 1989, 264, 3347-51.	3.4	23
17	Dietary Protein Level Interacts With 3 Polyunsaturated Fatty Acid Deficiency to Induce Hypertension. <i>American Journal of Hypertension</i> , 2010, 23, 125-128.	2.0	21
18	Dietary Onion Intake as Part of a Typical High Fat Diet Improves Indices of Cardiovascular Health Using The Mixed Sex Pig Model. <i>Plant Foods for Human Nutrition</i> , 2006, 61, 179-185.	3.2	19

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19	Consumption of raw brown onions variably modulate plasma lipid profile and lipoprotein oxidation in pigs fed a high-fat diet. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 154-160.	3.5	18
20	Classification and prediction of toxicity of chemicals using an automated phenotypic profiling of <i>Caenorhabditis elegans</i> . <i>BMC Pharmacology & Toxicology</i> , 2018, 19, 18.	2.4	18
21	Stimulation of glycine catabolism in isolated perfused rat liver by calcium mobilizing hormones and in isolated rat liver mitochondria by submicromolar concentrations of calcium. <i>Journal of Biological Chemistry</i> , 1990, 265, 1246-8.	3.4	17
22	Cell signalling and the hormonal stimulation of the hepatic glycine cleavage enzyme system by glucagon. <i>Biochemical Journal</i> , 1998, 330, 759-763.	3.7	15
23	Rapid stimulation of the hepatic glycine-cleavage system in rats fed on a single high-protein meal. <i>Biochemical Journal</i> , 1992, 283, 441-447.	3.7	14
24	Regulation of myostatin expression is associated with growth and muscle development in commercial broiler and DMC muscle. <i>Molecular Biology Reports</i> , 2018, 45, 511-522.	2.3	14
25	Serum zonulin measured by enzyme-linked immunosorbent assay may not be a reliable marker of small intestinal permeability in healthy adults. <i>Nutrition Research</i> , 2020, 78, 82-92.	2.9	14
26	Regulation of glycine catabolism in rat liver mitochondria. <i>Biochemical Journal</i> , 1992, 283, 435-439.	3.7	12
27	1 α -Sarcosine α -angiotensin II infusion effects on food intake, weight loss, energy expenditure, and skeletal muscle UCP3 gene expression in a rat model. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2014, 5, 239-246.	7.3	11
28	Effects of herbs and spices on blood pressure. <i>Journal of Hypertension</i> , 2019, 37, 671-679.	0.5	11
29	Uptake and metabolism of propionate in the liver isolated from sheep treated with glucagon. <i>British Journal of Nutrition</i> , 1997, 77, 783-793.	2.3	10
30	Determination of maternal pedigree and ewe α -lamb spatial relationships by application of Bluetooth technology in extensive farming systems. <i>Journal of Animal Science</i> , 2017, 95, 5145-5150.	0.5	9
31	Cocoa improves age-associated health and extends lifespan in <i>C. elegans</i> . <i>Nutrition and Healthy Aging</i> , 2021, 6, 73-86.	1.1	9
32	Potential contributions of the methodology to the variability of glycaemic index of foods. <i>World Journal of Diabetes</i> , 2021, 12, 108-123.	3.5	7
33	Metabolic and behavioral effects of olanzapine and fluoxetine on the model organism <i>Caenorhabditis elegans</i> . <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 917-929.	2.7	7
34	Inhibition of the Renin-Angiotensin System Reduces Gene Expression of Inflammatory Mediators in Adipose Tissue Independent of Energy Balance. <i>Frontiers in Endocrinology</i> , 2021, 12, 682726.	3.5	6
35	Flux through glycine cleavage system in isolated hepatocytes: effects of glucagon, cAMP, and calcium. <i>Biochemistry and Cell Biology</i> , 1990, 68, 543-546.	2.0	5
36	Effect of Crossbreed on the Muscle Quality (Chemical Composition) in Yun-Ling Black Goats. <i>Agricultural Sciences in China</i> , 2009, 8, 108-114.	0.6	5

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37	Segmenting Microscopy Images of Multi-Well Plates Based on Image Contrast. <i>Microscopy and Microanalysis</i> , 2017, 23, 932-937.	0.4	5
38	A High-throughput Assay for the Prediction of Chemical Toxicity by Automated Phenotypic Profiling of <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
39	Determination of ewe behaviour around lambing time and prediction of parturition 7 days prior to lambing by tri-axial accelerometer sensors in an extensive farming system. <i>Animal Production Science</i> , 2022, 62, 1729-1738.	1.3	5
40	Tissue expression of uncoupling proteins in piglets given a low protein diet: a role for UCP2 and UCP3 in diet-induced thermogenesis. <i>Animal Science</i> , 2005, 81, 283-287.	1.3	4
41	Spatially and temporally variable urinary N loads deposited by lactating cows on a grazing system dairy farm. <i>Journal of Environmental Management</i> , 2018, 215, 166-176.	7.8	4
42	Factors affecting self-medication practices among people living with type 2 diabetes in India- A systematic review. <i>Metabolism Open</i> , 2021, 9, 100073.	2.9	4
43	Effects of culinary herbs and spices on obesity: A systematic literature review of clinical trials. <i>Journal of Functional Foods</i> , 2021, 81, 104449.	3.4	4
44	The anti-obesity effects of EGCG in relation to oxidative stress and air-pollution in China. <i>Natural Products and Bioprospecting</i> , 2013, 3, 256-266.	4.3	3
45	Comparison and analysis of Wuding and avian chicken skeletal muscle satellite cells. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.2	3
46	Early Exposure is Necessary for the Lifespan Extension Effects of Cocoa in <i>C. elegans</i> . <i>Nutrition and Metabolic Insights</i> , 2021, 14, 117863882110294.	1.9	3
47	Prevention of diet-induced obesity in C57BL/BJ mice with addition of 2% dietary green tea but not with cocoa or coffee to a high-fat diet. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2013, 6, 233-238.	0.5	2
48	Rapid induction of vitamin B12 deficiency in <i>Caenorhabditis elegans</i> cultured in axenic medium. <i>Journal of Nutrition & Intermediary Metabolism</i> , 2018, 13, 20-25.	1.7	2
49	The Effect of Mianserin on Lifespan of <i>Caenorhabditis elegans</i> is Abolished by Glucose. <i>Current Aging Science</i> , 2021, 14, 118-123.	1.2	2
50	The bush coconut (scale insect gall) as food at Kiwirrkurra, Western Australia. <i>Journal of Insects As Food and Feed</i> , 2016, 2, 293-299.	3.9	2
51	Serine Synthesis by the Rat Kidney. <i>Contributions To Nephrology</i> , 1988, 63, 136-140.	1.1	1
52	The β -adrenergic agonist (BRL35135A) acutely increases oxygen consumption and plasma intermediate metabolites in sheep. <i>Animal Production Science</i> , 2011, 51, 881.	1.3	1
53	The β -adrenergic agonist (BRL35135A) improves feed efficiency and decreases visceral but not subcutaneous fat in lambs. <i>Small Ruminant Research</i> , 2013, 109, 128-132.	1.2	1
54	Polyphenol Rich Sugarcane Extract Reduces Body Weight in C57/BL6J Mice Fed a High Fat, High Carbohydrate Diet. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5163.	2.5	1

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55	Hormonal regulation of hepatic glycine oxidation. Australian Journal of Agricultural Research, 1993, 44, 473.	1.5	1
56	Feeding a natural plant extract affects growth performance in beef cattle. Journal of Animal and Feed Sciences, 2007, 16, 586-591.	1.1	1
57	Prevention of diet-induced obesity in C57BL/BJ mice with addition of 2 % dietary green tea but not with cocoa or coffee to a high-fat diet. Mediterranean Journal of Nutrition and Metabolism, 2013, 6, 233-238.	0.5	0
58	Use of a sensitive multisugar test for measuring segmental intestinal permeability in critically ill, mechanically ventilated adults: A pilot study. Journal of Parenteral and Enteral Nutrition, 2021, , .	2.6	0