

Dragan Milenkovic

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

5,068
citations

101384

36
h-index

88477

70
g-index

82
all docs

82
docs citations

82
times ranked

7380
citing authors

#	ARTICLE	IF	CITATIONS
1	A mutation creating a potential illegitimate microRNA target site in the myostatin gene affects muscularity in sheep. <i>Nature Genetics</i> , 2006, 38, 813-818.	9.4	1,125
2	Hesperidin contributes to the vascular protective effects of orange juice: a randomized crossover study in healthy volunteers. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 73-80.	2.2	367
3	miRNA as molecular target of polyphenols underlying their biological effects. <i>Free Radical Biology and Medicine</i> , 2013, 64, 40-51.	1.3	184
4	Addressing the inter-individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600557.	1.5	179
5	Anthocyanins: From Sources and Bioavailability to Cardiovascular-Health Benefits and Molecular Mechanisms of Action. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1771-1783.	2.4	176
6	Citrus Flavanones: What Is Their Role in Cardiovascular Protection?. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8809-8822.	2.4	175
7	Modulation of miRNA Expression by Dietary Polyphenols in apoE Deficient Mice: A New Mechanism of the Action of Polyphenols. <i>PLoS ONE</i> , 2012, 7, e29837.	1.1	147
8	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , 2018, 42, 40-55.	5.0	136
9	Naringin, the major grapefruit flavonoid, specifically affects atherosclerosis development in diet-induced hypercholesterolemia in mice. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 469-477.	1.9	125
10	Amino acid limitation regulates the expression of genes involved in several specific biological processes through GCN2-dependent and GCN2-independent pathways. <i>FEBS Journal</i> , 2009, 276, 707-718.	2.2	111
11	Impact of Flavonols on Cardiometabolic Biomarkers: A Meta-Analysis of Randomized Controlled Human Trials to Explore the Role of Inter-individual Variability. <i>Nutrients</i> , 2017, 9, 117.	1.7	111
12	Hesperidin Displays Relevant Role in the Nutrigenomic Effect of Orange Juice on Blood Leukocytes in Human Volunteers: A Randomized Controlled Cross-Over Study. <i>PLoS ONE</i> , 2011, 6, e26669.	1.1	98
13	Circulating Anthocyanin Metabolites Mediate Vascular Benefits of Blueberries: Insights From Randomized Controlled Trials, Metabolomics, and Nutrigenomics. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 967-976.	1.7	93
14	Catechin reduces atherosclerotic lesion development in apo E-deficient mice: A transcriptomic study. <i>Atherosclerosis</i> , 2009, 204, e21-e27.	0.4	92
15	Bilberry anthocyanin-rich extract alters expression of genes related to atherosclerosis development in aorta of apo E-deficient mice. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2012, 22, 72-80.	1.1	87
16	Cytogenetic localization of 136 genes in the horse: comparative mapping with the human genome. <i>Mammalian Genome</i> , 2002, 13, 524-534.	1.0	82
17	Interindividual Variability in Biomarkers of Cardiometabolic Health after Consumption of Major Plant-Food Bioactive Compounds and the Determinants Involved. <i>Advances in Nutrition</i> , 2017, 8, 558-570.	2.9	79
18	Proteomic analysis of ovine muscle hypertrophy1. <i>Journal of Animal Science</i> , 2006, 84, 3266-3276.	0.2	78

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19	Dietary curcumin inhibits atherosclerosis by affecting the expression of genes involved in leukocyte adhesion and transendothelial migration. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1270-1281.	1.5	78
20	Flavanones protect from arterial stiffness in postmenopausal women consuming grapefruit juice for 6 mo: a randomized, controlled, crossover trial. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 66-74.	2.2	72
21	Flavanone metabolites decrease monocyte adhesion to TNF- α -activated endothelial cells by modulating expression of atherosclerosis-related genes. <i>British Journal of Nutrition</i> , 2013, 110, 587-598.	1.2	67
22	Polyphenols in human nutrition: from the <i>in vitro</i> antioxidant capacity to the beneficial effects on cardiometabolic health and related inter-individual variability – an overview and perspective. <i>British Journal of Nutrition</i> , 2020, 123, 241-254.	1.2	65
23	Citrus flavanones naringenin and hesperetin improve antioxidant status and membrane lipid compositions in the liver of old-aged Wistar rats. <i>Experimental Gerontology</i> , 2016, 84, 49-60.	1.2	62
24	Flavanol metabolites reduce monocyte adhesion to endothelial cells through modulation of expression of genes via p38-MAPK and p65-NF- κ B pathways. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1016-1027.	1.5	59
25	Apple Polyphenols and Fibers Attenuate Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5558-5563.	2.4	55
26	The regular consumption of a polyphenol-rich apple does not influence endothelial function: a randomised double-blind trial in hypercholesterolemic adults. <i>European Journal of Clinical Nutrition</i> , 2010, 64, 1158-1165.	1.3	55
27	Nutritional aspects of metabolic inflammation in relation to health – insights from transcriptomic biomarkers in PBMC of fatty acids and polyphenols. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1708-1720.	1.5	55
28	Nutrigenomic analysis of the protective effects of bilberry anthocyanin-rich extract in apo E-deficient mice. <i>Genes and Nutrition</i> , 2010, 5, 343-353.	1.2	54
29	Anthocyanins and their gut metabolites reduce the adhesion of monocyte to TNF- α -activated endothelial cells at physiologically relevant concentrations. <i>Archives of Biochemistry and Biophysics</i> , 2016, 599, 51-59.	1.4	54
30	Dietary Flavanols Modulate the Transcription of Genes Associated with Cardiovascular Pathology without Changes in Their DNA Methylation State. <i>PLoS ONE</i> , 2014, 9, e95527.	1.1	49
31	Microbiota modulation and effects on metabolic biomarkers by orange juice: a controlled clinical trial. <i>Food and Function</i> , 2020, 11, 1599-1610.	2.1	48
32	Polymorphic Polymorphic MicroRNA-Target Interactions: A Novel Source of Phenotypic Variation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 343-350.	2.0	46
33	In silico analysis of antidiabetic potential of phenolic compounds from blue corn (<i>Zea mays</i> L.) and black bean (<i>Phaseolus vulgaris</i> L.). <i>Heliyon</i> , 2020, 6, e03632.	1.4	42
34	Differential expression of sarcoplasmic proteins in four heterogeneous ovine skeletal muscles. <i>Proteomics</i> , 2007, 7, 271-280.	1.3	41
35	Anthocyanins and their gut metabolites attenuate monocyte adhesion and transendothelial migration through nutrigenomic mechanisms regulating endothelial cell permeability. <i>Free Radical Biology and Medicine</i> , 2018, 124, 364-379.	1.3	40
36	Factors influencing the cardiometabolic response to (poly)phenols and phytosterols: a review of the COST Action POSITIVE activities. <i>European Journal of Nutrition</i> , 2019, 58, 37-47.	1.8	39

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37	Atheroprotective Effects of Bilberry Extracts in Apo E-Deficient Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11106-11111.	2.4	36
38	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. <i>Proceedings of the Nutrition Society</i> , 2020, 79, 225-235.	0.4	36
39	Substantial Variability Across Individuals in the Vascular and Nutrigenomic Response to an Acute Intake of Curcumin: A Randomized Controlled Trial. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700418.	1.5	35
40	Curcumin modulates endothelial permeability and monocyte transendothelial migration by affecting endothelial cell dynamics. <i>Free Radical Biology and Medicine</i> , 2017, 112, 109-120.	1.3	34
41	A systems biology network analysis of nutri(epi)genomic changes in endothelial cells exposed to epicatechin metabolites. <i>Scientific Reports</i> , 2018, 8, 15487.	1.6	31
42	(âˆ™)-Epicatechin metabolites promote vascular health through epigenetic reprogramming of endothelial-immune cell signaling and reversing systemic low-grade inflammation. <i>Biochemical Pharmacology</i> , 2020, 173, 113699.	2.0	29
43	An update on the role of nutrigenomic modulations in mediating the cardiovascular protective effect of fruit polyphenols. <i>Food and Function</i> , 2016, 7, 3656-3676.	2.1	27
44	Effects of anthocyanins and their gut metabolites on adenosine diphosphate-induced platelet activation and their aggregation with monocytes and neutrophils. <i>Archives of Biochemistry and Biophysics</i> , 2018, 645, 34-41.	1.4	24
45	Epicatechin influences primary hemostasis, coagulation and fibrinolysis. <i>Food and Function</i> , 2019, 10, 7291-7298.	2.1	24
46	Epigenetic control of cardiovascular health by nutritional polyphenols involves multiple chromatin-modifying writer-reader-eraser proteins. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 788-806.	1.0	24
47	Genetic mapping of GBE1 and its association with glycogen storage disease IV in American Quarter horses. <i>Cytogenetic and Genome Research</i> , 2003, 102, 201-206.	0.6	23
48	Effect of probiotic, prebiotic, and synbiotic on the gut microbiota of autistic children using an in vitro gut microbiome model. <i>Food Research International</i> , 2021, 149, 110657.	2.9	22
49	The Western Diet Regulates Hippocampal Microvascular Gene Expression: An Integrated Genomic Analyses in Female Mice. <i>Scientific Reports</i> , 2019, 9, 19058.	1.6	20
50	Effects of the apple matrix on the postprandial bioavailability of flavan-3-ols and nutrigenomic response of apple polyphenols in minipigs challenged with a high fat meal. <i>Food and Function</i> , 2020, 11, 5077-5090.	2.1	19
51	Citrus flavanone metabolites protect pancreatic-Î² cells under oxidative stress induced by cholesterol. <i>Food and Function</i> , 2020, 11, 8612-8624.	2.1	15
52	Citrus Flavanones Upregulate Thyrotroph Sirt1 and Differently Affect Thyroid Nrf2 Expressions in Old-Aged Wistar Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8242-8254.	2.4	15
53	Systematic Bioinformatic Analyses of Nutrigenomic Modifications by Polyphenols Associated with Cardiometabolic Health in Humansâ€™ Evidence from Targeted Nutrigenomic Studies. <i>Nutrients</i> , 2021, 13, 2326.	1.7	15
54	Insulin immuno-neutralization in fed chickens: effects on liver and muscle transcriptome. <i>Physiological Genomics</i> , 2012, 44, 283-292.	1.0	14

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55	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. <i>European Journal of Nutrition</i> , 2019, 58, 65-73.	1.8	14
56	Inhibition of Soluble Epoxide Hydrolase Is Protective against the Multiomic Effects of a High Glycemic Diet on Brain Microvascular Inflammation and Cognitive Dysfunction. <i>Nutrients</i> , 2021, 13, 3913.	1.7	14
57	Flavanol Consumption in Healthy Men Preserves Integrity of Immunological Endothelial Barrier Cell Functions: Nutri(epi)genomic Analysis. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100991.	1.5	14
58	Systematic bioinformatic analysis of nutrigenomic data of flavanols in cell models of cardiometabolic disease. <i>Food and Function</i> , 2020, 11, 5040-5064.	2.1	13
59	Lipotoxic Injury Differentially Regulates Brain Microvascular Gene Expression in Male Mice. <i>Nutrients</i> , 2020, 12, 1771.	1.7	12
60	Dietary Polyphenols and Their Effects on Cell Biochemistry and Pathophysiology 2014. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-2.	1.9	11
61	Modulation of gene expression in endothelial cells by hyperlipaemic postprandial serum from healthy volunteers. <i>Genes and Nutrition</i> , 2010, 5, 263-274.	1.2	10
62	Positive effects of naringenin on near-surface membrane fluidity in human erythrocytes. <i>Acta Physiologica Hungarica</i> , 2015, 102, 131-136.	0.9	10
63	Acute Effects of the Consumption of <i>Passiflora setacea</i> Juice on Metabolic Risk Factors and Gene Expression Profile in Humans. <i>Nutrients</i> , 2020, 12, 1104.	1.7	9
64	Brazilian passion fruit as a new healthy food: from its composition to health properties and mechanisms of action. <i>Food and Function</i> , 2021, 12, 11106-11120.	2.1	9
65	Molecular Determinants of the Cardiometabolic Improvements of Dietary Flavanols Identified by an Integrative Analysis of Nutrigenomic Data from a Systematic Review of Animal Studies. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100227.	1.5	9
66	Diosgenin-caused changes of the adrenal gland histological parameters in a rat model of the menopause. <i>Acta Histochemica</i> , 2017, 119, 48-56.	0.9	8
67	Nutrigenomic modification induced by anthocyanin-rich bilberry extract in the hippocampus of ApoE ^{-/-} mice. <i>Journal of Functional Foods</i> , 2021, 85, 104609.	1.6	8
68	Circulating (Poly)phenol Metabolites: Neuroprotection in a 3D Cell Model of Parkinson's Disease. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100959.	1.5	8
69	Sex-Dependent Molecular Mechanisms of Lipotoxic Injury in Brain Microvasculature: Implications for Dementia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8146.	1.8	7
70	Vascular Protective Effects of Fruit Polyphenols. , 2014, , 875-893.		6
71	Impact of Epicatechin on the Procoagulant Activities of Microparticles. <i>Nutrients</i> , 2020, 12, 2935.	1.7	6
72	Phenolic-Rich Extract from Almond (<i>Prunus dulcis</i>) Hulls Improves Lipid Metabolism in Triton WR-1339 and High-Fat Diet-Induced Hyperlipidemic Mice and Prevents Lipoprotein Oxidation: A Comparison with Fenofibrate and Butylated Hydroxyanisole. <i>Preventive Nutrition and Food Science</i> , 2020, 25, 254-262.	0.7	6

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73	Chronic consumption of a western diet modifies the DNA methylation profile in the frontal cortex of mice. <i>Food and Function</i> , 2018, 9, 1187-1198.	2.1	5
74	Naringin at a nutritional dose modulates expression of genes related to lipid metabolism and inflammation in liver of mice fed a high-fat diet. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2012, 1, 113-123.	0.3	4
75	HPLC-DAD profiling of a phenolic extract from Moroccan sweet Basil and its application as oxidative stabilizer of sunflower oil. <i>Chemical Papers</i> , 2021, 75, 1907-1917.	1.0	4
76	Evaluating the role of orange juice, HESPERidin in vascular HEALTH benefits (HESPER-HEALTH study): protocol for a randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e053321.	0.8	4
77	Alterations of aorta intima and media transcriptome in swine fed high-fat diet over 1-year follow-up period and of the switch to normal diet. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 1201-1215.	1.1	3
78	Characterization and localization of 17 microsatellites derived from BACs in the horse. <i>Animal Genetics</i> , 2005, 36, 164-166.	0.6	2
79	cDNA sequence of the horse (<i>Equus caballus</i>) LAMA3 gene and characterization of two intronic SNP markers. <i>DNA Sequence</i> , 2005, 16, 468-473.	0.7	1
80	Multigenomic modifications in human circulating immune cells in response to consumption of polyphenol-rich extract of yerba mate (<i>Ilex paraguariensis</i> A. St.-Hil.) are suggestive of cardiometabolic protective effects. <i>British Journal of Nutrition</i> , 2023, 129, 185-205.	1.2	1
81	Anthocyanin-rich bilberry extract exerts a complex nutrigenomic effect in hippocampus of ApoE ^{-/-} mice. <i>Free Radical Biology and Medicine</i> , 2021, 177, S89.	1.3	1
82	Nutritional Regulation of Mammary miRNome: Implications for Human Studies. , 2019, , 1495-1511.		0