

Melita S VidakoviÄ

List of Publications by Year in descending order

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83
papers

1,041
citations

394390

19
h-index

501174

28
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84
all docs

84
docs citations

84
times ranked

1862
citing authors

#	ARTICLE	IF	CITATIONS
1	Centaurium erythraea methanol extract improves the functionality of diabetic liver and kidney by mitigating hyperglycemia-induced oxidative stress. <i>Journal of Functional Foods</i> , 2022, 90, 104975.	3.4	2
2	TET-mediated DNA hydroxymethylation is negatively influenced by the PARP-dependent PARylation. <i>Epigenetics and Chromatin</i> , 2022, 15, 11.	3.9	4
3	Î±-Lipoic Acid Increases Collagen Synthesis and Deposition in Nondiabetic and Diabetic Rat Kidneys. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	4.0	4
4	The Influence of Plant Extracts and Phytoconstituents on Antioxidant Enzymes Activity and Gene Expression in the Prevention and Treatment of Impaired Glucose Homeostasis and Diabetes Complications. <i>Antioxidants</i> , 2021, 10, 480.	5.1	16
5	The Effects of Major Mushroom Bioactive Compounds on Mechanisms That Control Blood Glucose Level. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 58.	3.5	17
6	Mushroom and plant extracts as potential intervention supplements in diabetes management. , 2020, , 247-256.		2
7	The association of tumor necrosis factor alpha, lymphotoxin alpha, tumor necrosis factor receptor 1 and tumor necrosis factor receptor 2 gene polymorphisms and serum levels with periodontitis and type 2 diabetes in Serbian population. <i>Archives of Oral Biology</i> , 2020, 120, 104929.	1.8	3
8	The antioxidant potential of <i>Lactarius deterrimus</i> in diabetes. , 2020, , 265-273.		4
9	DNA methylation of miR-200 clusters promotes epithelial to mesenchymal transition in human conjunctival epithelial cells. <i>Experimental Eye Research</i> , 2020, 197, 108047.	2.6	7
10	Centaurium erythraea extract reduces redox imbalance and improves insulin expression and secretion in pancreatic Î²-cells exposed to oxidative and nitrosative stress. <i>Archives of Biological Sciences</i> , 2020, 72, 117-128.	0.5	5
11	Treatment of streptozotocin-induced diabetic rats with <i>Castanea sativa</i> and <i>Lactarius deterrimus</i> extracts decreases liver damage by initiating activation of the Akt prosurvival kinase. <i>Archives of Biological Sciences</i> , 2020, 72, 233-242.	0.5	3
12	Centaurium erythraea extract improves survival and functionality of pancreatic beta-cells in diabetes through multiple routes of action. <i>Journal of Ethnopharmacology</i> , 2019, 242, 112043.	4.1	15
13	Absence of PARPÎ±1 affects Cxcl12 expression by increasing DNA demethylation. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2610-2618.	3.6	9
14	DNA Methylation Changes Induced by Redox-Active Compoundsâ€”Choosing the Right PCR-Based Method. <i>Proceedings (mdpi)</i> , 2019, 11, 20.	0.2	1
15	PARylation, DNA (De)methylation, and Diabetes. , 2019, , 1857-1876.		0
16	Liver Diseases: Epigenetic Mechanisms, Oxidative Stress, and Use of Alpha-Lipoic Acid. , 2019, , 1121-1141.		0
17	Natural Products Derived from the Mediterranean Diet with Antidiabetic Activity: from Insulin Mimetic Hypoglycemic to Nutriepigenetic Modulator Compounds. <i>Current Pharmaceutical Design</i> , 2019, 25, 1760-1782.	1.9	8
18	Enrichment of Cxcl12 promoter with TET2: A possible link between promoter demethylation and enhanced gene expression in the absence of PARP-1. <i>Archives of Biological Sciences</i> , 2019, 71, 455-462.	0.5	1

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19	New Insights into the Epigenetic Activities of Natural Compounds. <i>OBM Genetics</i> , 2018, 2, 1-1.	0.4	2
20	CXC chemokine ligand 12Î±-mediated increase in insulin secretion and survival of mouse pancreatic islets in response to oxidative stress through modulation of calcium uptake. <i>Archives of Biological Sciences</i> , 2018, 70, 191-204.	0.5	2
21	Liver Diseases: Epigenetic Mechanisms, Oxidative Stress and Use of Alpha-Lipoic Acid. , 2018, , 1-21.		2
22	PARylation, DNA (De)methylation, and Diabetes. , 2018, , 1-20.		0
23	Beneficial effects of Î±-lipoic acid in diabetes- and drug- induced liver injury. <i>Archives of Biological Sciences</i> , 2018, 70, 621-628.	0.5	0
24	<i>Centaurium erythraea</i> methanol extract protects red blood cells from oxidative damage in streptozotocin-induced diabetic rats. <i>Journal of Ethnopharmacology</i> , 2017, 202, 172-183.	4.1	29
25	Oral administration of probiotic <i>Lactobacillus paraplantarum</i> BCGG11 attenuates diabetes-induced liver and kidney damage in rats. <i>Journal of Functional Foods</i> , 2017, 38, 427-437.	3.4	24
26	Evaluation of the Antioxidant and Antiglycation Effects of <i>Lactarius deterrimus</i> and <i>Castanea sativa</i> Extracts on Hepatorenal Injury in Streptozotocin-Induced Diabetic Rats. <i>Frontiers in Pharmacology</i> , 2017, 8, 793.	3.5	20
27	<i>Chlamydia trachomatis</i> Infection Is Associated with E-Cadherin Promoter Methylation, Downregulation of E-Cadherin Expression, and Increased Expression of Fibronectin and Î±-SMAâ€”Implications for Epithelial-Mesenchymal Transition. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 253.	3.9	23
28	PARylation, DNA (De)methylation, and Diabetes. , 2017, , 1-20.		0
29	CXCL12 protects pancreatic Î²-cells from oxidative stress by a Nrf2-induced increase in catalase expression and activity. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2016, 92, 436-454.	3.8	25
30	Association of CXCL12 gene promoter methylation with periodontitis in patients with diabetes mellitus type 2. <i>Archives of Oral Biology</i> , 2016, 72, 124-133.	1.8	9
31	Biochemical indicators and biomarkers in chub (<i>Squalius cephalus</i> L.) from the Sava River. <i>Science of the Total Environment</i> , 2016, 540, 368-376.	8.0	5
32	Relationship between serum tumor necrosis factor receptor-2 concentration and periodontal destruction in patients with type 2 diabetes: Cross-sectional study. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2016, 144, 266-272.	0.2	2
33	The Importance of the CXCL12/CXCR4 Axis in Therapeutic Approaches to Diabetes Mellitus Attenuation. <i>Frontiers in Immunology</i> , 2015, 6, 403.	4.8	24
34	Protective Effects of the Mushroom <i>Lactarius deterrimus</i> Extract on Systemic Oxidative Stress and Pancreatic Islets in Streptozotocin-Induced Diabetic Rats. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-10.	2.3	22
35	Identification of transcription factors involved in the transcriptional regulation of the CXCL12 gene in rat pancreatic insulinoma Rin-5F cell line. <i>Biochemistry and Cell Biology</i> , 2015, 93, 54-62.	2.0	11
36	Improved in vitro antitumor potential of (O,Oâ€²-Diisobutyl-ethylenediamine-N,Nâ€²-di-3-propionate)tetrachloridoplatinum(IV) complex under normoxic and hypoxic conditions. <i>European Journal of Pharmacology</i> , 2015, 760, 136-144.	3.5	7

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37	From inflammaging to healthy aging by dietary lifestyle choices: is epigenetics the key to personalized nutrition?. <i>Clinical Epigenetics</i> , 2015, 7, 33.	4.1	156
38	Lymphocytesâ€™ last standâ€™ on the nuclear matrix after whole body exposure of rats to low-let ionizing radiation. <i>Archives of Biological Sciences</i> , 2015, 67, 69-81.	0.5	0
39	Can we use the epigenetic bioactivity of caloric restriction and phytochemicals to promote healthy ageing?. <i>MedChemComm</i> , 2014, 5, 1804-1820.	3.4	4
40	Relationship between genome and epigenome - challenges and requirements for future research. <i>BMC Genomics</i> , 2014, 15, 487.	2.8	24
41	CXC Chemokine Ligand 12 Protects Pancreatic Î²-Cells from Necrosis through Akt Kinase-Mediated Modulation of Poly(ADP-ribose) Polymerase-1 Activity. <i>PLoS ONE</i> , 2014, 9, e101172.	2.5	10
42	Alpha-lipoic acid upregulates antioxidant enzyme gene expression and enzymatic activity in diabetic rat kidneys through an O-GlcNAc-dependent mechanism. <i>European Journal of Nutrition</i> , 2013, 52, 1461-1473.	3.9	42
43	Î²-Glucan administration to diabetic rats alleviates oxidative stress by lowering hyperglycaemia, decreasing non-enzymatic glycation and protein O-GlcNAcylation. <i>Journal of Functional Foods</i> , 2013, 5, 1226-1234.	3.4	18
44	Administration of a Î²-glucan-enriched extract activates beneficial hepatic antioxidant and anti-inflammatory mechanisms in streptozotocin-induced diabetic rats. <i>Journal of Functional Foods</i> , 2013, 5, 1966-1974.	3.4	21
45	Î²-Glucan administration to diabetic rats reestablishes redox balance and stimulates cellular pro-survival mechanisms. <i>Journal of Functional Foods</i> , 2013, 5, 267-278.	3.4	23
46	Methanol extract from the stem of <i>Cotinus coggygia</i> Scop., and its major bioactive phytochemical constituent myricetin modulate pyrogallol-induced DNA damage and liver injury. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 755, 81-89.	1.7	49
47	Ameliorating effects of antioxidative compounds from four plant extracts in experimental models of diabetes. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 365-380.	0.8	3
48	Decreased O-GlcNAcylation of the key proteins in kinase and redox signalling pathways is a novel mechanism of the beneficial effect of Î±-lipoic acid in diabetic liver. <i>British Journal of Nutrition</i> , 2013, 110, 401-412.	2.3	24
49	PARP-1 and YY1 Are Important Novel Regulators of CXCL12 Gene Transcription in Rat Pancreatic Beta Cells. <i>PLoS ONE</i> , 2013, 8, e59679.	2.5	22
50	The protective effect of a mix of <i>Lactarius deterrimus</i> and <i>Castanea sativa</i> extracts on streptozotocin-induced oxidative stress and pancreatic Î²-cell death. <i>British Journal of Nutrition</i> , 2012, 108, 1163-1176.	2.3	25
51	YY1-Binding Sites Provide Central Switch Functions in the PARP-1 Gene Expression Network. <i>PLoS ONE</i> , 2012, 7, e44125.	2.5	15
52	Alpha-lipoic acid preserves the structural and functional integrity of red blood cells by adjusting the redox disturbance and decreasing O-GlcNAc modifications of antioxidant enzymes and heat shock proteins in diabetic rats. <i>European Journal of Nutrition</i> , 2012, 51, 975-986.	3.9	16
53	STAT3/NF-Î± interactions determine the level of haptoglobin expression in male rats exposed to dietary restriction and/or acute phase stimuli. <i>Molecular Biology Reports</i> , 2012, 39, 167-176.	2.3	9
54	Extract of the plant <i>Cotinus coggygia</i> Scop. attenuates pyrogallol-induced hepatic oxidative stress in Wistar rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011, 89, 401-411.	1.4	18

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55	Genotoxic potential of <i>Cotinus coggygria</i> Scop. (Anacardiaceae) stem extract in vivo. <i>Genetics and Molecular Biology</i> , 2011, 34, 298-303.	1.3	11
56	Administration of rat acute-phase protein α 2-macroglobulin before total-body irradiation initiates cytoprotective mechanisms in the liver. <i>Radiation and Environmental Biophysics</i> , 2011, 50, 167-179.	1.4	16
57	Antioxidative effects of phenolic extracts from chestnut leaves, catkins and spiny burs in streptozotocin-treated rat pancreatic β -cells. <i>Food Chemistry</i> , 2011, 125, 841-849.	8.2	46
58	The rat acute-phase protein α 2-macroglobulin plays a central role in amifostine-mediated radioprotection. <i>Journal of Radiological Protection</i> , 2010, 30, 567-583.	1.1	8
59	Proteolytic events in cryonecrotic cell death: Proteolytic activation of endonuclease P23. <i>Cryobiology</i> , 2010, 60, 271-280.	0.7	7
60	CYP1A and metallothionein expression in the hepatopancreas of <i>Merluccius merluccius</i> and <i>Mullus barbatus</i> from the Adriatic sea. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 1149-1159.	0.8	4
61	Regulation of rat haptoglobin gene expression is coordinated by the nuclear matrix. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 1205-1221.	2.6	1
62	CXCL12/SDF-1 over-expression in human insulinomas and its biological relevance. <i>Molecular and Cellular Endocrinology</i> , 2009, 298, 1-10.	3.2	8
63	PARP-1 Expression in the Mouse is Controlled by an Autoregulatory Loop: PARP-1 Binding to an Upstream S/MAR Element and to a Novel Recognition Motif in its Promoter Suppresses Transcription. <i>Journal of Molecular Biology</i> , 2009, 388, 730-750.	4.2	21
64	The radioprotective efficacy of the rat acute-phase protein α 2-macroglobulin on bone marrow cells. <i>Genetika</i> , 2009, 41, 29-39.	0.4	1
65	Dynamic associations of transcription factors with the rat liver nuclear matrix are functionally related to differential α 2-macroglobulin gene expression. <i>Archives of Biological Sciences</i> , 2008, 60, 355-366.	0.5	0
66	Transcription factor p53 exhibits increased binding to the α 2-macroglobulin gene promoter and decreased glycosylation in fetal and adult rat liver during the acute-phase response. <i>Archives of Biological Sciences</i> , 2008, 60, 347-353.	0.5	0
67	Establishment of association of an Mg ²⁺ -dependent endonuclease with the rat liver nuclear matrix in cryonecrosis. <i>Cell Biochemistry and Function</i> , 2007, 25, 345-355.	2.9	4
68	STAT3/NF κ B Interplay in the Regulation of α 2-Macroglobulin Gene Expression During Rat Liver Development and the Acute Phase Response. <i>IUBMB Life</i> , 2007, 59, 170-178.	3.4	18
69	Nuclear localization and binding affinity of STAT5b for the α (2)-macroglobulin gene promoter during rat liver development and the acute-phase response.. <i>Acta Biochimica Polonica</i> , 2007, 54, 331-340.	0.5	2
70	STAT3 and STAT5b expression during rat liver development and the acute phase response. <i>Archives of Biological Sciences</i> , 2007, 59, 45P-46P.	0.5	0
71	Participation of tumor suppressor P53 in the expression of acute-phase protein genes. <i>Archives of Biological Sciences</i> , 2007, 59, 33P-34P.	0.5	1
72	Additional evidence for the involvement of endonuclease P23 in necrosis. <i>Archives of Biological Sciences</i> , 2007, 59, 35P-36P.	0.5	0

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73	Malnutrition and acute phase-related increase of Î±2-Macroglobulin in rat liver. Archives of Biological Sciences, 2007, 59, 41P-42P.	0.5	0
74	CYP1A Expression in Mullus barbatus and Merluccius merluccius from the Adriatic Sea in Serbia and Montenegro. Bulletin of Environmental Contamination and Toxicology, 2006, 77, 559-565.	2.7	8
75	Expression of CYP1A in the hepatopancreas of Merluccius merluccius, Trigla lucerna, and Liza ramada (pisces) in the wider vicinity of Bar harbor Montenegro. Archives of Biological Sciences, 2006, 58, 165-170.	0.5	4
76	Co-localization of PARP-1 and lamin B in the nuclear architecture: A halo-fluorescence- and confocal-microscopy study. Journal of Cellular Biochemistry, 2005, 96, 555-568.	2.6	11
77	Characterization of a B220+ Lymphoid Cell Subpopulation with Immune Modulatory Functions in Nasal-Associated Lymphoid Tissues. Journal of Immunology, 2005, 174, 1317-1324.	0.8	22
78	DNA break repair: refined rules of an already complicated game. Biochemistry and Cell Biology, 2005, 83, 365-373.	2.0	23
79	Poly(ADP-ribose) polymerase-1: Association with nuclear lamins in rodent liver cells. Journal of Cellular Biochemistry, 2004, 93, 1155-1168.	2.6	12
80	Nuclear matrix-associated poly(adpribosyl)ation system in rat hepatocytes during the acute phase reaction. Archives of Biological Sciences, 2003, 55, 7P-8P.	0.5	0
81	SOLUBILITY PARTITIONING OF C/EBPÎ² ON THE RAT HEPATOCYTE NUCLEAR MATRIX BY HYDROPHOBIC INTERACTIONS. Cell Biology International, 2002, 26, 451-461.	3.0	7
82	Identification of Nuclear Matrix and Associated Proteins that Bind the Haptoglobin Gene Cis-Element. IUBMB Life, 1999, 48, 277-282.	3.4	8
83	Identification of Nuclear Matrix and Associated Proteins that Bind the Haptoglobin Gene Cis-Element. IUBMB Life, 1999, 48, 277-282.	3.4	8