

Mirjana MihailoviÄ

List of Publications by Year in descending order

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87
papers

1,191
citations

393982

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h-index

476904

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89
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89
docs citations

89
times ranked

1884
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro Antioxidant Activity of Selected 4-Hydroxy-chromene-2-one Derivativesâ€”SAR, QSAR and DFT Studies. International Journal of Molecular Sciences, 2011, 12, 2822-2841.	1.8	78
2	Hepatoprotective effects of <i>Gentiana asclepiadea</i> L. extracts against carbon tetrachloride induced liver injury in rats. Food and Chemical Toxicology, 2013, 52, 83-90.	1.8	64
3	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. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 755, 81-89.	0.9	49
4	Antioxidative effects of phenolic extracts from chestnut leaves, catkins and spiny burs in streptozotocin-treated rat pancreatic Î²-cells. Food Chemistry, 2011, 125, 841-849.	4.2	46
5	Hepatoprotective effects of secoiridoid-rich extracts from <i>Gentiana cruciata</i> L. against carbon tetrachloride induced liver damage in rats. Food and Function, 2014, 5, 1795-1803.	2.1	46
6	Alpha-lipoic acid upregulates antioxidant enzyme gene expression and enzymatic activity in diabetic rat kidneys through an O-GlcNAc-dependent mechanism. European Journal of Nutrition, 2013, 52, 1461-1473.	1.8	42
7	Haptoglobin and the inflammatory and oxidative status in experimental diabetic rats: antioxidant role of haptoglobin. Journal of Physiology and Biochemistry, 2013, 69, 45-58.	1.3	40
8	<i>Cotinus coggygia</i> Scop.: An overview of its chemical constituents, pharmacological and toxicological potential. Saudi Journal of Biological Sciences, 2016, 23, 452-461.	1.8	38
9	<i>Filipendula ulmaria</i> extracts attenuate cisplatin-induced liver and kidney oxidative stress in rats: InAvivo investigation and LC-MS analysis. Food and Chemical Toxicology, 2017, 99, 86-102.	1.8	38
10	Comparative phytochemical analysis of <i>Gentiana cruciata</i> L. roots and aerial parts, and their biological activities. Industrial Crops and Products, 2015, 73, 49-62.	2.5	32
11	<i>Centaurium erythraea</i> methanol extract protects red blood cells from oxidative damage in streptozotocin-induced diabetic rats. Journal of Ethnopharmacology, 2017, 202, 172-183.	2.0	29
12	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. British Journal of Nutrition, 2012, 108, 1163-1176.	1.2	25
13	CXCL12 protects pancreatic Î²-cells from oxidative stress by a Nrf2-induced increase in catalase expression and activity. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2016, 92, 436-454.	1.6	25
14	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. British Journal of Nutrition, 2013, 110, 401-412.	1.2	24
15	The Importance of the CXCL12/CXCR4 Axis in Therapeutic Approaches to Diabetes Mellitus Attenuation. Frontiers in Immunology, 2015, 6, 403.	2.2	24
16	Oral administration of probiotic <i>Lactobacillus paraplantarum</i> BCGG11 attenuates diabetes-induced liver and kidney damage in rats. Journal of Functional Foods, 2017, 38, 427-437.	1.6	24
17	Î²-Glucan administration to diabetic rats reestablishes redox balance and stimulates cellular pro-survival mechanisms. Journal of Functional Foods, 2013, 5, 267-278.	1.6	23
18	<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. Frontiers in Cellular and Infection Microbiology, 2017, 7, 253.	1.8	23

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19	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.	1.0	22
20	PARP-1 and YY1 Are Important Novel Regulators of CXCL12 Gene Transcription in Rat Pancreatic Beta Cells. <i>PLoS ONE</i> , 2013, 8, e59679.	1.1	22
21	Administration of a β -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.	1.6	21
22	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.	1.6	20
23	The absence of cardiomyopathy is accompanied by increased activities of CAT, MnSOD and GST in long-term diabetes in rats. <i>Journal of Physiological Sciences</i> , 2010, 60, 259-266.	0.9	19
24	STAT3/NF κ B Interplay in the Regulation of β 2-Macroglobulin Gene Expression During Rat Liver Development and the Acute Phase Response. <i>IUBMB Life</i> , 2007, 59, 170-178.	1.5	18
25	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.	0.7	18
26	β -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.	1.6	18
27	The Effects of Major Mushroom Bioactive Compounds on Mechanisms That Control Blood Glucose Level. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 58.	1.5	17
28	Administration of rat acute-phase protein β 2-macroglobulin before total-body irradiation initiates cytoprotective mechanisms in the liver. <i>Radiation and Environmental Biophysics</i> , 2011, 50, 167-179.	0.6	16
29	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.	1.8	16
30	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.	2.2	16
31	<i>Centaurium erythraea</i> extract improves survival and functionality of pancreatic beta-cells in diabetes through multiple routes of action. <i>Journal of Ethnopharmacology</i> , 2019, 242, 112043.	2.0	15
32	THE ACUTE-PHASE PROTEIN β 2-MACROGLOBULIN PLAYS AN IMPORTANT ROLE IN RADIOPROTECTION IN THE RAT. <i>Shock</i> , 2009, 31, 607-614.	1.0	14
33	The ameliorating effect of <i>Filipendula hexapetala</i> extracts on hepatorenal toxicity of cisplatin. <i>Journal of Functional Foods</i> , 2015, 18, 198-212.	1.6	13
34	Biochemical and pharmacological evaluation of 4-hydroxychromen-2-ones bearing polar C-3 substituents as anticoagulants. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 144-158.	2.6	12
35	Acute-phase protein expression in DMSO-intoxicated rats. <i>Toxicology Letters</i> , 2004, 147, 153-159.	0.4	11
36	Genotoxic potential of <i>Cotinus coggygia</i> Scop. (Anacardiaceae) stem extract in vivo. <i>Genetics and Molecular Biology</i> , 2011, 34, 298-303.	0.6	11

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37	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.	0.9	11
38	Association of the glucocorticoid receptor with STAT3, C/EBP β , and the hormone-responsive element within the rat haptoglobin gene promoter during the acute phase response. <i>IUBMB Life</i> , 2010, 62, 227-236.	1.5	10
39	Synthesis and toxicological studies of in vivo anticoagulant activity of novel 3-(1-aminoethylidene)chroman-2,4-diones and 4-hydroxy-3-(1-iminoethyl)-2H-chromen-2-ones combined with a structure-based 3-D pharmacophore model. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 55, 20-35.	1.9	10
40	CXC Chemokine Ligand 12 Protects Pancreatic β -Cells from Necrosis through Akt Kinase-Mediated Modulation of Poly(ADP-ribose) Polymerase-1 Activity. <i>PLoS ONE</i> , 2014, 9, e101172.	1.1	10
41	C/EBP β AND C/EBP δ ARE PERSISTENTLY ASSOCIATED WITH THE RAT LIVER NUCLEAR MATRIX THROUGHOUT DEVELOPMENT AND THE ACUTE PHASE RESPONSE. <i>Cell Biology International</i> , 2000, 24, 691-698.	1.4	9
42	C/EBP β and C/EBP δ Regulate Haptoglobin Gene Expression during Rat Liver Development and the Acute-phase Response. <i>Molecular Biology Reports</i> , 2005, 32, 141-147.	1.0	9
43	STAT3/NF- κ B 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.	1.0	9
44	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.	0.8	9
45	Absence of PARP α 1 affects <i>Cxcl12</i> expression by increasing DNA demethylation. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2610-2618.	1.6	9
46	CYP1A Expression in <i>Mullus barbatus</i> and <i>Merluccius merluccius</i> from the Adriatic Sea in Serbia and Montenegro. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006, 77, 559-565.	1.3	8
47	The rat acute-phase protein β -2-macroglobulin plays a central role in amifostine-mediated radioprotection. <i>Journal of Radiological Protection</i> , 2010, 30, 567-583.	0.6	8
48	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.	0.9	8
49	The radioprotective effect of alpha2-macroglobulin: a morphological study of rat liver. <i>Medical Science Monitor</i> , 2009, 15, BR188-93.	0.5	8
50	Proteolytic events in cryonecrotic cell death: Proteolytic activation of endonuclease P23. <i>Cryobiology</i> , 2010, 60, 271-280.	0.3	7
51	Study of genotoxicity and antigenotoxicity of the <i>Cotinus coggygia</i> Scop. methanol extract by <i>Drosophila melanogaster</i> sex-linked recessive lethal test. <i>Russian Journal of Genetics</i> , 2011, 47, 770-774.	0.2	7
52	DNA methylation of miR-200 clusters promotes epithelial to mesenchymal transition in human conjunctival epithelial cells. <i>Experimental Eye Research</i> , 2020, 197, 108047.	1.2	7
53	The organophosphate-induced acute-phase response is characterized by synthesis of β 1-acid glycoprotein that exhibits an immunomodulatory effect. <i>Journal of Applied Toxicology</i> , 2008, 28, 63-71.	1.4	6
54	Acute-phase related binding ability of p53 for the hormone response element of the haptoglobin gene in adult rats. <i>Cell Biology International</i> , 2005, 29, 968-970.	1.4	5

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55	Serum albumin binding analysis and toxicological screening of novel chroman-2,4-diones as oral anticoagulants. <i>Chemico-Biological Interactions</i> , 2015, 227, 18-31.	1.7	5
56	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.	3.9	5
57	<i>Centaurium erythraea</i> extract reduces redox imbalance and improves insulin expression and secretion in pancreatic β -cells exposed to oxidative and nitrosative stress. <i>Archives of Biological Sciences</i> , 2020, 72, 117-128.	0.2	5
58	p53-LIKE PROTEIN BINDING AFFINITY TO THE HORMONE RESPONSIVE ELEMENT OF THE HAPTOGLOBIN GENE IN FETAL RAT LIVER. <i>Cell Biology International</i> , 2002, 26, 217-224.	1.4	4
59	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.	1.4	4
60	α -Lipoic Acid Increases Collagen Synthesis and Deposition in Nondiabetic and Diabetic Rat Kidneys. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	1.9	4
61	The antioxidant potential of <i>Lactarius deterrimus</i> in diabetes. , 2020, , 265-273.		4
62	Expression of CYP1A in the hepatopancreas of <i>Merluccius merluccius</i> , <i>Trigla lucerna</i> , and <i>Liza ramada</i> (pisces) in the wider vicinity of Bar harbor Montenegro. <i>Archives of Biological Sciences</i> , 2006, 58, 165-170.	0.2	4
63	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.	0.4	4
64	TET-mediated DNA hydroxymethylation is negatively influenced by the PARP-dependent PARylation. <i>Epigenetics and Chromatin</i> , 2022, 15, 11.	1.8	4
65	Author's Abstracts. <i>Diabetes, Obesity and Metabolism</i> , 2010, 12, 37-92.	2.2	3
66	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.	0.4	3
67	Newly discovered chroman-2,4-diones neutralize the in vivo DNA damage induced by alkylation through the inhibition of Topoisomerase II α : A story behind the molecular modeling approach. <i>Biochemical Pharmacology</i> , 2015, 98, 243-266.	2.0	3
68	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.	0.2	3
69	Mushroom and plant extracts as potential intervention supplements in diabetes management. , 2020, , 247-256.		2
70	Nuclear localization and binding affinity of STAT5b for the alpha(2)-macroglobulin gene promoter during rat liver development and the acute-phase response.. <i>Acta Biochimica Polonica</i> , 2007, 54, 331-340.	0.3	2
71	CXC chemokine ligand 12 α -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.	0.2	2
72	Liver Diseases: Epigenetic Mechanisms, Oxidative Stress and Use of Alpha-Lipoic Acid. , 2018, , 1-21.		2

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73	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.	1.6	2
74	Regulation of rat haptoglobin gene expression is coordinated by the nuclear matrix. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 1205-1221.	1.2	1
75	The radioprotective efficacy of the rat acute-phase protein alpha2-macroglobulin on bone marrow cells. <i>Genetika</i> , 2009, 41, 29-39.	0.1	1
76	Participation of tumor suppressor P53 in the expression of acute-phase protein genes. <i>Archives of Biological Sciences</i> , 2007, 59, 33P-34P.	0.2	1
77	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.	0.2	1
78	Liver Diseases: Epigenetic Mechanisms, Oxidative Stress, and Use of Alpha-Lipoic Acid. , 2019, , 1121-1141.		0
79	CHOP VS. BOCAD in elderly patients with diffuse large cell lymphoma (DLCL): Preliminary results. <i>Archive of Oncology</i> , 2002, 10, 148-148.	0.2	0
80	STAT3 and STAT5b expression during rat liver development and the acute phase response. <i>Archives of Biological Sciences</i> , 2007, 59, 45P-46P.	0.2	0
81	Additional evidence for the involvement of endonuclease P23 in necrosis. <i>Archives of Biological Sciences</i> , 2007, 59, 35P-36P.	0.2	0
82	Malnutrition and acute phase-related increase of Î±2-Macroglobulin in rat liver. <i>Archives of Biological Sciences</i> , 2007, 59, 41P-42P.	0.2	0
83	Dynamic associations of transcription factors with the rat liver nuclear matrix are functionally related to differential alpha-2-macroglobulin gene expression. <i>Archives of Biological Sciences</i> , 2008, 60, 355-366.	0.2	0
84	Transcription factor p53 exhibits increased binding to the Î±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.	0.2	0
85	Molecular characterization of hsp90 isoforms in colorectal cancer cells and its association with tumour progression. <i>International Journal of Oncology</i> , 1992, 32, 1169-1178.	1.4	0
86	Lymphocytesâ€™ last stand 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.	0.2	0
87	Beneficial effects of Î±-lipoic acid in diabetes- and drug- induced liver injury. <i>Archives of Biological Sciences</i> , 2018, 70, 621-628.	0.2	0