

Dragana Nikitovic

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

5,449
citations

108046

37
h-index

100535

70
g-index

102
all docs

102
docs citations

102
times ranked

9435
citing authors

#	ARTICLE	IF	CITATIONS
1	Preface of the Special Issue on the Role of Extracellular Matrix in Development and Cancer Progression. <i>Biomolecules</i> , 2022, 12, 362.	1.8	3
2	Biglycan Interacts with Type I Insulin-like Receptor (IGF-IR) Signaling Pathway to Regulate Osteosarcoma Cell Growth and Response to Chemotherapy. <i>Cancers</i> , 2022, 14, 1196.	1.7	7
3	ApoA1 Deficiency Reshapes the Phenotypic and Molecular Characteristics of Bone Marrow Adipocytes in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4834.	1.8	5
4	Amphiphilic Poly-N-vinylpyrrolidone Nanoparticles as Carriers for Nonsteroidal, Anti-Inflammatory Drugs: Pharmacokinetic, Anti-Inflammatory, and Ulcerogenic Activity Study. <i>Pharmaceutics</i> , 2022, 14, 925.	2.0	12
5	Glycosaminoglycans: Carriers and Targets for Tailored Anti-Cancer Therapy. <i>Biomolecules</i> , 2021, 11, 395.	1.8	20
6	The Role of IGF/IGF-IR-Signaling and Extracellular Matrix Effectors in Bone Sarcoma Pathogenesis. <i>Cancers</i> , 2021, 13, 2478.	1.7	24
7	Lumican in Carcinogenesis—Revisited. <i>Biomolecules</i> , 2021, 11, 1319.	1.8	25
8	Preface for the Special Issue on the Exploration of the Multifaceted Roles of Glycosaminoglycans: GAGs. <i>Biomolecules</i> , 2021, 11, 1630.	1.8	5
9	Telomere length and telomerase activity in osteoporosis and osteoarthritis (Review). <i>Experimental and Therapeutic Medicine</i> , 2020, 19, 1626-1632.	0.8	28
10	<i>In Vitro</i> Effects of Cetylated Fatty Acids Mixture from Celadrin on Chondrogenesis and Inflammation with Impact on Osteoarthritis. <i>Cartilage</i> , 2020, 11, 88-97.	1.4	7
11	Assessment of Amphiphilic Poly-N-vinylpyrrolidone Nanoparticles™ Biocompatibility with Endothelial Cells <i>In Vitro</i> and Delivery of an Anti-Inflammatory Drug. <i>Molecular Pharmaceutics</i> , 2020, 17, 4212-4225.	2.3	21
12	Proteoglycans in the Pathogenesis of Hormone-Dependent Cancers: Mediators and Effectors. <i>Cancers</i> , 2020, 12, 2401.	1.7	23
13	Obesity—A risk factor for increased COVID-19 prevalence, severity and lethality (Review). <i>Molecular Medicine Reports</i> , 2020, 22, 9-19.	1.1	281
14	Analysis of the intricate effects of polyunsaturated fatty acids and polyphenols on inflammatory pathways in health and disease. <i>Food and Chemical Toxicology</i> , 2020, 143, 111558.	1.8	57
15	Lumican mediates HTB94 chondrosarcoma cell growth via an IGF-IR/Erk1/2 axis. <i>International Journal of Oncology</i> , 2020, 57, 791-803.	1.4	13
16	Application of metabolomics part II: Focus on fatty acids and their metabolites in healthy adults. <i>International Journal of Molecular Medicine</i> , 2019, 43, 233-242.	1.8	22
17	Association of nutraceutical supplements with longer telomere length. <i>International Journal of Molecular Medicine</i> , 2019, 44, 218-226.	1.8	51
18	Developing BIOTEL: A Semi-Automated Spreadsheet for Estimating Telomere Length and Biological Age. <i>Frontiers in Genetics</i> , 2019, 10, 84.	1.1	12

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19	Contact allergen (PPD and DNCB)-induced keratinocyte sensitization is partly mediated through a low molecular weight hyaluronan (LMWHA)/TLR4/NF- κ B signaling axis. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114632.	1.3	14
20	Proteoglycans and Immunobiology of Cancer – Therapeutic Implications. <i>Frontiers in Immunology</i> , 2019, 10, 875.	2.2	36
21	Inflammation and Metabolism in Cancer Cell – Mitochondria Key Player. <i>Frontiers in Oncology</i> , 2019, 9, 348.	1.3	115
22	In vitro blood compatibility and in vitro cytotoxicity of amphiphilic poly-N-vinylpyrrolidone nanoparticles. <i>Food and Chemical Toxicology</i> , 2019, 127, 42-52.	1.8	35
23	The blood – brain barrier and beyond: Nano-based neuropharmacology and the role of extracellular matrix. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 359-379.	1.7	41
24	Role of the extracellular matrix in cancer – associated epithelial to mesenchymal transition phenomenon. <i>Developmental Dynamics</i> , 2018, 247, 368-381.	0.8	67
25	Biglycan Regulates MG63 Osteosarcoma Cell Growth Through a LPR6/ β 2-Catenin/IGFR-IR Signaling Axis. <i>Frontiers in Oncology</i> , 2018, 8, 470.	1.3	27
26	Western-type diet differentially modulates osteoblast, osteoclast, and lipoblast differentiation and activation in a background of APOE deficiency. <i>Laboratory Investigation</i> , 2018, 98, 1516-1526.	1.7	11
27	Proteoglycans – Biomarkers and Targets in Cancer Therapy. <i>Frontiers in Endocrinology</i> , 2018, 9, 69.	1.5	63
28	Chemical-induced contact allergy: from mechanistic understanding to risk prevention. <i>Archives of Toxicology</i> , 2018, 92, 3031-3050.	1.9	21
29	HA metabolism in skin homeostasis and inflammatory disease. <i>Food and Chemical Toxicology</i> , 2017, 101, 128-138.	1.8	60
30	Application of metabolomics: Focus on the quantification of organic acids in healthy adults. <i>International Journal of Molecular Medicine</i> , 2017, 40, 112-120.	1.8	32
31	IGF-I regulates HT1080 fibrosarcoma cell migration through a syndecan-2/Erk/ezrin signaling axis. <i>Experimental Cell Research</i> , 2017, 361, 9-18.	1.2	21
32	Emerging roles of syndecan 2 in epithelial and mesenchymal cancer progression. <i>IUBMB Life</i> , 2017, 69, 824-833.	1.5	46
33	Anticancer and apoptosis-inducing effects of quercetin in vitro and in vivo. <i>Oncology Reports</i> , 2017, 38, 819-828.	1.2	352
34	Mechanistic understanding of nanoparticles – interactions with extracellular matrix: the cell and immune system. <i>Particle and Fibre Toxicology</i> , 2017, 14, 22.	2.8	153
35	Protein bio-corona: critical issue in immune nanotoxicology. <i>Archives of Toxicology</i> , 2017, 91, 1031-1048.	1.9	182
36	Syndecans – key regulators of cell signaling and biological functions. <i>FEBS Journal</i> , 2017, 284, 27-41.	2.2	217

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37	Parathyroid hormone/parathyroid hormone-related peptide regulate osteosarcoma cell functions: Focus on the extracellular matrix (Review). <i>Oncology Reports</i> , 2016, 36, 1787-1792.	1.2	35
38	Variations in the expression of TIMP1, TIMP2 and TIMP3 in cutaneous melanoma with regression and their possible function as prognostic predictors. <i>Oncology Letters</i> , 2016, 11, 3354-3360.	0.8	67
39	Impact of multicellular tumor spheroids as an in vivo-like tumor model on anticancer drug response. <i>International Journal of Oncology</i> , 2016, 48, 2295-2302.	1.4	49
40	Data on the putative role of p53 in breast cancer cell adhesion: Technical information for adhesion assay. <i>Data in Brief</i> , 2016, 9, 568-572.	0.5	1
41	Telomerase activity in pregnancy complications (Review). <i>Molecular Medicine Reports</i> , 2016, 14, 16-21.	1.1	33
42	Short-term culture of monocytes as an in vitro evaluation system for bionanomaterials designated for medical use. <i>Food and Chemical Toxicology</i> , 2016, 96, 302-308.	1.8	6
43	Occupational and environmental exposure to pesticides and cytokine pathways in chronic diseases (Review). <i>International Journal of Molecular Medicine</i> , 2016, 38, 1012-1020.	1.8	133
44	Heparin regulates B6FS cell motility through a FAK/actin cytoskeleton axis. <i>Oncology Reports</i> , 2016, 36, 2471-2480.	1.2	3
45	IGF-I/EGF and E2 signaling crosstalk through IGF-IR conduit point affects breast cancer cell adhesion. <i>Matrix Biology</i> , 2016, 56, 95-113.	1.5	21
46	Receptor for hyaluronic acid-mediated motility (RHAMM) regulates HT1080 fibrosarcoma cell proliferation via a β -catenin/c-myc signaling axis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 814-824.	1.1	29
47	Hyaluronan/Hyaladherins - a Promising Axis for Targeted Drug Delivery in Cancer. <i>Current Drug Delivery</i> , 2016, 13, 500-511.	0.8	27
48	Cancer Microenvironment and Inflammation: Role of Hyaluronan. <i>Frontiers in Immunology</i> , 2015, 6, 169.	2.2	94
49	Insulin-Like Growth Factor and Epidermal Growth Factor Signaling in Breast Cancer Cell Growth: Focus on Endocrine Resistant Disease. <i>Analytical Cellular Pathology</i> , 2015, 2015, 1-10.	0.7	34
50	Hyaluronan regulates chemical allergen-induced IL-18 production in human keratinocytes. <i>Toxicology Letters</i> , 2015, 232, 89-97.	0.4	27
51	Proteoglycans/Glycosaminoglycans: From Basic Research to Clinical Practice. <i>BioMed Research International</i> , 2014, 2014, 1-2.	0.9	6
52	The Motile Breast Cancer Phenotype Roles of Proteoglycans/Glycosaminoglycans. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	31
53	Hyaluronan/RHAMM Interactions in Mesenchymal Tumor Pathogenesis. <i>Advances in Cancer Research</i> , 2014, 123, 319-349.	1.9	28
54	Anthracycline-Dependent Cardiotoxicity and Extracellular Matrix Remodeling. <i>Chest</i> , 2014, 146, 1123-1130.	0.4	35

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55	Collagen VI and Hyaluronan: The Common Role in Breast Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	72
56	Lumican affects tumor cell functions, tumor-ECM interactions, angiogenesis and inflammatory response. <i>Matrix Biology</i> , 2014, 35, 206-214.	1.5	92
57	Cross-talk between estradiol receptor and EGFR/IGF-IR signaling pathways in estrogen-responsive breast cancers: Focus on the role and impact of proteoglycans. <i>Matrix Biology</i> , 2014, 35, 182-193.	1.5	82
58	Heparan sulfate proteoglycans and heparin regulate melanoma cell functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2471-2481.	1.1	32
59	PDGF/PDGFR Signaling and Targeting in Cancer Growth and Progression: Focus on Tumor Microenvironment and Cancer-associated Fibroblasts. <i>Current Pharmaceutical Design</i> , 2014, 20, 2843-2848.	0.9	42
60	Biological importance of reactive oxygen species in relation to difficulties of treating pathologies involving oxidative stress by exogenous antioxidants. <i>Food and Chemical Toxicology</i> , 2013, 61, 240-247.	1.8	30
61	Syndecan-2 is a key regulator of transforming growth factor beta 2/smad2-mediated adhesion in fibrosarcoma cells. <i>IUBMB Life</i> , 2013, 65, 134-143.	1.5	30
62	ROS-major mediators of extracellular matrix remodeling during tumor progression. <i>Food and Chemical Toxicology</i> , 2013, 61, 178-186.	1.8	62
63	Role of oxidative stress in chemical allergens induced skin cells activation. <i>Food and Chemical Toxicology</i> , 2013, 61, 74-81.	1.8	105
64	The Roles of Hyaluronan/RHAMM/CD44 and Their Respective Interactions along the Insidious Pathways of Fibrosarcoma Progression. <i>BioMed Research International</i> , 2013, 2013, 1-12.	0.9	52
65	Could Growth Factor-Mediated Extracellular Matrix Deposition and Degradation Offer the Ground for Directed Pharmacological Targeting in Fibrosarcoma?. <i>Current Medicinal Chemistry</i> , 2013, 20, 2868-2880.	1.2	12
66	The Biology of Small Leucine-rich Proteoglycans in Bone Pathophysiology. <i>Journal of Biological Chemistry</i> , 2012, 287, 33926-33933.	1.6	130
67	Insights into Targeting Colon Cancer Cell Fate at the Level of Proteoglycans / Glycosaminoglycans. <i>Current Medicinal Chemistry</i> , 2012, 19, 4247-4258.	1.2	28
68	Glycosaminoglycans: key players in cancer cell biology and treatment. <i>FEBS Journal</i> , 2012, 279, 1177-1197.	2.2	447
69	Lumican regulates osteosarcoma cell adhesion by modulating TGF β 2 activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 928-935.	1.2	70
70	Low molecular weight heparin inhibits melanoma cell adhesion and migration through a PKCa/JNK signaling pathway inducing actin cytoskeleton changes. <i>Cancer Letters</i> , 2011, 312, 235-244.	3.2	33
71	Parathyroid hormone affects the fibroblast growth factor- β proteoglycan signaling axis to regulate osteosarcoma cell migration. <i>FEBS Journal</i> , 2011, 278, 3782-3792.	2.2	26
72	Heparin plays a key regulatory role via a p53/FAK-dependent signaling in melanoma cell adhesion and migration. <i>IUBMB Life</i> , 2011, 63, 109-119.	1.5	11

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73	Role of Receptor for Hyaluronic Acid-mediated Motility (RHAMM) in Low Molecular Weight Hyaluronan (LMWHA)-mediated Fibrosarcoma Cell Adhesion. <i>Journal of Biological Chemistry</i> , 2011, 286, 38509-38520.	1.6	107
74	Parathyroid hormone (PTH) peptides through the regulation of hyaluronan metabolism affect osteosarcoma cell migration. <i>IUBMB Life</i> , 2010, 62, 377-386.	1.5	15
75	Heparin regulates colon cancer cell growth through p38 mitogen-activated protein kinase signalling. <i>Cell Proliferation</i> , 2010, 43, 9-18.	2.4	18
76	Oxidative stress changes after stent implantation: A randomized comparative study of sirolimus-eluting and bare metal stents. <i>International Journal of Cardiology</i> , 2010, 142, 33-37.	0.8	20
77	Fibroblast growth factor-2 modulates melanoma adhesion and migration through a syndecan-4-dependent mechanism. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1323-1331.	1.2	57
78	bFGF induces changes in hyaluronan synthase and hyaluronidase isoform expression and modulates the migration capacity of fibrosarcoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1258-1265.	1.1	28
79	Lumican, a small leucine-rich proteoglycan. <i>IUBMB Life</i> , 2008, 60, 818-823.	1.5	117
80	Heparin- A unique stimulator of human colon cancer cells' growth. <i>IUBMB Life</i> , 2008, 60, 333-340.	1.5	15
81	Lumican expression is positively correlated with the differentiation and negatively with the growth of human osteosarcoma cells. <i>FEBS Journal</i> , 2008, 275, 350-361.	2.2	75
82	Chondroitin sulfate and heparan sulfate-containing proteoglycans are both partners and targets of basic fibroblast growth factor-mediated proliferation in human metastatic melanoma cell lines. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 72-83.	1.2	53
83	The Role of SLRP-Proteoglycans in Osteosarcoma Pathogenesis. <i>Connective Tissue Research</i> , 2008, 49, 235-238.	1.1	25
84	Decorin-Induced Growth Inhibition Is Overcome through Protracted Expression and Activation of Epidermal Growth Factor Receptors in Osteosarcoma Cells. <i>Molecular Cancer Research</i> , 2008, 6, 785-794.	1.5	43
85	Altered Proximal Aortic Stiffness and Endothelin Plasma Levels in Diabetic Patients With End-Stage Renal Disease. <i>ASAIO Journal</i> , 2007, 53, 343-350.	0.9	8
86	Expression and distribution of N-acetyl and N-glycolylneuraminic acids in secreted and cell-associated glycoconjugates by two human osteosarcoma cell lines. <i>Biomedical Chromatography</i> , 2007, 21, 406-409.	0.8	14
87	Correlation of plasma N-terminal pro-brain natriuretic peptide levels with left ventricle mass in children treated with anthracyclines. <i>International Journal of Cardiology</i> , 2006, 108, 212-215.	0.8	56
88	Transforming Growth Factor- β 2 as a key molecule triggering the expression of versican isoforms v0 and v1, Hyaluronan Synthase-2 and synthesis of Hyaluronan in Malignant Osteosarcoma cells. <i>IUBMB Life</i> , 2006, 58, 47-53.	1.5	54
89	Lumican, a small leucine-rich proteoglycan substituted with keratan sulfate chains is expressed and secreted by human melanoma cells and not normal melanocytes. <i>IUBMB Life</i> , 2006, 58, 606-610.	1.5	37
90	Early Effects of Simvastatin versus Atorvastatin on Oxidative Stress and Proinflammatory Cytokines in Hyperlipidemic Subjects. <i>Angiology</i> , 2006, 57, 211-218.	0.8	37

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91	Impact of asynchronous ventricular activation on pro-inflammatory cytokines and oxidative stress in paced patients. <i>Heart</i> , 2005, 91, 817-818.	1.2	5
92	Monitoring of pesticide residues in fresh peaches produced under conventional and integrated crop management cultivation. <i>Food Additives and Contaminants</i> , 2004, 21, 670-677.	2.0	17
93	Restrictive filling pattern is associated with increased humoral activation and impaired exercise capacity in dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2004, 6, 735-743.	2.9	15
94	IGF-I affects glycosaminoglycan/proteoglycan synthesis in breast cancer cells through tyrosine kinase-dependent and -independent pathways. <i>Biochimie</i> , 2004, 86, 251-259.	1.3	10
95	Relation of cardiac sympathetic innervation to proinflammatory cytokine levels in patients with heart failure secondary to idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , 2003, 91, 1190-1194.	0.7	17
96	Field Study for Degradation of Methyl Parathion in Apples Cultivated with Integrated Crop Management System. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2002, 69, 771-778.	1.3	8
97	Plasma Levels of Nitrites/Nitrates in Patients with Chronic Atrial Fibrillation are Increased after Electrical Restoration of Sinus Rhythm. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2002, 7, 171-176.	0.6	27
98	Inhibition of AP-1 DNA Binding by Nitric Oxide Involving Conserved Cysteine Residues in Jun and Fos. <i>Biochemical and Biophysical Research Communications</i> , 1998, 242, 109-112.	1.0	121
99	S-Nitrosoglutathione Is Cleaved by the Thioredoxin System with Liberation of Glutathione and Redox Regulating Nitric Oxide. <i>Journal of Biological Chemistry</i> , 1996, 271, 19180-19185.	1.6	321