

# Morana Jaganjac

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,415  
citations

218677

26  
h-index

223800

46  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-synuclein oligomers interact with ATP synthase and open the permeability transition pore in Parkinson's disease. <i>Nature Communications</i> , 2018, 9, 2293.	12.8	351
2	Aflatoxin, fumonisin, ochratoxin, zearalenone and deoxynivalenol biomarkers in human biological fluids: A systematic literature review, 2001-2018. <i>Food and Chemical Toxicology</i> , 2019, 129, 211-228.	3.6	119
3	Pathophysiological relevance of aldehydic protein modifications. <i>Journal of Proteomics</i> , 2013, 92, 239-247.	2.4	115
4	Reactive aldehydes - second messengers of free radicals in diabetes mellitus. <i>Free Radical Research</i> , 2013, 47, 39-48.	3.3	96
5	Altered iron metabolism, inflammation, transferrin receptors, and ferritin expression in non-small-cell lung cancer. <i>Medical Oncology</i> , 2010, 27, 268-277.	2.5	92
6	The NRF2, Thioredoxin, and Glutathione System in Tumorigenesis and Anticancer Therapies. <i>Antioxidants</i> , 2020, 9, 1151.	5.1	74
7	The relevance of pathophysiological alterations in redox signaling of 4-hydroxynonenal for pharmacological therapies of major stress-associated diseases. <i>Free Radical Biology and Medicine</i> , 2020, 157, 128-153.	2.9	70
8	Oxidative stress and ferritin expression in the skin of patients with rosacea. <i>Journal of the American Academy of Dermatology</i> , 2009, 60, 270-276.	1.2	68
9	Interleukin-6 induces impairment in human subcutaneous adipogenesis in obesity-associated insulin resistance. <i>Diabetologia</i> , 2016, 59, 2406-2416.	6.3	67
10	Assays for the Measurement of Lipid Peroxidation. <i>Methods in Molecular Biology</i> , 2013, 965, 283-296.	0.9	61
11	Pathophysiology of neutrophil-mediated extracellular redox reactions. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 839-855.	3.0	56
12	Mycotoxin contamination of food and feed in the Gulf Cooperation Council countries and its detection. <i>Toxicon</i> , 2019, 171, 43-50.	1.6	53
13	Oxidative stress in small-for-gestational age (SGA) term newborns and their mothers. <i>Free Radical Research</i> , 2009, 43, 376-384.	3.3	52
14	4-hydroxynonenal causes impairment of human subcutaneous adipogenesis and induction of adipocyte insulin resistance. <i>Free Radical Biology and Medicine</i> , 2017, 104, 129-137.	2.9	51
15	Protein Adsorption on Various Plasma-Treated Polyethylene Terephthalate Substrates. <i>Molecules</i> , 2013, 18, 12441-12463.	3.8	49
16	Oxidative burst of neutrophils against melanoma B16-F10. <i>Cancer Letters</i> , 2007, 246, 100-108.	7.2	48
17	Adaptation to oxidative stress induced by polyunsaturated fatty acids in yeast. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 283-287.	2.4	48
18	Oxidative stress and regeneration. <i>Free Radical Biology and Medicine</i> , 2022, 181, 154-165.	2.9	47

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19	Combined metformin and insulin treatment reverses metabolically impaired omental adipogenesis and accumulation of 4-hydroxynonenal in obese diabetic patients. <i>Redox Biology</i> , 2017, 12, 483-490.	9.0	42
20	<i>Saccharomyces cerevisiae</i> strain expressing a plant fatty acid desaturase produces polyunsaturated fatty acids and is susceptible to oxidative stress induced by lipid peroxidation. <i>Free Radical Biology and Medicine</i> , 2006, 40, 897-906.	2.9	39
21	Even stressed cells are individuals: second messengers of free radicals in pathophysiology of cancer. <i>Croatian Medical Journal</i> , 2012, 53, 304-309.	0.7	39
22	The involvement of granulocytes in spontaneous regression of Walker 256 carcinoma. <i>Cancer Letters</i> , 2008, 260, 180-186.	7.2	35
23	Oxidative burst and anticancer activities of rat neutrophils. <i>BioFactors</i> , 2005, 24, 305-312.	5.4	34
24	Endogenous 4-hydroxy-2-nonenal in microalga <i>Chlorella kessleri</i> acts as a bioactive indicator of pollution with common herbicides and growth regulating factor of hormesis. <i>Aquatic Toxicology</i> , 2011, 105, 552-558.	4.0	31
25	Effect of ferric ions on reactive oxygen species formation, cervical cancer cell lines growth and E6/E7 oncogene expression. <i>Toxicology in Vitro</i> , 2011, 25, 160-166.	2.4	29
26	Lipid peroxidation in brain tumors. <i>Neurochemistry International</i> , 2021, 149, 105118.	3.8	29
27	Mitochondrial ROS control neuronal excitability and cell fate in frontotemporal dementia. <i>Alzheimer's and Dementia</i> , 2022, 18, 318-338.	0.8	27
28	Granulocytes as effective anticancer agent in experimental solid tumor models. <i>Immunobiology</i> , 2010, 215, 1015-1020.	1.9	26
29	Permeation of platinum and rhodium nanoparticles through intact and damaged human skin. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	25
30	Induction of CMV-1 promoter by 4-hydroxy-2-nonenal in human embryonic kidney cells. <i>Acta Biochimica Polonica</i> , 2010, 57, .	0.5	25
31	Elevated neutrophil elastase and acrolein-protein adducts are associated with W256 regression. <i>Clinical and Experimental Immunology</i> , 2012, 170, 178-185.	2.6	22
32	Adsorption of Proteins and Cell Adhesion to Plasma Treated Polymer Substrates. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 685-691.	3.4	22
33	Dietary exposure of the Qatari population to food mycotoxins and reflections on the regulation limits. <i>Toxicology Reports</i> , 2019, 6, 975-982.	3.3	22
34	Lipid peroxidation is involved in calcium dependent upregulation of mitochondrial metabolism in skeletal muscle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129487.	2.4	22
35	Specific thermographic changes during Walker 256 carcinoma development: Differential infrared imaging of tumour, inflammation and haematoma. <i>Cancer Detection and Prevention</i> , 2009, 32, 431-436.	2.1	21
36	Utilizing Iron for Targeted Lipid Peroxidation as Anticancer Option of Integrative Biomedicine: A Short Review of Nanosystems Containing Iron. <i>Antioxidants</i> , 2020, 9, 191.	5.1	21

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37	Biocompatibility of oxygen-plasma-treated polystyrene substrates. EPJ Applied Physics, 2011, 56, 24024.	0.7	20
38	Amaranth oil reduces accumulation of 4-hydroxynonenal-histidine adducts in gastric mucosa and improves heart rate variability in duodenal peptic ulcer patients undergoing <i>Helicobacter pylori</i> eradication. Free Radical Research, 2018, 52, 135-149.	3.3	19
39	S-metolachlor promotes oxidative stress in green microalga <i>Parachlorella kessleri</i> - A potential environmental and health risk for higher organisms. Science of the Total Environment, 2018, 637-638, 41-49.	8.0	19
40	Whole Blood Storage in CPDA1 Blood Bags Alters Erythrocyte Membrane Proteome. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	18
41	Lipid peroxidation product 4-hydroxynonenal as factor of oxidative homeostasis supporting bone regeneration with bioactive glasses.. Acta Biochimica Polonica, 2010, 57, .	0.5	18
42	Effects of bioreactive acrolein from automotive exhaust gases on human cells <i>in vitro</i> . Environmental Toxicology, 2012, 27, 644-652.	4.0	17
43	Positron emission tomography-computed tomography and 4-hydroxynonenal-histidine immunohistochemistry reveal differential onset of lipid peroxidation in primary lung cancer and in pulmonary metastasis of remote malignancies. Redox Biology, 2017, 11, 600-605.	9.0	17
44	Acute immunomodulatory effects of iron polyisomaltoate in rats. Immunobiology, 2009, 214, 121-128.	1.9	16
45	Post-mortem Findings of Inflammatory Cells and the Association of 4-Hydroxynonenal with Systemic Vascular and Oxidative Stress in Lethal COVID-19. Cells, 2022, 11, 444.	4.1	16
46	Oxygen-rich coating promotes binding of proteins and endothelialization of polyethylene terephthalate polymers. Journal of Biomedical Materials Research - Part A, 2014, 102, 2305-2314.	4.0	14
47	Growth suppression of human breast carcinoma stem cells by lipid peroxidation product 4-hydroxy-2-nonenal and hydroxyl radical-modified collagen.. Acta Biochimica Polonica, 2010, 57, .	0.5	14
48	Oxidative Stress and Cancer Heterogeneity Orchestrate NRF2 Roles Relevant for Therapy Response. Molecules, 2022, 27, 1468.	3.8	14
49	Improved proliferation of human osteosarcoma cells on oxygen plasma treated polystyrene. Vacuum, 2013, 98, 116-121.	3.5	13
50	The Role of Acrolein and NADPH Oxidase in the Granulocyte-Mediated Growth-Inhibition of Tumor Cells. Cells, 2019, 8, 292.	4.1	13
51	Growth suppression of human breast carcinoma stem cells by lipid peroxidation product 4-hydroxy-2-nonenal and hydroxyl radical-modified collagen. Acta Biochimica Polonica, 2010, 57, 165-71.	0.5	13
52	Stobadine attenuates impairment of an intestinal barrier model caused by 4-hydroxynonenal. Toxicology in Vitro, 2013, 27, 426-432.	2.4	12
53	Analysis of RBC-microparticles in stored whole blood bags " a promising marker to detect blood doping in sports?. Drug Testing and Analysis, 2017, 9, 1794-1798.	2.6	12
54	Reversal of multidrug resistance in murine lymphoma cells by amphiphilic dihydropyridine antioxidant derivative. Anticancer Research, 2010, 30, 4063-9.	1.1	12

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55	Interval hypoxic training in complex treatment of Helicobacter pylori-associated peptic ulcer disease.. Acta Biochimica Polonica, 2010, 57, .	0.5	11
56	Induction of CMV-1 promoter by 4-hydroxy-2-nonenal in human embryonic kidney cells. Acta Biochimica Polonica, 2010, 57, 179-83.	0.5	11
57	Persistent accumulation of 4-hydroxynonenal-protein adducts in gastric mucosa after Helicobacter pylori eradication. Collegium Antropologicum, 2009, 33, 815-21.	0.2	10
58	The Onset of Systemic Oxidative Stress Associated with the Accumulation of Lipid Peroxidation Product Acrolein in the Skin of Patients with Small-Vessel Vasculitis. Molecules, 2021, 26, 2344.	3.8	9
59	Short Overview of Some Assays for the Measurement of Antioxidant Activity of Natural Products and Their Relevance in Dermatology. Molecules, 2021, 26, 5301.	3.8	9
60	Proteomic Analysis of Cardiac Adaptation to Exercise by High Resolution Mass Spectrometry. Frontiers in Molecular Biosciences, 2021, 8, 723858.	3.5	9
61	Sensitivity of Osteosarcoma Cells to Concentration-Dependent Bioactivities of Lipid Peroxidation Product 4-Hydroxynonenal Depend on Their Level of Differentiation. Cells, 2021, 10, 269.	4.1	8
62	Lipid peroxidation product 4-hydroxynonenal as factor of oxidative homeostasis supporting bone regeneration with bioactive glasses. Acta Biochimica Polonica, 2010, 57, 173-8.	0.5	7
63	Evaluation of Apoptotic, Antiproliferative, and Antimigratory Activity of Origanum syriacum against Metastatic Colon Cancer Cells. Journal of Herbs, Spices and Medicinal Plants, 2019, 25, 202-217.	1.1	5
64	Short overview on the relevance of microRNAâ€™reactive oxygen species (ROS) interactions and lipid peroxidation for modulation of oxidative stress-mediated signalling pathways in cancer treatment. Journal of Pharmacy and Pharmacology, 2022, 74, 503-515.	2.4	5
65	Progressive pigmented purpuric dermatitis and alopecia areata as unusual skin manifestations in recognizing hereditary hemochromatosis. Acta Dermatovenerologica Croatica, 2012, 20, 181-6.	0.1	5
66	Analysis of Multiple Mycotoxins in the Qatari Population and Their Relation to Markers of Oxidative Stress. Toxins, 2021, 13, 267.	3.4	4
67	Spontaneous Regression of Cancer: Revealing Granulocytes and Oxidative Stress as the Crucial Double-edge Sword. Frontiers in Bioscience, 2022, 27, 119.	2.1	4
68	Determination of multiple mycotoxins in Qatari population serum samples by LC-MS/MS. World Mycotoxin Journal, 2020, 13, 57-65.	1.4	3
69	Cistanche tubulosa induces reactive oxygen species-mediated apoptosis of primary and metastatic human colon cancer cells. Journal of Applied Pharmaceutical Science, 0, , .	1.0	3
70	Possible involvement of granulocyte oxidative burst in Nrf2 signaling in cancer. Indian Journal of Medical Research, 2010, 131, 609-16.	1.0	3
71	Growth modulation of human cells in vitro by mild oxidative stress and 1,4-dihydropyridine derivative antioxidants. Collegium Antropologicum, 2011, 35, 137-41.	0.2	3
72	4-Hydroxynonenal as a biomarker of redox regulation in pathophysiology of metabolic stress. Free Radical Biology and Medicine, 2017, 108, S12.	2.9	0

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73	Comparison Of Different Assays To Measure Antioxidant Capacity In Qatari Grown Food. , 2013, , .		0
74	Development Of A Novel Method For The Selective Detection Of Erythrocyte Membrane Bound Proteins. , 2013, , .		0
75	The sidra tree: Profiling of proteins and small molecules using high resolution accurate mass protocols. , 2013, , .		0
76	Qatar Cultivated Vegetables Enhance Resistance To Protein Modifications Induced By Altered Redox Homeostasis. , 2014, , .		0
77	Influence Of Qatar Agricultural Products On Human Cell Redox Homeostasis. , 2014, , .		0
78	Exercise Induced Changes In Erythrocyte Membrane Proteome. , 2014, , .		0
79	Insulin Resistance-associated Impairment Of Preadipocyte Differentiation In Human Abdominal Obesity. , 2014, , .		0
80	The Role of 4-hydroxynonenal in Human Preadipocyte Proliferation and Differentiation. , 2016, , .		0